

Aptargroup 

2017 Corporate
Sustainability Report



PEOPLE. PLANET. PRODUCT.

Passionate, empowered people.
Deep commitment to protect our planet.
Innovative, growth-enabling products.

VISION 2030

Delivering solutions, shaping the future. We deliver innovative packaging solutions satisfying the need for safety, convenience and security.



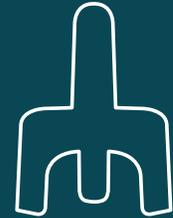
PEOPLE

Diversity of our people is our strength



PLANET

We strive for solutions respecting the environment and **conserving** natural resources



PRODUCT

We access the expertise of the world to **innovate**

ABOUT THIS REPORT

We are pleased to share the latest chapter in our ongoing journey to sustainability, with AptarGroup's 2017 Corporate Sustainability Report.

This report highlights our numerous sustainability-focused activities implemented across Aptar global operations from January 1 through December 31, 2017. As in previous reports, this year's offering summarizes milestones measured and achieved in our three key areas of People, Planet and Product. Our scope encompasses initiatives undertaken by Aptar and its subsidiaries, and all metrics refer to our manufacturing sites exclusively during the calendar year, unless otherwise indicated. We believe this document accurately captures the significant progress we made during 2017, while also previewing the next steps on our sustainability path through 2018 and beyond.

The Aptar 2017 Corporate Sustainability Report is prepared in accordance with the Global Reporting Initiative (GRI) Standards: Core options, that were published in 2016. We obtained limited external assurance from ERM Certification and Verification Services Inc. (ERM CVS) based on the International Standard on Assurance Engagement (ISAE) 3000 for:

- 2017 Absolute data for electricity, fuel oil and natural gas
- Scope 1 and Scope 2 greenhouse gas emissions from these sources, including location-based and market-based factors

Please refer to the [Aptar 2017 GRI Index](#) for a complete list of disclosures. The assurance statements are linked in the appropriate indicators within the index.

2017 HIGHLIGHTS

With manufacturing operations in **18 countries** and approximately **13,200 employees¹** worldwide, we saw many accomplishments in 2017.

-16%

reduction in Lost Time Frequency Rate (LTFR)

B

letter grade achieved on three CDP assessment topics

37%

of total electricity consumption is from a renewable source

46%

of sites have achieved Landfill Free Certification

-2%

reduction in absolute total energy

-7%

reduction in absolute Scope 1 + 2 emissions

79%

of sites have a 'self-certified' sustainability team

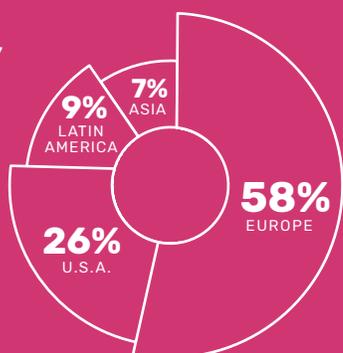
-8%

reduction in normalized total energy

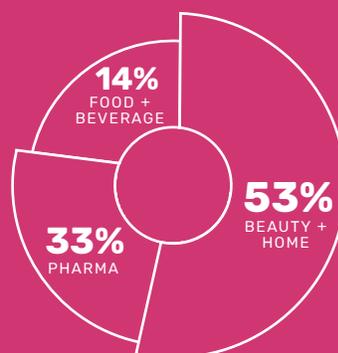
-10%

reduction in normalized Scope 1 + 2 emissions

SALES BY REGION



SALES BY SEGMENT



CORE SALES (in millions)²

FY2017	\$2,469
FY2016	\$2,331

+6%

REPORTED EPS (earnings per share)²

\$3.41	FY2017
\$3.17	FY2016

+8%

¹ In the 10-K released February 27, 2017, we reported 12,700 Full-Time Equivalents as of December 31, 2017. An alternate system was used for aggregating headcount and other human resources data contained herein. This alternate system returned a headcount of approximately 13,200 employees as of December 31, 2017.

² A reconciliation of these numbers to GAAP financial measures is available on the Aptar's website at www.aptar.com in the Investors' section [here](#).

CEO LETTER

As I reflect on my first year at Aptar, there is no doubt it was a rewarding, yet challenging time, and I'm incredibly proud of all our team achieved. At Aptar, we are driven by the conviction that great organizations thrive on a common purpose and vision; a culture of curiosity and empowerment that thinks big and pushes the envelope; and the belief that anyone, anywhere can deliver game-changing ideas that spark innovation and achievement.



Those principles are at the heart of our sustainability strategy, which follows the GRI Standards: Core Options. I should note it's our fourth year using the GRI framework.

Armed with a proven strategy, we achieved many successes this year in sustainability, which include:



SAFETY:

In 2017, we identified baseline rates and reduced our Lost Time Frequency Rate (LTFR) by 16 percent



CARBON EMISSIONS/ RENEWABLE ENERGY:

We achieved a 7 percent reduction in absolute emissions, a 10 percent reduction in normalized emissions and increased our renewable energy electricity totals by 5 percent to 37 percent overall

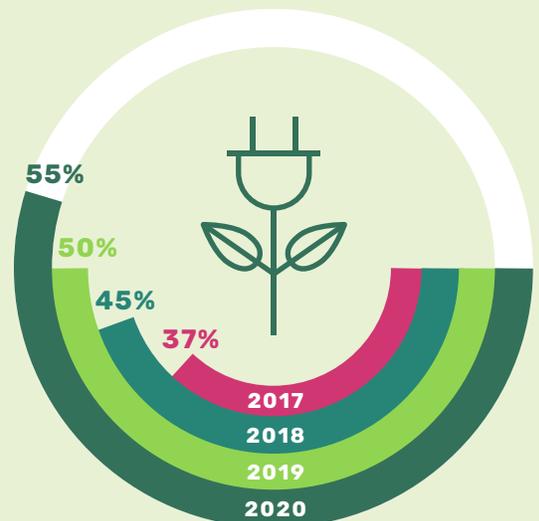


WASTE:

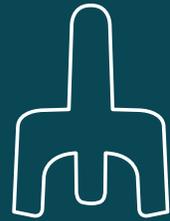
46 percent of Aptar's sites are certified as Landfill Free by our internal program and 79 percent of our sites now have a 'self-certified' sustainability team

These accomplishments, along with many others, will be highlighted later in the report.

In 2017, the renewable purchases were the equivalent of 37 percent of our total energy consumption. We have set a target to achieve **55 percent by 2020** according to the timeline below.



THINK LOCALLY, LEVERAGE GLOBALLY. We have established teams that can think and win locally while leveraging Aptar's global innovation, scale and scope.



PEOPLE

Safety is a top priority at Aptar and we have set the goal for all sites to have zero injuries. With that in mind, we launched the Global EHS Management System this year – an initiative aimed at enacting more stringent safety standards and protocols. Representatives from multiple functions and all regions collaborated to create the initial requirements for the launch of the EHS Management System. I'm also pleased to share that many of our sites achieved safety milestones, for which they were recognized. Additionally, Aptar continued to dedicate efforts to the communities in which we live and work. Aptar Radolfzell, for example, partnered with schools in its region to host students for a site visit where they had the opportunity to learn about Aptar and the types of careers available in the industry. Other Aptar sites across the globe gave back to their communities by holding blood drives and gathering donations of school supplies and computers for those who needed it most.

PLANET

In 2017, we continued one of our most visible sustainability initiatives – our Landfill Free Certification Program, which we expanded to 46 percent of our sites. The program was recognized by a top Pharma organization for improving our facilities' impact on the planet. We again responded to the CDP, formerly the Climate Disclosure Project. This reporting year, we improved our assessment scores across all categories: Climate, Supply Chain and Water. Further, Renewable Energy continues to be a primary focus of our planet-driven projects. Since last year's sustainability report, seven additional Aptar sites began sourcing renewable electricity, bringing our total to 21 sites. Throughout 2018, we will continue to assess other sites and anticipate the portfolio will develop and grow.

PRODUCTS

Throughout the past year, we reignited our founders' mentality to foster the ingenuity that helped us grow and make notable strides in our sustainability initiatives. Specifically, we continued working closely with our customers to innovate packaging technologies and production processes to reduce environmental impact and achieve greater sustainability. Recognized by leading designers and packaging technologists, these acclaimed solutions include post-consumer recycled resin options, which we introduced in 2017.

LOOKING FORWARD

Although 2017 was a successful year for Aptar, there is still room to deepen our efforts. In 2018 and the years ahead, we will continue to leverage our entrepreneurial mindset and ignite innovation to exceed our sustainability targets. We will also continue to focus on increasing our philanthropy efforts, sourcing renewable energy and prioritizing employee health and safety management. We will raise the bar on inclusion and diversity, talent development and leadership, with a focus on teams that can think and win locally while leveraging Aptar's global innovation, scale and scope. We believe that a diversity of perspectives and experiences will spur new ways of thinking about reducing environmental impact and continue to drive our vision for greater sustainability. I am proud of the progress and success we've achieved from our sustainability efforts thus far, and am optimistic that we will achieve new milestones in 2018.

Sincerely,

STEPHAN B. TANDA
PRESIDENT + CHIEF EXECUTIVE OFFICER

EHS&S LEADERS LETTER

2017 was a year of radical change for Aptar. As one example of many, the company established an Operational Excellence organization with five pillars: Manufacturing, Engineering/Industrialization, Supply Chain Management, Quality, and Environment, Health and Safety & Sustainability (EHS&S). With this, a global network of Regional Leaders and site-level representatives was created within the EHS&S Pillar. Together we executed many initiatives.

As you will find throughout this report, we renewed our focus on safety, but maintained progress with environmental and social initiatives as well. We asked the Regional EHS&S Leaders to tell us about the 2017 accomplishment(s) of which they are most proud and invite you to enjoy their testimonies below.



KARI B.
NORTH AMERICA

In previous years, I worked with a small group of leaders in North America to synchronize policies in the region, and I am pleased that similar activity is now underway at a global level. I am proud of the renewed emphasis we put on our safety program, and the progress we made toward harmonizing EHS policies and procedures worldwide. In late 2017, we began scoping requirements for an EHS&S software suite and started implementation in early 2018. It provides Aptar with real-time performance visibility, and will improve efficiencies of day-to-day activities at our sites.



NANDO C.
EMEA

Our team continues to display curiosity and passion toward sustainable material investigations. We held a formal strategy meeting in early 2017 during which we determined we must deepen our commitment to research and development. Rather than perform trials on a one-off basis, the group recommended Aptar integrate sustainable material exploration into our global innovation strategy. At the end of 2017 an Innovation Excellence organization was established, and sustainable materials will be a key focus of this group. Many customers have shown strong interest in our sustainable materials initiatives, which will continue to be a focus in the year ahead.



EDGAR B.
LATIN AMERICA

We reduced our safety rates for the third year in a row in Latin America (LATAM). We also achieved many sustainability milestones, such as identifying sources from which to purchase renewable electricity, and achieving additional Landfill Free Certification. We are demonstrating our ongoing commitment to the well-being of our employees, the environment and future generations. I'm also incredibly proud of the enthusiastic engagement the LATAM teams display for all of our EHS&S initiatives. I'm confident we will continue to excel in these areas in 2018 and beyond.



VINCENT W.
NORTHEAST ASIA

In 2017, we launched a hazard identification program which includes a Job Safety Analysis tool. We also integrated hazard identification into routine operational strategies, such as hazards communications, our risk reduction plan and daily EHS inspections, among others. I'm particularly proud of the EHS committee we created in Suzhou, China, which consists of our steering committee, top management, work committee and our functional managers. We implemented our strategic plan, which contributed to achieving a record four-million working hours without any lost time incidents.



MOOLAM V.
SOUTHEAST ASIA

I am a new member of the Aptar family and from the very start, I was impressed by the emphasis put on safety and how it is addressed at every level – globally, regionally and locally. In Southeast Asia we begin our daily floor meetings with a discussion about safety, demonstrating that safety and employee well-being is the top concern.



GARY S.
NORTH AMERICA

In North America, we made progress toward achieving more ISO 50001 certifications for our site-level energy management systems. I am impressed by the systematic and analytic approach taken by our facility in Mukwonago, WI, which enables significant progress toward our sustainability targets.



BENJAMIN O.
EMEA

In Europe, our Pharma sites are working to reduce Aptar's carbon footprint. Every day we concentrate on implementing good working practices that will improve our sites' performance. In 2018 and beyond, we will work to solve new challenges, such as digitizing energy data, reducing energy consumption, reducing and implementing thermal analysis of buildings. We are also focused on reducing our safety rates through proactive programs.

As you read in the "About this Report" section, our energy data is verified annually by a third party in preparation for this CSR and for our CDP (formerly Carbon Disclosure Project) responses. At the conclusion of the assurance process, we heed suggestions for areas of improvement and work to implement corrective actions throughout the following year. I am extremely proud of the enhancements we have made, over the past several years, to the sustainability metrics portal; and how our site EHS&S representatives embrace these changes with understanding and passion to excel.

Several of our sites hosted in-person or virtual data verification audits, and many more people served on the team that brought enhancements to life within the sustainability portal. I thank everyone who helps us to maintain our data integrity. It's one thing to achieve results, but another to be able to systematically prove it.

In 2018, we are in the throes of implementing the next phase of the EHS Management System along with a third-party EHS&S software solution to help us manage the day-to-day. There is still much to accomplish, but we are well on the way. As I said, 2017 was a year of change. I am most proud of the people who step up on a daily basis to embody the Aptar spirit and "be the change."

BETH T. HOLLAND
DIRECTOR, OPERATIONAL EXCELLENCE – GLOBAL ENVIRONMENT, HEALTH + SAFETY & SUSTAINABILITY

PEOPLE



OUR FOCUS ON SAFETY: 2017 MILESTONES

We committed to improving Aptar's safety strategies throughout 2017. As part of this effort, we established a global network of EHS&S leaders who began implementing Phase I of the Aptar EHS Management System.

Sites in France Share Program Implementation

Aptar's Global EHS Management System (EHS MS) is a series of EHS requirements based on global industry best practices. Implementation progressed well through the year, and final requirement documents were published in December for the first of three phases. All three phases of the EHS Management System are presently scheduled to be in place by the end of 2019.

During 2017, leaders from Aptar Charleval (France) took a proactive, collaborative approach to implementing the EHS Management System. The site organized a workgroup with representatives from other French-speaking Aptar sites in all three segments. The workgroup representatives each took ownership for implementing two or more standards. Weekly calls enabled the teams to discuss their experiences and identify areas for further improvement. The initiative supported the overall goals of improving Aptar's work environment and making it safer for our colleagues.

Aptar sites in India used what they learned during the implementation process to develop activities and celebrations for Safety Week 2018. We look forward to sharing more about this event in the next Report.

Aptar's EHStar Software Suite

Recognizing that systems and procedures drive action, we simplified the processes our employees use to report work-related incidents, collect metrics and manage daily EHS activities by introducing a new EHS software suite to help us manage the day-to-day.



Following a global request to Aptar employees to help name the software suite, we settled on "EHStar". Jenny Cao, of Aptar Suzhou (China), submitted the winning entry. This suggestion comes from the idea that, like a star, this system will help guide Aptar's EHS&S programs.

In late March 2018, a group of 22 sites across the U.S.A. and Europe began piloting EHStar's incident management module. The pilot was successful, and additional Aptar sites will roll into the module throughout 2018. We are planning additional modules that align with other requirements of our EHS Management System, including compliance audit management, compliance calendar, job safety analysis and behavior-based safety (BBS). With each successful pilot of an EHStar module, we will roll-in more Aptar facilities until all sites are using all modules.

Aptar Mukwonago's Storytelling Contest

Aptar North American sites subscribe to a safety awareness and personal safety skills development program called SafeStart. SafeStarts focuses on the human factors often directly related to accidents and injuries, including rushing, frustration, fatigue and complacency.

In 2017, Aptar Mukwonago, WI (U.S.A.) hosted a contest to encourage employees to share their personal safety stories. Each month, Mukwonago employees were invited to share their SafeStart stories for the chance of winning a prize. Contest participants shared about on-the-job incidents and incidents that occurred at home. These stories provided the opportunity to help employees learn from others' experiences and further develop their personal safety skills, encouraging a safer workplace for all. Within Phase II of the EHS Management System implementation, Aptar is developing a global BBS program.



PEOPLE



SAFETY ACCOMPLISHMENTS

With our EHS Management System we are able to measure performance more efficiently, which means we are also better able to identify outstanding performers.

Proactive Safety Management Programs

Currently in absence of a formal safety performance recognition program, we would like to call attention to a few Aptar sites that excelled in 2017. In addition to ending 2017 with Lost Time Frequency Rate below industry average (1.10), 20 sites proactively addressed dozens of observations through near miss and behavioral based safety (BBS) programs.

The following sites have implemented BBS programs in advance of the forthcoming global requirements, and achieved outstanding 2017 safety rates as a result:

- **Berazategui** (Argentina)
- **Cajamar, Maringa** (Brazil)
- **Cali** (Columbia)
- **Cary North, Cary South and McHenry** (Illinois U.S.A.)
- **Charleval, Verneuil and Val De Reuil** (France)
- **Chieti** (Italy)
- **Chonburi** (Thailand)
- **Cikarang Bekas** (Indonesia)
- **Eatontown** (New Jersey U.S.A.)
- **Eigeltingen** (Germany)
- **Leeds** (U.K.)
- **Lincolnton** (North Carolina U.S.A.)
- **Mezzovico** (Switzerland)
- **Suzhou** (China)
- **Vladimir** (Russia)



Celebrating Safety Milestones

Several Aptar facilities reached significant safety milestones in 2017, including:

- **Aptar Cali (Columbia):** Year-end 2017 marked no lost time incidents since the commencement of operations in 2015.
- **Aptar Charleval (France):** In (March), achieved two years without a recordable incident.
- **Aptar Chieti (Italy):** Celebrated 500 days without a lost time incident in (December)
- **Aptar Mezzovico (Switzerland):** At year-end 2017, celebrated over three years without a lost time incident.
- **Aptar Suzhou (China):** Achieved over four-million hours worked without a lost time incident.

Congratulations to every Aptar employee and work team that helped maintain a safe and healthy workplace in 2017.

Designing for Safety with Virtual Reality

During 2017, Aptar Le Vaudreuil (France) began using virtual reality (VR) to identify employee safety risk. Process designers are employing VR equipment and software to engage in tasks including constructing a piece of machinery, installing a press or reorganizing a workspace. The tool allows its users to “virtually” operate a machine or move throughout a space prior to completion. This makes it possible for designers to recognize potential risks including narrow or otherwise uncomfortable spaces, possible exposure to electric shock and other hazards. Color-coded software tracks the user’s muscular stress levels. The use of VR enables Aptar Le Vaudreuil to identify risk early-on, modify and optimize equipment, procedures or environments to further enhance employee safety and ergonomics.



EMPLOYEE HEALTH AND WELL-BEING

Aptar offers employees voluntary programs like biometric screening, Influenza vaccinations, and other resources to maintain a healthy lifestyle. In some regions employees are using digital apps that encourage our people to identify and achieve personal health targets.

Aptar Maringa Uses Sign Language to Communicate with Disabled Employees

A number of staff members at Aptar Maringa in Brazil are hearing-impaired. To more effectively communicate with these employees, all members of Aptar Maringa’s HR and leadership teams now use LIBRAS, the sign language of Brazil. A signing interpreter also participates in meetings and specific events to ensure that important information is shared and understood by all in attendance.

Sites in Italy Promote World Day of Health and Safety

In celebration of the April 28th World Day of Health and Safety, the LHS (Leaders in Health and Safety) Foundation organized “Italia Loves Sicurezza,” a roadshow held simultaneously throughout Italy. The objective was to talk about safety in a new way and to raise awareness of the factors that threaten health and safety in the workplace, at home, on the street and in schools.

Aptar Chieti hosted the event “Acting on Behaviors to Achieve Results”. The principal theme: Everyone has the potential to become a safety leader. The Chieti team presented Aptar’s Core Values and Rules for Leadership and shared personal experiences and initiatives designed to improve workplace safety. People representing more than 40 regional companies attended and actively participated. It also provided the opportunity to boost awareness of the Behavior-Based Safety culture that is present in Italy.

SUPPORTING OUR COMMUNITIES

All Aptar sites support their communities in a variety of ways. What follows are a few examples of many.



MUKWONAGO, WISCONSIN

Aptar Mukwonago, Wisconsin team members donated their unused travel-size toiletry items accumulated during hotel stays. The facility’s Community Service Committee collected the toiletries at designated work sites and donated them to local Waukesha County welfare agencies serving those in need.



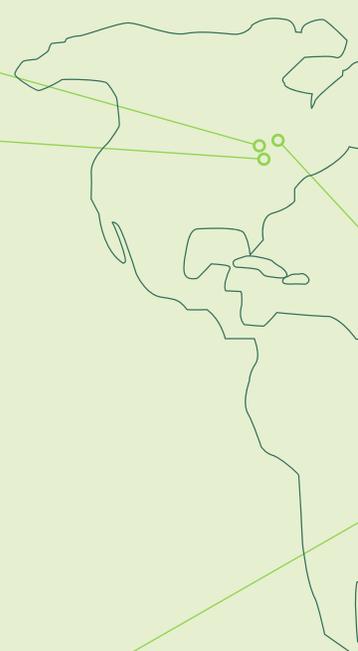
LIBERTYVILLE, ILLINOIS

Aptar Libertyville team members generously supported their local United Way and school district through a successful drive to collect and donate needed school supplies. A representative from United Way of Lake County acknowledged the Aptar team as “the most powerful, fun and rewarding donation group I have had.” Team members also had the opportunity to meet and interact with the children who received the school supplies.



CAJAMAR, BRAZIL

Aptar Cajamar employees generously supported the Association of Parents and Friends of Exceptional Children (APAE) with a holiday donation campaign. APAE received clothes, shoes and toys from the Cajamar team.





PEOPLE

LE VAUDREUIL, FRANCE

Aptar Le Vaudreuil conducted a drive to collect toiletries for the homeless. The drive benefited SAMU Social, a humanitarian service organization dedicated to providing care to those in need.



DORTMUND, GERMANY

Aptar Dortmund donated newly refurbished computers to the Gymnasium Hammonense in Hamm. The computers will be used to expand its classroom media centers.



RADOLFZELL, GERMANY

Aptar Radolfzell has offered commercial and industrial apprenticeships to young people for several years, although the program was not well known. The Radolfzell team sought to change that. In March 2017, the facility hosted an Aptar Day for students of the Comprehensive School Eigeltingen. Visitors were given a tour of the production site and received information about the Aptar apprenticeship program. More Aptar Days are now planned for other schools.



SUZHOU, CHINA & HYDERABAD, INDIA

Aptar sites in China and India identified various tasks requiring manual assembly and reserves this work for persons with physical handicaps which might otherwise prevent them from finding employment.



MIDLAND, MICHIGAN

Aptar Midland received the *Companies That Care* award at the United Way's eighth annual Spirit of the Community Awards. The award recognizes the impact of individual and corporate advocacy and volunteer initiatives in addition to financial contributions. Members of the Community Connections team accepted the award on behalf of Aptar Midland. 2017 marked the third year in a row that the facility earned this distinction.





PEOPLE



AWARDS AND RECOGNITION

Recognition from Insurance Provider

In March 2017, Aptar Philson in Watertown, Connecticut (U.S.A.) earned celebrated zero recordable incidents in 2016. The team received a plaque from Chubb Insurance, the workers' compensation carrier. At the time of the award ceremony, Aptar Philson had achieved more than 600 days without a recordable injury.

Chubb Insurance similarly recognized the Aptar Cary North manufacturing team in 2017 for zero total recordable incidents in 2016.

Award Winning Aptar Corporate University

The LEAD Awards celebrate organizations that have the best use of or the best internally created leadership development programs, as well as Colleges/Universities who provide great leadership/HR development programs at all levels.

Out of 150 applicants, Aptar's Corporate University was recognized as one of the top 10 "Best Corporate University" programs, and out of 200 applicants the CASA Leadership Program, which we have highlighted in detail in past sustainability reports, was recognized as the 13th "Best Global International Program".

Enterprise for Safety Program Awards

The *General Confederation of Italian Industry* and *National Institute for Insurance against Accidents at Work* (INAIL) presented awards for the 5th edition of the Enterprise for Safety Program. The aim is to spread a culture of continuous improvement in health and safety programs. The evaluation is based on an innovative model for Total Safety Management and involves an on-site audit of policies, strategies, personnel, resources, processes and performance results. The goal of the event is to highlight the best management results achieved. Our sites in Chieti and Pescara, Italy received recognition in 2017 for their outstanding health and safety performances and their work to digitalize their programs.



EMPLOYEE ENGAGEMENT

We believe our employees have invaluable insight to offer. In 2017, we encouraged employees to engage, reflect, identify and communicate actions to help transform our great company.

Leadership for Growth Employee Survey

In October 2017, we launched a Leadership for Growth Survey (LGS) to discover how Aptar employees worldwide view and evaluate our performance and organizational effectiveness. From this, we identified several key areas for improvement, including the need for:

- More inspiring, supportive and decisive leadership
- A better understanding of our corporate vision and strategy
- True accountability and clear responsibilities
- Fostering innovation and turning ideas into results

78 percent of our employees participated in the survey and provided over 16,000 suggestions. Results were shared across the organization and appropriate follow-up actions have been organized. In the spirit of continuous improvement and for comparison purposes, we will distribute the Leadership for Growth Survey again in late 2018 to identify further need for improvement.



PLANET

PLANET



CLIMATE CHANGE COMMITMENT

Our passionate people create innovative technologies and we do this with a profound respect for the environment. In addition to the many successes of our people, we continue to excel in our planet-focused initiatives. We've made significant progress on our sustainability journey and we will continue to advance our initiatives to do our part in fighting climate change.

Aptar Improves CDP Scores

Aptar achieved a significant boost in its CDP scores in 2017. The U.K.-based CDP, formerly the Carbon Disclosure Project, provides a mechanism for corporations to disclose the environmental impacts of their products, throughout the value chain. We annually complete a CDP request to report our energy and greenhouse gas management and water strategies and performance.

Our responses were scored, and performance compared across our industry and against global standards. CDP scores are expressed as a letter grade on a scale from 'A' being the highest and 'F' the lowest. For Reporting Year (RY) 2016, which are reported to CDP in the summer following, we attained a Climate Change management-level score of 'B.' We also improved on CDP's Supply Chain and Water questionnaires, achieving a 'B' in both.

Our scores not only represent an improvement over our RY 2015 CDP scores – they are better than the industry average.

As mentioned in our 2016 Corporate Sustainability Report, initiatives like Energy Management Systems, lighting and system upgrades, and renewable electricity purchases contributed to our improved scores.

Within the CDP Supply Chain questionnaire, we reported reductions in emissions from some of our products. These were calculated using a life cycle assessment (LCA) tool. Many Aptar customers expect a focus on sustainable materials, and we are responding by conducting trials with various resins and offering post-consumer recycled resin solutions. We are also addressing product-related emissions through energy reductions in our operations and renewable energy purchases.

In addition to improving performance, we are refining our metrics reporting processes. In 2017, we launched a system enhancement that helps us collect more detailed information on our energy and waste metrics for greater accuracy. We piloted a Microsoft Power BI dashboard that provides detailed views of site-level energy performance, for more efficient energy management.

With our outstanding achievements from 2017, we are looking forward to responding again this year and are eager to receive our reporting year 2017 results in late 2018.

Zeroing in on Scope 3 Emissions

In 2017, we focused our internal expertise on research of eco-design principles and the use of sustainable materials. Our research identified a pathway to sustainability using life cycle thinking (LCT) and industrial ecology (IE) methodologies.

We were able to identify improvements in Aptar's environmental performance thanks to actions we took in waste management, energy efficiency and intelligent resource use of sustainable materials including post-consumer resin, post-industrial resin and bioplastics.

The results of this focused research confirmed that the use of eco-design principles and recycling/recovery activities will have a positive impact on Aptar's overall sustainability strategy going forward.

For 2018, we were directing efforts toward further enhancing our measurement capabilities to improve Aptar's Scope 3 calculations concerning direct and indirect (supply chain) emissions sources. We are engaged with our partners across the entire value chain to assess opportunities for greater efficiencies, increased competitiveness and access to new markets, as well as to strengthen our capacity to respond to risks that include dwindling resources and climate change.

EARTH WEEK CELEBRATIONS

Each year, Aptar employees around the world celebrate Earth Week. In 2017, we celebrated during the week of April 23-29, 2017. The majority of Aptar locations and offices hosted events to promote environmental awareness and boost sustainability initiatives. Many of the events included the participation of local community members as well as family members of Aptar employees. Earth Week highlights at various Aptar sites included:



APTAR CONGERS (U.S.A.) held a reusable grocery bag giveaway with a drive they named “Revenge of the Plastic Bags.” The site also sponsored organic gardening and compost tutorials and an organic food giveaway.



APTAR MADRID (SPAIN) hosted a nature photography competition. The winning photos were used to launch a sustainability-focused photo gallery and plans call for expanding it each year.



APTAR MARINGA AND APTAR CAJAMAR (BRAZIL) celebrated with an exhibition of handmade furniture created from wooden pallets. At the end of the week, the furniture was raffled off to employees. Numerous other Aptar sites hosted similar events repurposing waste into furniture or art.



APTAR CHONBURI (THAILAND) joined forces with a local nature center to restore mangrove habitats. Mangroves play an essential role in the ecosystem, harboring newborn fish and preventing erosion.

ACTIVITIES INCLUDED community clean-ups, test-drives of electric bicycles and cars, LED light bulb giveaways, carpooling initiatives and electronics recycling drives.



13

countries participated: Argentina, Brazil, China, France, Germany, Ireland, Italy, Mexico, Russia, Spain, Switzerland, Thailand, United States

6,700+

Aptar "Acts of Green" achieved globally during Earth Week

96%

of Aptar locations hosted at least one Earth Week activity

165+

family members participated with their facility

60

suppliers, customers and community leaders participated with Aptar



LANDFILL FREE CERTIFICATION

Launched in 2015, Aptar's internal Landfill Free Certification Program is based on the Zero Waste International Alliance protocol and requires sites to prove, through a third-party audit, reuse or recycle of at least 90 percent of operational wastes.

Aptar Cali's Scrap Recycling Partnership

Aptar Cali (Columbia) found a way to steer its industrial scrap away from the landfill by partnering with an innovative organization that recycles industrial waste.

The Cali team first discovered Biologistica at a logistics trade fair in Bogota in 2016, where the company was promoting the reuse of industrial scrap from a trade booth composed of recycled materials. At the time, Aptar Cali was legally prevented from releasing its scrap to third parties outside the Free Zone, a costly situation both environmentally and financially. The team quickly realized collaboration is essential between Aptar, our suppliers and throughout the entire value chain in order to achieve significant and sustainable progress.

Months later, following several meetings with Free Zone authorities and Aptar legal advisors, the Cali team formulated a plan to manage its industrial scrap as "waste materials without commercial value." This cleared the way for the team to ship its scrap outside the Free Zone.

Aptar Cali next reached out to Biologistica and invited its representatives to visit the facility. In turn, Team Cali and its sustainability advisors visited Biologistica's plant and came away impressed with the organization's innovative processes and high standards.

In 2017, Aptar Cali signed a formal agreement to have Biologistica manage its waste and recyclable materials. As part of the agreement, Biologistica assumes the costs of transporting and re-engineering Cali's scrap materials. By the end of the year, Biologistica had removed and recycled several tons of Aptar Cali's industrial waste.

As a result of Aptar Cali's success in directing its scrap away from the landfill, the team applied for and received Aptar's Landfill Free Certification. Team Cali is now introducing other sustainably innovative initiatives.

Company Cell Phones Reused and Recycled with Aptar IS Mobility BuyBack Program

The Aptar IS Aptar Mobility BuyBack Program reuses and recycles old company cell phones to save costs and reduce technology's negative environmental impacts.

During 2017, Aptar IS submitted 319 Blackberry mobile phones to BuyBack, which resulted in a monetary refund to Aptar. As a result, according to the calculations performed by the program managers, the reuse/recycle of these devices also reduced air emissions by approximately 3,200 kg (equivalent to 355 gallons of gasoline), water emissions by almost 100 kg, saved enough energy to power 20 homes in the state of Illinois for a whole month (14,000 kWh), and saved about 30 lbs of precious metals.

Computer Electricity Savings Initiative

Late in 2017, Aptar implemented a company-wide initiative to improve the efficiency of our computers. More than 6,000 corporate desktops and laptops worldwide had their sleep mode setting automatically adjusted. We expect significant month-to-month energy and cost savings in the years ahead.

COLLABORATION IS ESSENTIAL between Aptar, our suppliers and throughout the entire value chain in order to achieve significant and sustainable progress.



AWARDS AND RECOGNITION

Aptar’s Landfill Free Certification Program Earns Industry Honors

It is gratifying to be honored within one’s chosen industry, especially when your company is the first to achieve a new distinction. This happened during 2017, when Aptar earned the inaugural Excellence in Pharma: Sustainability Initiative of the Year award at CPhI Worldwide 2017 in Frankfurt, Germany.

Established in 2004, the CPhI Pharma Awards are now among the pharmaceutical industry’s most prestigious accolades that accurately reflect the industry’s growing diversity. The 2017 awards introduced eight new categories, including the Sustainability Initiative designation. More than 200 entries were submitted across 19 categories. Award finalists were announced in August 2017.

Aptar received the Sustainability Initiative of the Year honors for its Landfill Free Certification program. Our global internal certification platform promotes the efficient use and conservation of natural resources in a manufacturing setting. Aptar facilities that attain at least a 90 percent reuse and/or recycling threshold are eligible for our Landfill Free Certification. In 2017, 46 percent of our sites were certified, and we anticipate more Aptar facilities to earn this distinction in the years ahead.

Aptar’s Landfill Free Certification program is incorporated as a measurable aspect of our global sustainability strategy, which aligns with survey data that has identified sustainability’s growing importance to our customers and supply partners. Our dedication to sustainable practices also reflects Aptar’s mission and commitment to corporate social responsibility.



The Landfill Free Journey

In 2016, Aptar Congers (NY, U.S.A.) recycled over 435,000 pounds of material, and then exceeded that amount in 2017. By the end of 2017, Aptar Congers was recycling approximately 85 percent of their operational waste. While Congers does not yet meet the Landfill Free certification requirement, they are progressing. In 2017, Aptar Congers was recognized by the Rockland Business Association with a Green Council Award. This award highlights the success of member companies that advance environmentally-conscious business practices.

VIEW A FULL LIST of Aptar sites that have achieved Landfill Free, ISO and OHSAS certifications [here](#).

PRODUCT



WORKING TOGETHER WITH CUSTOMERS

Aptar takes a B-2-B-2-C approach to product development driven by a deep understanding of consumer trends and behaviors around the world, our own internal R&D and mutually beneficial collaborations with inventors, laboratories, manufacturers and retailers.



Collaboration with Customer Improves Quality

During 2017, L'Oréal and Aptar partnered in a packaging quality improvement project that resulted in the development of new devices and processes.

L'Oréal's Kérastase brand is known for its luxury hair care products for men and women. Kérastase selected Aptar's Serumony controlled-dosage packaging for its Touche Chromatique line of concentrated hair color pigments. Serumony presented Kérastase with the perfect packaging innovation, combining premium aesthetics with precise dosage and user-friendly dispensing.

Available in four different shades, the premium 10 ml Serumony package dispenses the color correction serum with a simple click, providing an effortless blend with Kérastase Masque Chromatique. The consumer achieves the desired results intuitively and conveniently, while the airless Serumony dispenser protects the concentrated product formulation. Aptar's Serumony dispenser provides an accurate dose of formula while retaining hygienic properties.

Once the formula is applied, the push-button feature of Serumony can be locked with a quarter turn. The over-cap guarantees that the pipette stays clean.





INNOVATIVE SOLUTIONS

PHARMA

Innovation Excellence at Aptar

Aptar maintains a steady focus on excellence in the main functions of its business – innovation, operations and commercial (i.e., sales and marketing). For innovation specifically, this means sharing best practices across segments and regions, developing new capabilities, energizing and nurturing talented people, and optimizing our portfolio of innovative projects to create more value.

To build a robust strategy that creates value for our customers, we have established an Innovation Excellence team. Its mission is to recognize and develop groundbreaking solutions brought forth both internally and externally via Open Innovation. The team also is charged with ensuring that Aptar supports best practices and invests the right resources in the most promising opportunities, and coordinates efforts to turn these opportunities into reality.

Aptar Pharma Hosts Webinar on Airless Products

In March of 2017, Aptar Pharma hosted a live global webinar, “Growing Confidence in Airless Dispensing.” Led by Aptar Pharma experts, the webinar outlined the principles and benefits of airless dispensing solutions over traditional packaging. The team also presented Aptar Pharma’s comprehensive product, service and support package.



Polls conducted throughout the webinar helped to confirm the need to educate packaging and pharmaceutical industry professionals about airless dispensing systems technology. Participants rated the hour-long educational event “valuable,” and more than 50 percent of poll respondents agreed that airless dispensing benefits included the protection of their drug formulation and increased end-user convenience. The volume of follow-up questions further confirmed the considerable pharmaceutical industry interest in modern packaging solutions such as airless dispensing.

Donation to Opioid Crisis Coalitions in Illinois

Aptar and Adapt Pharma, a pharmaceutical company solely focused on expanding affordable access to NARCAN® (naloxone) Nasal Spray, provided a joint donation of 4,000 doses of NARCAN® to Illinois Governor Bruce Rauner’s Opioid Overdose Prevention and Intervention Task Force, with another 1,000 doses scheduled to go to the McHenry County Substance Abuse Coalition. Recognizing an unmet need in the treatment landscape, Aptar and Adapt collaborated on the development of a nasal spray system for NARCAN® that delivers a concentrated 4 mg dose of naloxone without any required assembly or specialized medical training.

“We are proud of our innovative drug delivery and dispensing solutions that improve the lives of millions of people around the world daily. It’s especially meaningful when we are able to contribute to saving lives. We are pleased to partner with Adapt Pharma, Governor Rauner’s Task Force and the McHenry County Substance Abuse Coalition to help address the opioid epidemic in our own backyard,” said Stephan Tanda, CEO of Aptar. “Raising awareness of the crisis and making these potentially life-saving doses more accessible to those who most need it will have a lasting impact on our community.”



FOOD + BEVERAGE

Sports Closures with Reduced Materials

Aptar's Light Original™ sports closure has become a commercial success worldwide. This is due in part to its design, which requires less material and allows for recyclability. The 1881 Light Original sports closure weighs 25 percent less than the Original sports closure. The Light Original entered the Latin American market with brands including G Active Water by Gatorade (Mexico), e-purita (México), Acqua Ciel (Peru), I9 by PowerAde (Brazil) and Agua Crystal (Brazil). Light Original is available with Aptar's SimpliSqueeze® valve technology and offers a spill-proof, precise and easy-to-use dispensing solution.

Partnership to Launch Premade No-Spill Spouted Pouch Solution

Aptar Food + Beverage entered a strategic agreement in 2017 with GualapackGroup, an industry leader in premade spouted pouches, to bring a new, premade no-spill spouted pouch solution to the European beverage market. Introduced in early May at Interpack in Dusseldorf, Germany, the innovative no-spill pouch fitment combines the safety and convenience of Aptar's SimpliSqueeze® valve with GualapackGroup's squeezable, easy-to-use Cheer Pack® spouted pouch. The new product provides an inventive new beverage package suitable for juices, flavored water, drinkable yogurts and other liquids. Its "squeeze and drink" capabilities are designed to avoid leaks when tipped or held upside-down, a first for the European pouched beverage market.



Aptar Torelló Earns Nestlé Spain Sustainable Supplier Award

In August 2017, Nestlé Spain hosted an event to highlight its suppliers' sustainability initiatives. Nestlé presented Aptar Torelló with a Sustainable Supplier Award for the redesign of its "La Lechera" closure used in condensed milk packaging.

Aptar has produced the closure since 1999, but we initiated efficiency improvements in 2015. After conducting a product life cycle assessment (LCA), Aptar Torelló's engineering department proposed modifications to lessen the closure's carbon footprint.

After making the alterations, the Torelló team conducted a second LCA to reevaluate the product's environmental impact. Improvements made to the closure reduced its material and energy consumption across all product life cycle stages and lowered its carbon dioxide (CO₂) generation 20 percent.

Using the quantity of closures shipped to Nestlé in 2016 as a baseline, the team calculated La Lechera's CO₂ reductions at a total of 144 tons annually, equivalent to the carbon offsets generated by planting 469 trees. The Aptar Torelló team's modifications also improved the closure's overall performance, making it easier and more efficient for consumer use.

Aptar Torelló was among 28 Nestlé suppliers in attendance at the event, each with initiatives targeting improvements in sustainability.

BEAUTY + HOME

Airless Dispensing Solution for Face Zone Skin Serum by Dr. Irena Eris

Dr. Irena Eris, a leading Polish beauty company, chose Aptar’s airless dispensers for its latest product group. Face Zone Global Transforming Skin Serum for Night is a nourishing and revitalizing skin treatment developed at the Dr. Irena Eris Centre for Science and Research. The brand selected Aptar’s 30 ml Micro round dispenser as the protective packaging for its sensitive cream. The Dr. Irena Eris brand is known for its high-end cosmetics and luxury spa hotels.

The New Challenge Met by Aptar Beauty + Home

To enable Yves Rocher to develop its ultra-concentrated I Love My Planet Shower Gel, Aptar Beauty + Home devised a custom SimpliSqueeze® closure with superior dispensing control that improves consumer convenience. Committed to biodiversity and environmental protection from the outset, the Yves Rocher Laboratory developed the concentrated I Love My Planet shower gel formula to reduce both its plastic packaging and the product’s environmental impact.

Yves Rocher sought a suitable dispensing system for its concentrated formula that would prevent excessive and unnecessary consumer use of the product. In collaboration with Yves Rocher, Aptar Beauty + Home developed a customized snap-top closure assembled with our SimpliSqueeze® silicone valve. The valve allows clean dispensing and prevents the formula from spilling and dripping. Because the smaller bottle requires less plastic than a 400 ml container, it reduces the product’s overall environmental footprint.

Valvoline™ Selects Aptar to Bring a Better Consumer Experience to Motor Oil Packaging

Valvoline set out to make changing oil easier, faster and cleaner for users of its Do It Yourself (DIY) motor oil products with its new, highly functional five-liter “Easy Pour Bottle” package. Valvoline sought to create an exceptional user experience in the bottle’s development, and invited interested consumers to share their thoughts throughout the process. Their feedback was used to help create the most user-friendly package design possible and to minimize product spill.

Valvoline engaged Aptar for our expertise and patented technologies to ensure seamless oil distribution and a positive user experience from start to finish. The new package features a low-profile dispensing pour spout with a built-in drain-back feature and resealable, easy-grip over-cap.

It also features Aptar’s BAP® (Bonded Aluminum to Plastic) technology, which uses an aluminum liner to permanently weld the closure to the container. BAP also provides a superior sealing performance that assures leak-proof security during transport. This enables the package to pass the most rigorous International Safe Transit Association (ISTA) e-commerce requirements including changes in air pressure, drop test and packaging inversion, among others. Additionally, it improves security thanks to an integrated tamper-evident pull-ring. The entire package liner is counterfeit-deterrent, a priority in the motor oil industry to maintain product integrity and prevent loss or damage.





APTAR PHARMA IMPROVES SAFETY

Combining science, technology and visionary thinking, our Pharma technologies provide a new era in drug delivery, deeper brand value for drug manufacturers and increased peace of mind for both healthcare professionals and their patients.

Child-Resistant Manufacturing Capabilities

In April 2017, Aptar Pharma transferred a new assembly machine designed for its child-resistant and senior-friendly classic nasal pump from our plant in southern Germany to Aptar Pharma's Congers, NY manufacturing facility.

Aptar Pharma developed its child-resistant technology primarily for the U.S.A. market following a 2012 ruling by the U.S. Consumer Product Safety Commission (CPSC) requiring child-resistant packaging for any over-the-counter or drug product containing the equivalent of 0.08 milligrams or more of imidazoline, a formulation widely used in nasal decongestant topical sprays.

Aptar Pharma introduced this innovative nasal pump less than two years after the CPSC ruling, successfully meeting the regulator's requirements. By transferring its assembly equipment to the U.S.A., Aptar Pharma brings its nasal pump manufacturing capacity closer to its target market.

Electronic Lockout Device Approved by EMA

In 2017, Aptar Pharma received approval from the European Medicines Agency (EMA) for the first integrated electronic nasal lockout device (e-Lockout), following a multi-year development process with Takeda Pharmaceutical International AG. Aptar Pharma agreed to supply Takeda with its e-Lockout device for a multi-dose nasal spray version of Instanyl®, which EMA granted marketing permission under the name Instanyl DoseGuard™. It is the first and only fully integrated electronic nasal drug delivery device approved by a U.S.A. or European regulatory authority.

Instanyl is a fast-acting nasal opioid approved for relieving "breakthrough" or sudden pain in adult cancer patients already under treatment with opioids for their usual discomfort. Aptar Pharma's e-Lockout device uses advanced electronic technology to ensure safe patient compliance by limiting the number of doses available during a 24-hour period. An electronic display shows the number of priming strokes, the doses left in the device and whether the nasal spray is locked or ready to use. The device also features a child-resistant cap.

The multi-year supply agreement reinforces a long-standing partnership between Aptar Pharma and Takeda. Aptar Pharma currently supplies Takeda with uni-dose and multi-dose nasal spray devices for Instanyl in Europe.





Real-Time Medication Management Technology

In May 2017, Aptar Pharma and Kali Care announced the launch of a partnership to address the challenge of monitoring adherence in ophthalmic clinical trials. It advances Aptar Pharma's ongoing work in the development of drug delivery devices and collaborations in the connected health space.

Kali Care, a Silicon Valley-based technology company, created a sensor technology that enables clinicians to replace adherence assumptions in clinical trials with collected real-time data.

Kali Care has developed the first digital monitoring system for ophthalmic medications that integrates smart sensors, data analytics and cloud services. Combined with the recent breakthroughs of Aptar Pharma's ophthalmic drug delivery systems, Kali Care's sensor technology opens new opportunities for the monitoring of patient adherence.



AWARDS AND RECOGNITION



Aptar's Award-Winning Daisy Closure

Since its introduction in 2015, the Daisy Sour Cream pouch, which features Aptar's unique dispensing solution, has won numerous awards for its innovative technology and revolutionary design.

Daisy packaging features an inverted pouch with an Aptar-designed dispenser that includes a tamper-evident pull ring and custom closure with valve. The built-in tamper device assures consumers of product safety and freshness, while its flip-lid closure and large valve provide convenience and control during dispensing.

Daisy Squeeze Sour Cream's packaging has received numerous awards that range from regional to global and include recognition by Ameristar, Brand Packaging, Caps & Closures, DuPont and WorldStar. In each instance, Daisy Squeeze's package was judged using criteria including sustainability, packaging innovation and consumer confidence.

APTAR PHARMA AND KALI CARE announced the launch of a partnership to address the challenge of monitoring adherence in ophthalmic clinical trials.



Solutions for e-Commerce Challenges

Aptar is an official participant in the Amazon Packaging Support and Supplier Network and understands the packaging challenges related to the e-commerce supply chain. We meet the protocols currently used by companies including Amazon, FedEx and UPS, as well as ISTA standards.

We provide e-commerce capable solutions using existing Aptar products and technologies, including those listed below, or by developing new solutions.

- **BAP (Bonded Aluminum to Plastic)** known for its excellent sealing performance.
- **Locking actuators/buttons** for spray devices.
- **Spray systems** for use with pressurized packages (aerosol valves, bag-on-valve).

One of the most common problems in packaging is content leakage, which often results in product loss and damage to other products inside a shipping container.

Aptar’s packaging solutions contribute to reduced costs related to product losses, replacement, double shipping and protective packaging. Our packaging also adds to a superior consumer experience that boosts overall satisfaction and brand loyalty.

Recycled and Bio-Based Resin Explorations

There is a growing interest in what is known as the “circular economy,” in which raw materials are regenerated and constantly reused rather than following the traditional linear economy model of “make, use, dispose.”

The circular economy’s benefits to business and the environment are clear: resources are used more effectively, resulting in lower costs and less waste, better management of raw materials, and improved approaches to the supply chain.

In the interest of supporting a more sustainable economy, Aptar launched a Sustainable Materials Task Force in 2015 to address customer, consumer and regulatory expectations for sustainable product offerings.

The task force’s fundamental objectives were to create a reliable network of sustainable material suppliers with the necessary technical and supply capabilities, and to establish a robust process with suppliers to validate sustainable materials and offer ready-to-use solutions.

Over the past few years, Aptar has evaluated and tested a number of sustainable resins. We seek sustainable materials that can replace our standard fossil-based resins, and we are currently investigating post-consumer recycled resins (PCR), post-industrial resins (PIR) and bio-based materials. Each sustainable option is defined as follows:

- **Post-consumer recycled resin (PCR)** is the recycled product of waste created by consumers. It consists of a blend of recycled resins that otherwise may end up in a landfill.
- **Post-industrial resin (PIR)** is plastic waste recovered from industrial processes and consists of a blend of recycled resins from industrial waste.
- **Bio-based material** is made from living (or once-living) organisms, including carbohydrate-rich plants such as corn or sugar cane.





In early 2017, in North America, we launched stock tube-top, snap-top and disc-top closures made with PCR resin. Approved by the U.S. Food and Drug Administration (FDA) for use in the Beauty + Home applications, this PCR polypropylene is blended 50/50 with virgin polypropylene resin.

Among all tests being conducted on PCR, PIR and bio-based materials, we note with pride the recent qualification of Aptar's GS Twist & Lock and GSA (Affinity) dispensers with actuator, closure and dip tube components made of bio-based materials. These were the first dispensing systems on the global market to complete a life cycle assessment (LCA) and achieve an environmental product declaration (EPD). With the recent certification of bio-based material, the GS and GSA dispensers can further reduce environmental impact.

Aptar remains committed to sustainable resins as an area of focus within our Innovation Excellence organization. We will continue to seek opportunities to replace fossil-based resins and increase our offering of sustainable dispensing solutions to our key markets.



Every day, we create quiet 'ah-ha moments' for our customers and their consumers by continually bringing innovations to market that convert non-dispensing packaging into breakthrough product-dispensing systems, including those that give people more effective ways to put on their favorite fragrance, kids the opportunity to pour ketchup without making a mess and patients connected technologies that help them more easily adhere to treatment. These innovations reflect how Aptar approaches and brings to life product dispensers to transform the user experience across categories, adding tangible value that did not exist before.

In 2017, we committed to renew the focus on our safety performance, in an effort to bring each person home from work in the same, or better, condition than they arrived via the launch of the Global EHS Management System. In addition, we celebrated safety milestones across the globe. We also continued environmental initiatives to reduce our impact on the communities in which we operate and the planet by expanding the Landfill Free Certification Program and increasing site-level renewable energy purchases.

Aptar is proud of all that was achieved this year and looks forward to making continued progress into the future. Moving forward, we look to keep the momentum around our safety programs, but also expand our social offerings. We have hopes of furthering our impact on diversity and inclusion, other important social purposes, and improving supply chain transparency.

In light of our commitment to continuous improvement, we have prepared a brief **survey** to collect feedback from our readers. The information gathered from this survey will assist us in focusing our corporate sustainability efforts on the areas of greatest importance to our stakeholders. Your participation would be most welcome.

GLOBAL REPORTING INITIATIVE (GRI) INDEX

Prepared in accordance with the GRI Standards: Core options

AptarGroup's 2017 Corporate Sustainability Report highlights activities that took place across our global portfolio from January 1 – December 31, 2017 unless otherwise noted. This report was prepared in accordance with the GRI Standards: Core options. We obtained limited external assurance from ERM Certification and Verification Services Inc. (ERM CVS) based on the International Standard on Assurance Engagement (ISAE) 3000 for the 2017 absolute data for electricity, fuel oil and natural gas. ERM CVS also provided limited assurance on the Scope 1 and Scope 2 greenhouse gas emissions from these sources, including both location-based and market-based factors as well as an assurance of our renewable energy purchases and Renewable Energy Credit (RECs) claims applied to the market-based factors.

The factors, as well as the assurance statements, are linked in the appropriate indicators within this index, and here:

[2017 Assurance Statement for Absolute Energy, Scope 1 & 2 Emissions, and Renewable Energy Purchases](#)

[2017 Assurance Statement for Scope 1 & 2 \(Location and Market Based\) CO₂ Emissions](#)

GRI TABLE OF CONTENTS

100 UNIVERSAL STANDARD

INDICATOR	PAGE #
102 GENERAL DISCLOSURES	31
102-1	31
102-2	31
102-3	31
102-4	31
102-5	31
102-6	31
102-7	31
102-8	32
102-9	33
102-10	33
102-11	34
102-12	34
102-13	34
102-14	34
102-16	34
102-17	35
102-18	35
102-40	35
102-41	36
102-42	36
102-43	36
102-44	36
102-45	36
102-46	36
102-47	37
102-48	37
102-49	38
102-50	38
102-51	38
102-52	38
102-53	38
102-54	38
102-55	38
102-56	38

200 ECONOMIC TOPICS

INDICATOR	PAGE #
201 ECONOMIC PERFORMANCE	39
201-1	39
201-2	40
201-3	40
201-4	41
204 PROCUREMENT PRACTICES	41
204-1	42
205 ANTI-CORRUPTION	44
205-1	44
205-2	45
205-3	46
206 ANTI-COMPETITIVE BEHAVIOR	46
206-1	46

300 ENVIRONMENTAL TOPICS

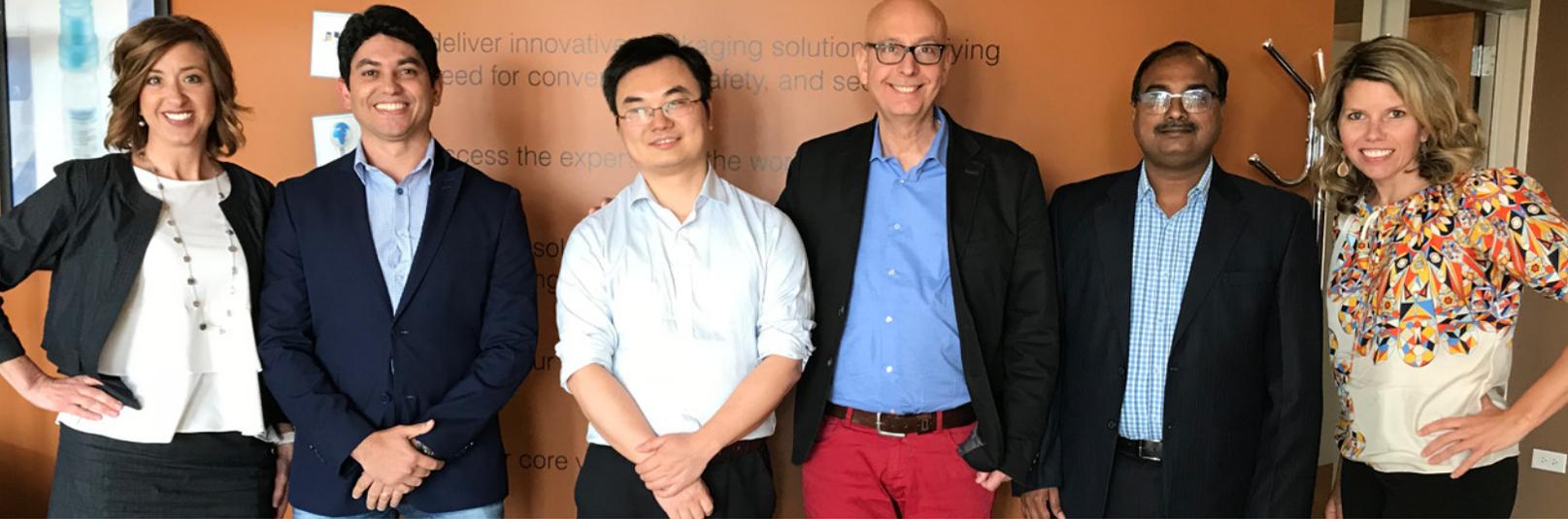
INDICATOR	PAGE #
301 MATERIALS	47
302 ENERGY	48
302-1	49
302-2	50
302-3	50
303 WATER	51
304 BIODIVERSITY	51
304-1	51
304-2	51
304-3	52
304-4	52
305 EMISSIONS	52
305-1	53
305-2	54
305-3	54
305-4	55
305-5	55
305-6	56
305-7	56
306 EFFLUENTS AND WASTE	57
306-1	58
306-2	58
306-3	60
306-4	60
306-5	60
307 ENVIRONMENTAL COMPLIANCE	60
307-1	61
308 SUPPLIER ENVIRONMENTAL ASSESSMENT	61
308-1	61
308-2	61

400 SOCIAL TOPICS

INDICATOR	PAGE #
401 EMPLOYMENT	62
401-1	62
402 LABOR/MANAGEMENT RELATIONS	63
402-1	63
403 OCCUPATIONAL HEALTH AND SAFETY	64
403-1	64
403-2	65
403-3	65
403-4	66
404 TRAINING AND EDUCATION	66
404-1	66
404-2	67
404-3	67
405 DIVERSITY AND EQUAL OPPORTUNITY	67
406 NON-DISCRIMINATION	67
406-1	68
407 FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING	68
408 CHILD LABOR	68
409 FORCED OR COMPULSORY LABOR	68
412 HUMAN RIGHTS ASSESSMENT	69
414 SUPPLIER SOCIAL ASSESSMENT	69
414-1	69
414-2	69
415 PUBLIC POLICY	70
415-1	70
416 CUSTOMER HEALTH AND SAFETY	70
416-1	70
416-2	70
417 MARKETING AND LABELING	71
417-1	71
417-2	71
417-3	71
418 CUSTOMER PRIVACY	71
418-1	71
419 SOCIOECONOMIC COMPLIANCE	72
419-1	72

Vision 2030

Delivering Solutions, Shaping the future.



APTAR IS COMMITTED to supporting the United Nations Sustainable Development Goals. Throughout this GRI Index we have indicated where our activities affect one of the seventeen topics by placing the associated icon next to our response.

**SUSTAINABLE
DEVELOPMENT
GOALS**



100 UNIVERSAL STANDARD

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 102 GENERAL DISCLOSURES		
102-1	Name of the organization	AptarGroup, Inc.
102-2	a. A description of the organization's activities. b. Primary brands, products, and services, including an explanation of any products or services that are banned in certain markets.	a. AptarGroup 2017 Annual Report (PDF: page 9) b. AptarGroup 2017 Annual Report (PDF: pages 9-12)
102-3	a. Location of the organization's headquarters.	Crystal Lake, Illinois, U.S.A.
102-4	a. Number of countries where the organization operates, and the names of countries where it has significant operations and/or that are relevant to the topics covered in the report.	AptarGroup 2017 Annual Report (PDF: page 19)
102-5	a. Nature of ownership and legal form.	AptarGroup 2017 Annual Report (PDF: page 7)
102-6	Markets served, including: i. Geographic locations where products and services are offered; ii. Sectors served; iii. Types of customers and beneficiaries.	AptarGroup 2017 Annual Report (PDF: page 9-12)
102-7	a. Scale of the organization, including: i. Total number of employees; ii. Total number of operations; iii. Net sales (for private sector organizations) or net revenues (for public sector organizations); iv. Total capitalization (for private sector organizations) broken down in terms of debt and equity; v. Quantity of products or services provided.	i. Total number of employees: 13,200 ii. Total number of operations: 48 (See the table in the Appendix of this GRI index, which shows site nomenclature within our multiple data collection systems and reports.) iii. Net revenues (for public sector organizations): \$2,469 million iv. Not applicable (not private sector) v. Aptar has more than 10,000 product types, which we categorize into almost 1,000 different product families. We provide these products to more than 5,000 customers worldwide.

100 UNIVERSAL STANDARD

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 102 GENERAL DISCLOSURES

- 102-8**
- Total number of employees by employment contract (permanent and temporary), by gender.
 - Total number of employees by employment contract (permanent and temporary), by region.
 - Total number of employees by employment type (full-time and part-time), by gender.
 - Whether a significant portion of the organization's activities are performed by workers who are not employees. If applicable, a description of the nature and scale of work performed by workers who are not employees.
 - Any significant variations in the numbers reported in Disclosures 102-8-a, 102-8-b, and 102-8-c (such as seasonal variations in the tourism or agricultural industries).
 - An explanation of how the data have been compiled, including any assumptions made.

Please see **Table 102-8** below, of employees by region, employment contract category, gender, and employee type. As it is ever-changing, the data presented in the table is a snapshot of the situation as of the end of December for the respective year for our fixed and unlimited term contract employees. The data for temporary employees represents an average count over the course of the entire year. Our definitions of these employee categories are provided in the [Appendix](#).



TABLE 102-8 TOTAL NUMBER OF EMPLOYEES

REGION	EMPLOYEE CATEGORY	2017					
		MALE	FEMALE	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	TOTAL	MALE
Central Europe	Fixed + Unlimited Term Contract	1699	845	310	2234	2544	1507
	Temporary	160	106	0	266	266	65
West Europe	Fixed + Unlimited Term Contract	2472	1373	830	3015	3845	2459
	Temporary	482	499	76	905	981	516
South Europe	Fixed + Unlimited Term Contract	526	91	117	500	617	525
	Temporary	93	58	0	151	151	101
North America	Fixed + Unlimited Term Contract	1212	785	606	1391	1997	1207
	Temporary	45	36	0	81	81	43
China	Fixed + Unlimited Term Contract	506	436	98	844	942	509
	Temporary	0	2	0	0	2	6
Latin America	Fixed + Unlimited Term Contract	741	440	278	903	1181	738
	Temporary	22	24	0	46	46	7
Southeast Asia and India	Fixed + Unlimited Term Contract	355	209	88	476	564	403
	Temporary	132	71	0	203	203	132
Aptar Total	Fixed + Unlimited Term Contract	7511	4179	2327	9363	11690	7348
	Temporary	934	796	76	1652	1730	870

¹ See [Appendix](#) for definitions

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 102 GENERAL DISCLOSURES

- 102-9** a. A description of the organization's supply chain, including its main elements as they relate to the organization's activities, primary brands, products, and services.
- Aptar sources components, raw materials, equipment, services, and non-production items (e.g., energy and transportation) from suppliers around the world. In 2017, these purchases totaled approximately \$1.6 billion USD. We are in the process of transforming our purchasing approach to further centralize and streamline across our three business segments. We believe this work will help us to increase efficiency, implement better, more consistent tools and processes, and ultimately, create innovative solutions to overcome supply chain challenges.
- 102-10** a. Significant changes to the organization's size, structure, ownership, or supply chain, including:
- Changes in the location of, or changes in, operations, including facility openings, closings, and expansions;
 - Changes in the share capital structure and other capital formation, maintenance, and alteration operations (for private sector organizations);
 - Changes in the location of suppliers, the structure of the supply chain, or relationships with suppliers, including selection and termination.
- In 2017, we completed a state-of-the art expansion at our Congers, New York, manufacturing facility to better serve the U.S. injectables market. We also broke ground on a new facility in Guangzhou, China. The site will allow us to add capacity in this vital market and better serve our customers across the region.

2016				2015				
FEMALE	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	TOTAL	MALE	FEMALE	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	TOTAL
744	273	1978	2251	1480	741	260	1961	2221
48	0	113	113	53	62	0	115	115
1396	838	3017	3855	2419	1411	810	3020	3830
428	14	930	944	464	419	10	873	883
92	127	490	617	513	86	119	480	599
46	0	147	147	98	59	0	157	157
768	604	1371	1975	1181	774	559	1396	1955
23	0	66	66	47	25	0	72	72
419	92	836	928	550	461	96	915	1011
5	0	11	11	5	15	0	20	20
439	254	923	1177	714	432	238	905	1146
26	0	33	33	18	16	5	29	34
235	92	542	634	533	233	90	676	766
80	0	212	212	93	69	0	162	162
4093	2280	9157	11437	7460	4214	2193	9481	11528
656	14	1512	1526	778	665	15	1428	1443

100 UNIVERSAL STANDARD

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 102 GENERAL DISCLOSURES		
102-11	a. Whether and how the organization applies the Precautionary Principle or approach.	<p>Every product manufactured by Aptar must comply with applicable regulations in the regions where it is produced. To ensure compliance, full transparency and in order to help protect consumers and the environment, Aptar has set up dedicated regulatory and quality policies and control departments tasked with:</p> <ul style="list-style-type: none"> • Carrying out continuous regulatory monitoring and selecting key relevant requirements • Providing customers with relevant material data • Proactively collaborating with the supply chain to phase out potentially hazardous substances • Meeting customer-specific needs regarding substances of interest <p>To achieve these aims, Aptar establishes strong relationships with supply chain partners and professional associations, defines specific regulatory specifications for each type of material, collects and analyzes supplier declarations information.</p>
102-12	a. A list of externally-developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes, or which it endorses.	Not applicable
102-13	a. A list of the main memberships of industry or other associations, and national or international advocacy organizations.	Not applicable
102-14	a. A statement from the most senior decision-maker of the organization (such as CEO, chair, or equivalent senior position) about the relevance of sustainability to the organization and its strategy for addressing sustainability.	See CEO Letter
102-16	a. A description of the organization's values, principles, standards and norms of behavior.	<p>Aptar teaches Core Values through internal training programs offered to different categories of employees.</p> <ul style="list-style-type: none"> • We believe in the self-worth of individuals regardless of their status • We strive for relationships that are based on openness, honesty and feedback • We promote teamwork and cooperation at all levels • We challenge people to develop their potential and to take initiative • We practice business relationships that are based on responsibility and on long-term and mutual interests to all stakeholders <p>Besides those values, Aptar norms of behavior and conduct are embodied within the Code of Business Conduct & Ethics. The Code of Business Conduct & Ethics summarizes the long-standing principles of conduct that Aptar and its subsidiaries follow to ensure integrity and compliance with the law.</p>

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 102 GENERAL DISCLOSURES		
102-17	<p>a. A description of internal and external mechanisms for:</p> <ul style="list-style-type: none"> i. Seeking advice about ethical and lawful behavior, and organizational integrity; ii. Reporting concerns about unethical or unlawful behavior, and organizational integrity. 	<ul style="list-style-type: none"> i. Aptar has an internal Legal Affairs department with global representation. Employees are encouraged to seek advice about ethical and lawful behavior, and organization integrity, by contacting a member of the legal department. ii. Aptar has several alternatives for reporting concerns about unethical or unlawful behavior. First, Aptar has an independent third-party SAAS whistleblower hotline. This hotline allows users to report allegations across the globe in many different languages. Users have the ability to report anonymously. Second, employees also have the ability to report allegations through Aptar's Compliance Officers. Finally, employees can report allegations through their managers or through their local human resources department.
102-18	<ul style="list-style-type: none"> a. Governance structure of the organization, including committees of the highest governance body. b. Committees responsible for decision-making on economic, environmental and social topics. 	<ul style="list-style-type: none"> a. AptarGroup Governance Highlights b. Aptar governance is organized in four committees: audit, compensation, governance and executive <ul style="list-style-type: none"> • The Audit Committee is in charge of assisting Aptar's Board of Directors in overseeing Aptar financial statements, compliance with the applicable laws, independent auditors and internal audit • The Compensation Committee is in charge of the compensation of Aptar executives • The Governance Committee is in charge of identifying, evaluating and recommending individuals qualified to be directors of Aptar • Finally, the Executive Committee is in charge of performing the duties and exercising the powers delegated to it by the Aptar Board of Directors
102-40	<ul style="list-style-type: none"> a. A list of stakeholder groups engaged by the organization. 	<p>From year to year, we alternate the method by which we conduct our sustainability materiality assessments between intense activity inclusive of one-on-one interviews and focus groups, and passive online surveying (see 102-46). In 2017, we conducted one-one-one surveys with some of the members of our Executive Committee. We keep in close contact with many key customers, suppliers and a few investors who help us shape our focus areas, and we also collect feedback through a materiality survey which is hosted within our annual sustainability report. Throughout 2016 and 2017, we received feedback on our materiality survey from Aptar employees, members of Board of Directors, suppliers, customers, community leaders and sustainability thought leaders (like consultants providing sustainability related services). We will use a similar survey process to collect feedback on this report throughout 2018.</p>

100 UNIVERSAL STANDARD

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 102 GENERAL DISCLOSURES		
102-41	a. Percentage of total employees covered by collective bargaining agreements.	Please see Table 102-41 . We believe this information to be accurate +/-10 percent.
102-42	a. The basis for identifying and selecting stakeholders with whom to engage.	See GRI 102-46 below
102-43	a. The organization's approach to stakeholder engagement, including frequency of engagement by type and by stakeholder group, and an indication of whether any of the engagement was undertaken specifically as part of the report preparation process.	See GRI 102-46 below
102-44	a. Key topics and concerns that have been raised through stakeholder engagement, including: <ol style="list-style-type: none"> <li data-bbox="272 703 837 793">i. How the organization has responded to those key topics and concerns, including through its reporting; <li data-bbox="272 800 837 863">ii. The stakeholder groups that raised each of the key topics and concerns. 	For several years we have been working diligently to understand the needs of our customers as they relate to sustainable materials and, especially throughout 2016 and 2017, have received several requests for trials of Post-Consumer Recycled (PCR) resin.
102-45	a. A list of all entities included in the organization's consolidated financial statements or equivalent documents. b. Whether any entity included in the organization's consolidated financial statements or equivalent documents is not covered by the report.	AptarGroup 2017 Annual Report (PDF: pages 19) See the table in the Appendix of this GRI index, which shows site nomenclature within our multiple data collection systems and reports.
102-46	a. An explanation of the process for defining the report content and the topic Boundaries. b. An explanation of how the organization has implemented the Reporting Principles for defining report content.	Aptar conducts materiality assessments to define report content and aspect boundaries. Our materiality assessment process enables us to focus on different stakeholder groups from year to year. In preparation for our 2017 Corporate Sustainability Report, elements of the assessment included: <ul style="list-style-type: none"> <li data-bbox="894 1255 1539 1478">• In conjunction with the 2016 Corporate Sustainability Report, we published a subsequent online materiality assessment survey to allow feedback on the 2016 report content. We then used the results of that online survey to verify our approach and establish the content of this 2017 Corporate Sustainability Report. We will use a similar survey process to collect feedback on this 2017 report. <li data-bbox="894 1484 1539 1604">• Customer and Peer Analysis: Aptar conducted a landscape assessment to better understand the current level of sustainability reporting in the industry and to realign our targets <li data-bbox="894 1610 1539 1694">• Interviews: Aptar conducted one-on-one interviews with senior executives to better understand their vision for sustainability at Aptar <li data-bbox="894 1701 1539 1818">• Investor Communication: We participated in conversations with current and potential investors that are managing ESG funds in order to show them Aptar's progress and share ideas

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 102 GENERAL DISCLOSURES

102-47	a. A list of the material topics identified in the process for defining report content.	<p>Our 2015 Corporate Sustainability Report focused on the following material topics:</p> <ul style="list-style-type: none"> • Economic: Economic Performance, Procurement and Practices • Environmental: Energy, Effluents and Waste, Emissions, Compliance, Supplier Environmental Assessment • Social: Training and Education, Local Communities, Anti-Corruption, Compliance, Occupational Health & Safety, Diversity & Equal Opportunity, Employment, Labor/Management Relationships, Investment, Supplier Human Rights Assessment, Supplier Assessment for Impact on Society, Customer Health and Safety, Product and Service Labeling, Marketing Communications, Customer Privacy, Compliance <p>The materiality assessment conducted throughout 2016 returned similar suggestions, with a request to report more specifically on these three key issues:</p> <ol style="list-style-type: none"> 1. That Aptar manufactures products made from sustainable materials; 2. That Aptar remains conscious of energy consumption within our operations; 3. That we provide innovative solutions that are able to be recycled upon end of use. <p>For the 2017 report we included these topics, plus more transparency around our safety programs and progress, as well as our future targets.</p>
102-48	a. The effect of any restatements of information given in previous reports, and the reasons for such restatements.	<p>In 2017, we launched enhancements to the sustainability metrics reporting system which allow users the ability to report fuel consumption and waste disposal into more specific category designations. Due to this heightened awareness on fuel consumption reporting, as we tested the system throughout 2016, our users gained better understanding of our metrics definitions and the fuels to include therein.</p>

TABLE 102-41 COLLECTIVE BARGAINING

REGION	2017 PERCENTAGE	2016 PERCENTAGE	2015 PERCENTAGE
Central Europe	12.5	12.5	12.5
West Europe	94	94.5	94.5
South Europe	99.7	99	99
North America	7	7.8	8.2
China	100	100	100
Southeast Asia and India	0	0	0
Latin America	85.7	85.7	85.7
Aptar Total	57	57	57.6

100 UNIVERSAL STANDARD

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 102 GENERAL DISCLOSURES		
102-49	a. Significant changes from previous reporting periods in the list of material topics and topic Boundaries.	We are using the GRI Standards, published in October of 2016, to report our disclosures. With this we have included significantly more details on our Occupational Health and Safety Programs (see GRI-403).
102-50	a. Reporting period for the information provided.	This report covers activities from January 1, 2017 to December 31, 2017 unless otherwise noted.
102-51	a. If applicable, the date of the most recent previous report.	14-May-17
102-52	a. Reporting cycle.	Annual
102-53	a. The contact point for questions regarding the report or its contents.	Beth Holland Director, Operational Excellence – Global Environment, Health and Safety & Sustainability Beth.Holland@aptar.com
102-54	a. The claim made by the organization, if it has prepared a report in accordance with the GRI Standards, either: i. 'This report has been prepared in accordance with the GRI Standards: Core option'; ii. 'This report has been prepared in accordance with the GRI Standards: Comprehensive option'.	This report has been prepared in accordance with the GRI Standards: Core options. See GRI 102-56 below for assurance information.
102-55	a. The GRI content index, which specifies each of the GRI Standards used and lists all disclosures included in the report. b. For each disclosure, the content index shall include: i. The number of the disclosure (for disclosures covered by the GRI Standards); ii. The page number(s) or URL(s) where the information can be found, either within the report or in other published materials; iii. If applicable, and where permitted, the reason(s) for omission when a required disclosure cannot be made.	Please refer to the Table of Contents of this GRI Index. We have made every attempt to report all required disclosures and only omit information where we do not have systems in place to collect the data as is requested.
102-56	a. A description of the organization's policy and current practice with regard to seeking external assurance for the report. b. If the report has been externally assured: i. A reference to the external assurance report, statements, or opinions. If not included in the assurance report accompanying the sustainability report, a description of what has and what has not been assured and on what basis, including the assurance standards used, the level of assurance obtained, and any limitations of the assurance process; ii. The relationship between the organization and the assurance provider; iii. Whether and how the highest governance body or senior executives are involved in seeking external assurance for the organization's sustainability report.	About This Report In addition to the energy and emissions data that was externally verified, all report information was reviewed by Aptar's Vice President of Operational Excellence, Operational Excellence EHS & Sustainability Regional Leaders, Aptar's Vice President of Investor Relations, and other functional leaders throughout the organization. Assurance statements from ERM CVS can be found here: • 2017 Assurance Statement for Absolute Energy, Scope 1 & 2 Emissions, and Renewable Energy Purchases • 2017 Assurance Statement for Scope 1 & 2 (Location and Market Based) CO₂ Emissions

200 ECONOMIC DISCLOSURES

TOPIC

REPORTING REQUIREMENT

APTAR'S RESPONSE

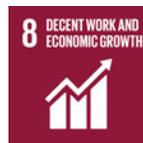
GRI 201 ECONOMIC DISCLOSURES

Management Approach

The reporting organization shall report its management approach for economic performance using GRI 103: Management Approach.

As a public company, we are required to report our results and file them with the U.S. Securities and Exchange Commission. We issue annual and quarterly financial statements that are filed publicly. Public financial statements are prepared on the accrual basis Generally Accepted Accounting Principles. We maintain processes and controls to collect, summarize and report financial transactions. Our processes and controls also support our tax filing requirements. We file annual tax returns for each legal entity or reporting group. The basis for reporting on our tax returns vary by jurisdiction.

- 201-1**
- a. Direct economic value generated and distributed (EVG&D) on an accruals basis, including the basic components for the organization's global operations as listed below. If data are presented on a cash basis, report the justification for this decision in addition to reporting the following basic components:
 - i. Direct economic value generated: revenues;
 - ii. Economic value distributed: operating costs, employee wages and benefits, payments to providers of capital, payments to government by country, and community investments;
 - iii. Economic value retained: 'direct economic value generated' less 'economic value distributed'.
 - b. Where significant, report EVG&D separately at country, regional, or market levels, and the criteria used for defining significance.
- a. [AptarGroup 2017 Annual Report](#) (PDF: page 42)
 - i. [AptarGroup 2017 Annual Report](#) (PDF: page 42)
 - ii. [AptarGroup 2017 Annual Report](#) (PDF: page 42)
 - iii. [AptarGroup 2017 Annual Report](#) (PDF: page 42)
 - b. We collect and evaluate this information, but we do not publicly disclose.



200 ECONOMIC DISCLOSURES

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 201 ECONOMIC DISCLOSURES		
201-2	<p>a. Risks and opportunities posed by climate change that have the potential to generate substantive changes in operations, revenue, or expenditure, including:</p> <ul style="list-style-type: none"> i. A description of the risk or opportunity and its classification as either physical, regulatory, or other; ii. A description of the impact associated with the risk or opportunity; iii. The financial implications of the risk or opportunity before action is taken; iv. The methods used to manage the risk or opportunity; v. The costs of actions taken to manage the risk or opportunity. 	<p>Aptar responds to the CDP Climate Change questionnaire on an annual basis. Detailed information about our risks and opportunities posed by climate change are included within our response.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>
201-3	<p>a. If the benefit plan obligations and other retirement plan's liabilities are met by the organization's general resources, the estimated value of those liabilities.</p> <p>b. If a separate fund exists to pay the plan's pension liabilities:</p> <ul style="list-style-type: none"> i. The extent to which the scheme's liabilities are estimated to be covered by the assets that have been set aside to meet them; ii. The basis on which that estimate has been arrived at; iii. When that estimate was made. <p>c. If a fund set up to pay the plan's pension liabilities is not fully covered, explain the strategy, if any, adopted by the employer to work towards full coverage, and the timescale, if any, by which the employer hopes to achieve full coverage.</p> <p>d. Percentage of salary contributed by employee or employer.</p> <p>e. Level of participation in retirement plans, such as participation in mandatory or voluntary schemes, regional, or country-based schemes, or those with financial impact.</p>	<ul style="list-style-type: none"> a. AptarGroup 2017 Annual Report (PDF: page 58-59) b. AptarGroup 2017 Annual Report (PDF: page 59) <ul style="list-style-type: none"> i. AptarGroup 2017 Annual Report (PDF: page 59) ii. AptarGroup 2017 Annual Report (PDF: page 61) iii. As of December 31, 2017. c. We maintain our funding within the legal threshold. d. Our form 11-K is an annual report of employee stock purchase, savings and similar plans. The 11-K for reporting year 2016 was filed on June 7, 2017. The 11-K for reporting year 2017 is scheduled to be filed near the end of Q2 2018. e. We do not currently have mechanisms in place to be able to report the level of participation in retirement plans.

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 201 ECONOMIC DISCLOSURES

201-4	<p>a. Total monetary value of financial assistance received by the organization from any government during the reporting period, including:</p> <ul style="list-style-type: none"> i. Tax relief and tax credits; ii. Subsidies; iii. Investment grants, research and development grants, and other relevant types of grant; iv. Awards; v. Royalty holidays; vi. Financial assistance from Export Credit Agencies (ECAs); vii. Financial incentives; viii. Other financial benefits received or receivable from any government for any operation. <p>b. The information in 201-4-a by country.</p> <p>c. Whether, and the extent to which, any government is present in the shareholding structure.</p>	<p>a-i. Tax credits estimated to be received for 2017 from various states and countries (listed in b below) = \$14,623,000</p> <ul style="list-style-type: none"> ii. Not applicable iii. Investment and other incentive grants estimated to be received for 2017 = \$430,000 iv. Not applicable v. Not applicable vi. Not applicable vii. Not applicable viii. Not applicable <p>b. U.S.A., specifically the states of CT, IL, NY, WI; and France. Please see Table 201-4 below.</p> <p>c. Not applicable</p>
--------------	--	--

GRI 204 PROCUREMENT PRACTICES

Management Approach

The reporting organization shall report its management approach for procurement practices using GRI 103: Management Approach.

Aptar's number one commodity spend is on resin. In 2017, resin purchases accounted for approximately 13 percent of our total annual purchasing spend. For this reason we are providing our response with regard to resin purchases only, which we believe will give a representative picture of the overall purchasing strategy. Aptar's purchasing strategy, consistent with Aptar's reporting alignment, considers four main regions: North America, Europe, Latin America and Asia (including China, India, Indonesia and Thailand).

TABLE 201-4 SUMMARY OF STATE TAX CREDITS AND INCENTIVES

TYPE	AMOUNT BY STATE					TOTAL U.S.A.	FRANCE	TOTAL
	CT	IL	NY	WI				
Human Capital/ Payroll Tax Credits	1,000					1,000	6,505,000	6,506,000
Electronic Data Processing	10,000					10,000		10,000
Fixed Capital Investment Credit	75,000	24,000	117,000			216,000		216,000
Research & Development Tax Credit	70,000	4,000		99,000		173,000	7,680,000	7,853,000
Manufacturing Sales Tax Credit				38,000		38,000		38,000
Total Tax Credits	156,000	28,000	117,000	137,000		438,000	14,185,000	14,623,000
Incentive Tax Credits		430,000				430,000		430,000
Grand Totals	156,000	458,000	117,000	137,000		868,000	14,185,000	15,053,000

200 ECONOMIC DISCLOSURES

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 204 PROCUREMENT PRACTICES

- 204-1**
- a. Percentage of the procurement budget used for significant locations of operation that is spent on suppliers local to that operation (such as percentage of products and services purchased locally).
 - b. The organization's geographical definition of 'local'.
 - c. The definition used for 'significant locations of operation'.

- a. Please see **Table 204-1** below.
- b. When we designate a spend as 'local' we mean that we are purchasing from a supplier that is located within the same region as the Aptar production facility that is originating the purchase. Within **Table 204-1** below we have highlighted the unique situations in which the resin purchase is not local. The majority of resin purchases are local.
- c. We consider all of our manufacturing facilities significant locations of operation.



TABLE 204-1 RESIN PROCUREMENT PRACTICES

REGION	APTAR FACILITY	VENDOR COUNTRY	% OF APTAR'S 2018 TOTAL RESIN SPEND	% OF APTAR'S 2018 TOTAL RESIN VOLUME
North America	Mukwonago, WI (U.S.A.)	U.S.A.	21.82	23.33
North America	Mukwonago, WI (U.S.A.)	Austria	0.02	0.02
Europe	Freyung (Germany)	Austria	8.24	9.23
Europe	Freyung (Germany)	Germany	3.32	3.58
North America	Lincolnton, NC (U.S.A.)	U.S.A.	7.56	8.19
Europe	Pescara (Italy)	Germany	3.46	3.84
Europe	Pescara (Italy)	Netherlands	1.24	1.21
Europe	Pescara (Italy)	Belgium	1.02	0.98
Europe	Pescara (Italy)	Italy	0.51	0.35
Europe	Pescara (Italy)	Austria	0.41	0.47
Europe	Pescara (Italy)	U.S.A.	0.10	0.10
Europe	Pescara (Italy)	Finland	0.02	0.02
Europe	Le Vaudreuil (France)	France	2.59	1.94
Europe	Le Vaudreuil (France)	Germany	1.55	0.37
Europe	Le Vaudreuil (France)	Belgium	1.42	0.58
Europe	Le Vaudreuil (France)	Italy	0.22	0.20
Europe	Le Vaudreuil (France)	Netherlands	0.10	0.03
Europe	Le Vaudreuil (France)	Spain	0.02	0.01
LATAM	Querétaro (Mexico)	Mexico	4.26	4.13
LATAM	Querétaro (Mexico)	U.S.A.	1.18	1.27
LATAM	Querétaro (Mexico)	Austria	0.39	0.35
Europe	Kkyne (Czech Republic)	Austria	1.73	2.01
Europe	Kkyne (Czech Republic)	Belgium	1.61	1.71
Europe	Kkyne (Czech Republic)	Netherlands	0.66	0.74
Europe	Kkyne (Czech Republic)	United Kingdom	0.32	0.36
North America	Libertyville, IL (U.S.A.)	U.S.A.	4.19	4.54
North America	Cary, IL (U.S.A.)	U.S.A.	4.09	3.48
North America	Cary, IL (U.S.A.)	Belgium	0.09	0.10
Europe	Radolfzell (Germany)	Belgium	2.05	2.03
Europe	Radolfzell (Germany)	Germany	0.55	0.20
Europe	Radolfzell (Germany)	Netherlands	0.49	0.45
Europe	Radolfzell (Germany)	Austria	0.39	0.38
Europe	Radolfzell (Germany)	Switzerland	0.01	0.01
Europe	Le Neubourg (France)	France	2.80	2.18
Europe	Menden (Germany)	Germany	2.51	0.29
Europe	Menden (Germany)	Netherlands	0.26	1.57

REGION	APTAR FACILITY	VENDOR COUNTRY	% OF APTAR'S 2018 TOTAL RESIN SPEND	% OF APTAR'S 2018 TOTAL RESIN VOLUME
Europe	Leeds, United Kingdom	United Kingdom	1.37	1.40
Europe	Leeds, United Kingdom	Netherlands	1.26	1.04
Europe	Oyonnax (France)	France	1.86	0.10
Europe	Oyonnax (France)	Switzerland	0.35	0.10
Europe	Oyonnax (France)	Netherlands	0.06	0.07
Europe	Oyonnax (France)	Germany	0.05	0.01
Europe	Vladimir (Russia)	Austria	1.89	2.25
Europe	Vladimir (Russia)	Belgium	0.26	0.27
Europe	Vladimir (Russia)	Russian Fed.	0.16	0.20
Northeast Asia	Suzhou (China)	Hong Kong	1.79	2.19
Northeast Asia	Suzhou (China)	China	0.40	0.31
Northeast Asia	Suzhou (China)	U.S.A.	0.05	0.05
Northeast Asia	Suzhou (China)	Italy	0.05	0.04
North America	Torrington, CT (U.S.A.)	U.S.A.	1.55	1.46
LATAM	Berazategui, Argentina	Argentina	0.96	0.94
LATAM	Berazategui, Argentina	Brazil	0.42	0.42
LATAM	Berazategui, Argentina	U.S.A.	0.02	0.02
North America	McHenry, IL (U.S.A.)	U.S.A.	1.40	1.48
Europe	Torello (Spain)	Spain	0.66	0.70
Europe	Torello (Spain)	Austria	0.52	0.55
Europe	Torello (Spain)	Belgium	0.08	0.07
Europe	Torello (Spain)	Netherlands	0.04	0.03
Europe	Dortmund (Germany)	Germany	0.65	0.61
Europe	Dortmund (Germany)	Austria	0.31	0.36
Europe	Dortmund (Germany)	Netherlands	0.18	0.20
Europe	Verneuil (France)	France	0.95	0.85
Europe	Mezzovico (Switzerland)	Belgium	0.37	0.36
Europe	Mezzovico (Switzerland)	Netherlands	0.14	0.12
Europe	Mezzovico (Switzerland)	Italy	0.12	0.11
Europe	Mezzovico (Switzerland)	Austria	0.03	0.02
Europe	Poincy (France)	France	0.50	0.62
North America	Stratford, CT (U.S.A.)	U.S.A.	0.16	0.13
Northeast Asia	Suzhou (China)	China	0.08	0.06
Northeast Asia	Suzhou (China)	Italy	0.04	0.03
Northeast Asia	Suzhou (China)	Hong Kong	0.04	0.05
North America	Congers, NY (U.S.A.)	U.S.A.	0.01	0.01
Aptar Global Total			100.00	100.00

200 ECONOMIC DISCLOSURES

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 205 ANTI-CORRUPTION

Management Approach

The reporting organization shall report its management approach for anti-corruption using GRI 103: Management Approach.

Aptar has several alternatives for reporting allegations of corruption. First, Aptar has an independent third-party SAAS whistleblower hotline. This hotline allows users to report allegations across the globe in many different languages. Users have the ability to report anonymously. Second, employees also have the ability to report allegations of corruption through Aptar's Compliance Officers. Third, employees can report allegations of corruption through their managers or through their local human resources department. Fourth, employees can report allegations of corruption to the Audit Committee Chairman (contact info is listed in Aptar's Compliance Manual).

- | | | |
|--------------|--|---|
| 205-1 | <ul style="list-style-type: none"> a. Total number and percentage of operations assessed for risks related to corruption. b. Significant risks related to corruption identified through the risk assessment. | <ul style="list-style-type: none"> a. All of our operations are assessed for risks related to corruption. See Appendix for a list of operations. b. As of the date the system launched, Aptar does not have any corruption risks identified through the risk assessment. |
|--------------|--|---|



TABLE 205-2 ANTI-CORRUPTION TRAINING

METRIC	SOURCE	2017						
		Asia (includes India, Indonesia, Thailand, China and Japan)		Continental Europe (includes Switzerland and Russia)		Latin America (includes Mexico)		North
		TOTAL #	%	TOTAL #	%	TOTAL #	%	TOTAL #
Governance body members that anti-corruption policies and procedures have been communicated to	Communication occurred in 2015	2	100.00	8	100.00	2	100.00	12
Governance body members that have received training on anti-corruption	Training occurred in 2015	2	100.00	7	87.00	1	100.00	12
Employees that Aptar's anti-corruption policies and procedures have been communicated to	eLearning participants in 2015	263	100.00	1351	100.00	280	50.00	9
Employees that have received training on anti-corruption	eLearning participants in 2015	261	99.62	1323	97.93	260	100.00	502

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 205 ANTI-CORRUPTION

- 205-2**
- a. Total number and percentage of governance body members that the organization's anti-corruption policies and procedures have been communicated to, broken down by region.
 - b. Total number and percentage of employees that the organization's anti-corruption policies and procedures have been communicated to, broken down by employee category and region.
 - c. Total number and percentage of business partners that the organization's anti-corruption policies and procedures have been communicated to, broken down by type of business partner and region. Describe if the organization's anti-corruption policies and procedures have been communicated to any other persons or organizations.
 - d. Total number and percentage of governance body members that have received training on anti-corruption, broken down by region.
 - e. Total number and percentage of employees that have received training on anti-corruption, broken down by employee category and region.

Please see **Table 205-2**.

This chart illustrates the total number and percentage of governance body members and targeted employees to which the organization's anti-corruption policies and procedures have been communicated, as broken down by region. We provided training on anti-corruption policies by means of presentations and through an eLearning platform. In 2016, we initiated worldwide training on the Aptar Compliance Manual. This training is ongoing, but as of December 31, 2017, we had achieved 963 completion events.

Due to limitations with our reporting systems, and the multiple methods by which they are communicated at the site-level, we are not currently able to provide data on the overall number of employees who have received communications and training regarding the anti-corruption policies and procedures, beyond that of our identified target audiences.



		2016							
America		Asia (includes India, Indonesia, Thailand, China and Japan)		Continental Europe (includes Switzerland and Russia)		Latin America (includes Mexico)		North America	
%	SOURCE	TOTAL #	%	TOTAL #	%	TOTAL #	%	TOTAL #	%
100.00	Communication occurred in 2015	2	100.00	8	100.00	2	100.00	12	100.00
75.00	Training occurred in 2015	2	100.00	7	87.00	1	50.00	9	75.00
100.00	eLearning participants in 2015	263	100.00	1351	100.00	280	100.00	502	100.00
97.41	eLearning participants in 2015	261	99.62	1323	97.93	260	92.86	489	97.41

200 ECONOMIC DISCLOSURES

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 205 ANTI-CORRUPTION		
205-3	<ul style="list-style-type: none"> a. Total number and nature of confirmed incidents of corruption. b. Total number of confirmed incidents in which employees were dismissed or disciplined for corruption. c. Total number of confirmed incidents when contracts with business partners were terminated or not renewed due to violations related to corruption. d. Public legal cases regarding corruption brought against the organization or its employees during the reporting period and the outcomes of such cases. 	<ul style="list-style-type: none"> a. As of the date the system launched, Aptar does not have any confirmed incidents of corruption. b. As of the date the system launched, Aptar does not have any confirmed incidents in which employees were dismissed or disciplined for corruption. c. As of the date the system launched, Aptar does not have any confirmed incidents when contracts with business partners were terminated or not renewed due to violations related to corruption. d. As of the date the system launched, Aptar does not have any public legal cases regarding corruption brought against the organization or its employees during the reporting period.



GRI 206 ANTI-COMPETITIVE BEHAVIOR

Management Approach

The reporting organization shall report its management approach for anti-competitive behavior using GRI 103: Management Approach.

Aptar has several alternatives for reporting allegations of anti-competitive behavior. First, Aptar has an independent third-party SAAS whistleblower hotline. This hotline allows users to report allegations across the globe in many different languages. Users have the ability to report anonymously. Second, employees also have the ability to report allegations of anti-competitive behavior through Aptar's Compliance Officers. Third, employees can report allegations of anti-competitive behavior through their managers or through their local human resources department. Finally, employees can report allegations of anti-competitive behavior to the Audit Committee Chairman (contact info is listed in Aptar's Compliance Manual).

206-1	<ul style="list-style-type: none"> a. Number of legal actions pending or completed during the reporting period regarding anti-competitive behavior and violations of anti-trust and monopoly legislation in which the organization has been identified as a participant. b. Main outcomes of completed legal actions, including any decisions or judgments. 	<ul style="list-style-type: none"> a. As of the date the system launched, Aptar does not have any legal actions pending or completed regarding anti-competitive behavior or violations of anti-trust and monopoly legislation. b. Not applicable
--------------	---	--



300 ENVIRONMENTAL TOPICS

TOPIC

REPORTING REQUIREMENT

APTAR'S RESPONSE

GRI 301 MATERIALS

Management Approach

The reporting organization shall report its management approach for materials using GRI 103: Management Approach.

Our sustainable materials investigations play an increasingly important role in researching and developing new resins for packaging. In 2015, Aptar began trials of certain bioresins and Post-Consumer Recycled (PCR) resin at research facilities in Europe and the U.S.A. We began several trial programs using bioresins, and also are finding customers interested in the environmental benefits of their use. In 2015, we conducted trials of Post-Consumer Recycled (PCR) resin at varying percentages. This work continued in 2016, and in early Q2 of 2017 we brought a 50/50 closure to market. While we do not currently have mechanisms in place to enable aggregated reporting of materials used, here are a few examples of additional activities from 2017:

- We executed several additional trials for the application of bio-based resins in our GS and GSA dispensers. In partnership, a few customers are testing these with us.
- We began efforts to qualify individual components: closure, actuator and dip tube made of bio-based resins. The idea is, once assembled into a complete dispenser, approximately 50 percent would be bio-based resin, depending on the model of pump.
- We continued to test PCR and (Post-Industrial) PIR resins on several products both independently and in partnership with various customers.
- When the process and specifications allow, we reuse non-conforming product within our own manufacturing facilities by grinding and reintroducing the material back into the molding process.

300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 302 ENERGY		
Management Approach	The reporting organization shall report its management approach for energy using GRI 103: Management Approach.	<p>Aptar uses an SAP-based Business Intelligence module to track energy, waste and water metrics. All manufacturing facilities and warehouses are required to report these metrics on a monthly basis, and are given a lag period of one month plus five days to submit figures. Metrics are reported according to Aptar definitions and using utility invoices and purchasing records. At least quarterly the information is reviewed at the corporate level in order to score energy performance according to the global sustainability scorecard, and with the baseline year being 2014. Energy targets are incorporated into performance plans at several levels of the business, including those of our Segment Presidents.</p> <p>Aptar tracks environmental metrics for all manufacturing facilities, warehouses and joint ventures in which Aptar holds 51 percent or greater ownership. We do not currently require our office locations in Crystal Lake, IL U.S.A., Louveciennes, France or Milton Keynes, UK to report environmental metrics through the SAP BI system. Further, we do not require our research and development lab in Baltimore, Maryland U.S.A. to report because that lab is a small room in a larger building. Aptar Next Breath (Baltimore) consumption values are very minimal compared to Aptar global values, and we cannot currently isolate their metrics because of the building structure.</p> <p>Given the addition of the three Mega Airless facilities to our portfolio in 2016, for comparison purposes we needed to re-establish our 2014 baseline values to account for the additional consumption. However, we do not have access to 2014 consumption totals from these sites. We therefore assumed similar values as reported by the sites for 2015, and added the 2015 electricity, natural gas and fuel consumption totals for these sites into our 2014 base line totals.</p> <p>During the current year, Aptar recalculated GHGs based on Scope 2 – Market based considering corrections for the intensity and absolute carbon emissions due to additional information received on the RECs and EECS calculation. In addition, Aptar corrected the total quantity of invoiced quantities (period 2014-2017) that generated corrections in the intensity values.</p>

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 302 ENERGY

- 302-1**
- a. Total fuel consumption within the organization from non-renewable sources, in joules or multiples, and including fuel types used.
 - b. Total fuel consumption within the organization from renewable sources, in joules or multiples, and including fuel types used.
 - c. In joules, watt-hours or multiples, the total:
 - i. Electricity consumption
 - ii. Heating consumption
 - iii. Cooling consumption
 - iv. Steam consumption
 - d. In joules, watt-hours or multiples, the total:
 - i. Electricity sold
 - ii. Heating sold
 - iii. Cooling sold
 - iv. Steam sold
 - e. Total energy consumption within the organization, in joules or multiples.
 - f. Standards, methodologies, assumptions, and/or calculation tools used.
 - g. Source of the conversion factors used.

In 2017, we launched enhancements to our SAP BI metrics collection system. The system presents the additional categories of fuel oil and refrigerants. Conversion factors are based on DEFRA database (publication date 2017).

Most of the conversion factors used are prepopulated standards within the SAP system (based on US Energy Information Administration). Energy specific emissions factors, in according GHGs, are based on the International Energy Agency report (publication date 2017 – representing 2015 data based on AR5 report from IPCC), RE-DISS II (publication date 2015 – representing EFs for 2014), e-GRID (publication date 2018 – representing EFs for 2016) and were reviewed as part of the third-party data verification activities.

A chart showing our renewable electricity sources is given on [page 56](#).

Please see **Table 302-1** below.



TABLE 302-1 ABSOLUTE ENERGY CONSUMPTION (KWH)

	% VARIATION 2017 VERSUS 2016	% VARIATION 2017 VERSUS BASE 2014	2017	2016	2015	2014
Electricity (renewable)	13	1937	172,794,730	152,276,737	140,734,026	8,481,700
Electricity (non-renewable)	-10	-34	313,554,239	348,608,693	361,887,494	477,903,092
Total electricity	-3	0	486,348,969	500,885,430	502,621,520	486,384,792
Natural gas	-6	-14	69,406,960	73,764,903	80,566,774	80,489,023
Fuels	104	102	14,124,157	6,907,351	5,693,354	6,997,258
Total energy consumption (absolute)	-2	-1	569,880,085	581,557,683	588,881,648	573,871,073

300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 302 ENERGY

- 302-2**
- a. Energy consumption outside of the organization, in joules or multiples.
 - b. Standards, methodologies, assumptions, and/or calculation tools used.
 - c. Source of the conversion factors used.

Aptar responds to the CDP Climate Change questionnaire on an annual basis. Information about energy consumption outside of the organization are included within our response.



- 302-3**
- a. Energy intensity ratio for the organization.
 - b. Organization-specific metric (the denominator) chosen to calculate the ratio.
 - c. Types of energy included in the intensity ratio; whether fuel, electricity, heating, cooling, steam, or all.
 - d. Whether the ratio uses energy consumption within the organization, outside of it, or both.

- a. Please see **Table 302-3** below.
- b. All environmental sustainability metrics are currently normalized to quantities of parts invoiced. Within our CDP Climate Change response, we also normalize by revenue and Full Time Equivalents (FTEs). Accuracy of Invoiced Quantities reported through the metrics collection system is approximately +/-5 percent. Invoiced Quantities for Aptar Brecey and Granville are added to totals by submitting a request for service ticket to the Information Systems helpdesk, ServiceNow.
- c. Aptar considers total energy consumption to be electricity + fuel oil + natural gas.
- d. For the purpose of our total energy consumption calculations and reporting through our sustainability scorecard, we consider energy consumption within the organization.



TABLE 302-3 INTENSITY ENERGY CONSUMPTION (KWH/IQ(TH))

	% VARIATION 2017 VERSUS 2015	% VARIATION 2017 VERSUS BASE 2014	2017	2016	2015	2014
Electricity (renewable) intensity	6	1809	3.59	3.38	3.11	0.19
Electricity (non-renewable) intensity	-16	-39	6.52	7.74	7.99	10.61
Total electricity intensity	-9	-6	10.11	11.12	11.10	10.79
Natural gas intensity	-12	-19	1.44	1.64	1.78	1.79
Fuels intensity	91	89	0.29	0.15	0.13	0.16
Total energy consumption (intensity)	-8	-7	11.8	12.9	13.0	12.7

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 303 WATER

<p>Management Approach</p> <p>The reporting organization shall report its management approach for water using GRI 103: Management Approach.</p>		<p>Water is not identified as a material indicator by our stakeholders nor is it a key raw material component in our processes. Nevertheless, we do collect withdraw and discharge water metrics from all sites on a monthly basis and report this information in the CDP Water questionnaire. For reporting year 2016, data for which was reported in 2017, we received a “B” letter grade on our CDP water response. Readers are invited to learn more about our water programs within our Annual CDP responses.</p>
--	---	--

GRI 304 BIODIVERSITY

<p>Management Approach</p> <p>The reporting organization shall report its management approach for Biodiversity using GRI 103: Management Approach.</p>		<p>Our sustainable commitment plays an increasingly important role on the biodiversity protection also. In 2017, Aptar began the investigation of environmental impact of its production processes to the biodiversity (terrestrial and freshwater) thanks to the use of Life Cycle approaches that allowed us to quantify these impacts linked to the use of our main inputs (electrical energy, natural gas and fuels oil) used in the direct activities. The use of life cycle impact assessment methodology, included in the appropriate LCA tool, allowed the identification of environmental impact indicator for the biodiversity protection.</p>
---	--	--

<p>304-1</p>	<p>Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas</p>	<p>Not currently available</p>
<p>304-2</p>	<p>Significant impacts of activities, products, and services on biodiversity</p>	<p>Aptar identified and quantified the impact on the terrestrial and freshwater ecosystem due to climate change effects for the production of electrical energy, fuels and natural gas used in its direct processes. The impact assessment methodology used is ReCiPe (version 2016), where is possible the identification of the ecosystem quality expressed as ‘local species loss integrated over time (species year)’.</p>



300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 304 BIODIVERSITY		
304-3	Habitats protected or restored	Not currently available
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations	Not currently available

GRI 305 EMISSIONS

Management Approach

The reporting organization shall report its management approach for emissions using GRI 103: Management Approach.

In addition to the information provided in GRI 302, we calculate greenhouse gas emissions according to the accounting standards within the Greenhouse Gas Protocol. For the reporting year emissions, we have applied emissions factors from the e-GRID (publication date 2018 – representing EFs for 2016) to our sites in the United States. We have applied factors from RE-DISS II (publication date 2015 – representing EFs for 2014) to our sites in the United Kingdom and Czech Republic. All other sites were assigned emissions factors from the DEFRA database (publication date 2017). We have estimated emissions from refrigerants sources with information provided by a sampling of sites, each of which reported minimal releases of R134a from units such as air conditioning systems and chillers. The emissions factor applied is taken from the 5th IPCC Assessment Report of the Greenhouse Gas Protocol.

Ozone Depleting Substances are not identified as a material indicator by our stakeholders. Nevertheless, we collect data regarding refrigerants lost to the atmosphere at the site level and report consolidated information to the global level at least once annually. In 2017 we consolidated the improvements of our metrics collection system to capture refrigerant losses. The metrics collection system identifies different types of refrigerants: R22, R407C, R410, R134, R404, and “other”.



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 305 EMISSIONS

305-1	<ul style="list-style-type: none"> a. Gross direct (Scope 1) GHG emissions in metric tons of CO₂ equivalent. b. Gases included in the calculation; whether CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, or all. c. Biogenic CO₂ emissions in metric tons of CO₂ equivalent. d. Base year for the calculation, if applicable, including: <ul style="list-style-type: none"> i. The rationale for choosing it; ii. Emissions in the base year; iii. The context for any significant changes in emissions that triggered recalculations of base year emissions. e. Source of the emission factors and the global warming potential (GWP) rates used, or a reference to the GWP source. f. Consolidation approach for emissions; whether equity share, financial control, or operational control. g. Standards, methodologies, assumptions, and/or calculation tools used. 	<ul style="list-style-type: none"> a. Please see Table 305-1&2 below. b. Aptar considered GHGs emissions expressed as CO₂ equivalent c. Not applicable d. Unless noted otherwise, we consider 2014 our base year for sustainability metrics as this is the year we first began working on our GRI-based sustainability scorecard. More information about this decision, and the introduction of the scorecard in general, was reported within our 2016 Corporate Sustainability Report. As indicated by the updated values displayed in the tables, we have made significant improvement to our metrics collection processes since 2014. We are therefore considering a new baseline year for future calculations. e. Aptar used DEFRA database (publication date 2017) as source of the emission factors and GWP rates based on the 5th Assessment Report of IPCC. f. Operational control. g. Calculations were made according to the Greenhouse Gas Protocol accounting standards.
--------------	---	--



TABLE 305-1&2 ABSOLUTE GHGS EMISSIONS (t CO₂ eq)

GHGS EMISSIONS (TONNES CO ₂ eq)	% VARIATION 2017 VERSUS 2016	% VARIATION 2017 VERSUS BASE 2014	2017	2016 UPDATED VALUES	2016	2015	2014
Aptar location-based SCOPE 2 TOTAL	-13	-9	158,155	181,737	181,737	184,992	174,306
Aptar market-based (with EECS and RECs) SCOPE 2 TOTAL	-8		146,242	159,208	155,134	166,665	
SCOPE 1 from natural gas	-5		12,782	13,482	13,482		
SCOPE 1 from fuels	146		4,188	1,699	1,699		
SCOPE 1 from natural gas + fuels	11	-3	16,970	15,271	15,271	18,828	17,476
SCOPE 1 refrigerants	-18		638	780	780		
SCOPE 1 from natural gas + fuels + refrigerants	10		17,608	16,051	16,051		
Aptar Scope 1 + 2 TOTAL	-7	-15	163,850	175,259	171,185	185,493	191,782

300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 305 EMISSIONS

<p>305-2</p>	<p>a. Gross direct (Scope 2) GHG emissions in metric tons of CO₂ equivalent.</p> <p>b. Gases included in the calculation; whether CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, or all.</p> <p>c. Biogenic CO₂ emissions in metric tons of CO₂ equivalent.</p> <p>d. Base year for the calculation, if applicable, including:</p> <ol style="list-style-type: none"> The rationale for choosing it; Emissions in the base year; The context for any significant changes in emissions that triggered recalculations of base year emissions. <p>e. Source of the emission factors and the global warming potential (GWP) rates used, or a reference to the GWP source.</p> <p>f. Consolidation approach for emissions; whether equity share, financial control, or operational control.</p> <p>g. Standards, methodologies, assumptions, and/or calculation tools used.</p>	<p>a. Please see Table 305-1&2 on previous page.</p> <p>b. Aptar considered GHGs emissions expressed as CO₂ equivalent</p> <p>c. Not applicable</p> <p>d. Unless noted otherwise, we consider 2014 our base year for sustainability metrics as this is the year we first began working on our GRI-based sustainability scorecard. More information about this decision, and the introduction of the scorecard in general, was reported within our 2016 Corporate Sustainability Report. As indicated by the updated values displayed in the tables, we have made significant improvement to our metrics collection processes since 2014. We are therefore considering a new baseline year for future calculations.</p> <p>e. Aptar calculate greenhouse gas emissions according to the accounting standards within the Greenhouse Gas Protocol. For the reporting year 2017 emissions, we have applied emissions factors from the eGRID standard (publication date 2018 – representing EFs for 2016) to our sites in the United States. We have applied, only to market-based emissions, factors from RE-DISS II (publication date 2015 – representing EFs for 2014) to our sites in the United Kingdom and Czech Republic. All other sites were assigned emissions factors from IEA (publication date 2017 – representing 2015 data based on AR5 report from IPCC). The Global Warming Potential rates applied to refrigerants is based on the 5th Assessment Report of IPCC.</p> <p>f. Operational control.</p> <p>g. Calculations were made according to the Greenhouse Gas Protocol accounting standards.</p>
---------------------	---	---



<p>305-3</p>	<p>a. Gross direct (Scope 3) GHG emissions in metric tons of CO₂ equivalent.</p>
---------------------	---

Aptar responds to the CDP Climate Change questionnaire on an annual basis. Information about our Scope 3 emissions are included within our response.



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 305 EMISSIONS

- | | | |
|---------------------|--|---|
| <p>305-4</p> | <p>a. GHG emissions intensity ratio for the organization.
 b. Organization-specific metric (the denominator) chosen to calculate the ratio.
 c. Types of GHG emissions included in the intensity ratio; whether direct (Scope 1), energy indirect (Scope 2), and/or other indirect (Scope 3).
 d. Gases included in the calculation; whether CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃, or all.</p> | <p>a. See Table 305-4 below
 b. All environmental sustainability metrics are currently normalized to quantities of parts invoiced. Within our CDP Climate Change response, we also normalize by revenue and Full Time Equivalents (FTEs). Accuracy of Invoiced Quantities reported through the metrics collection system is approximately +/-5 percent. Invoiced Quantities for Aptar Brecey and Granville are added to totals by submitting a request for service ticket to the Information Systems helpdesk, ServiceNow.
 c. Aptar responds to the CDP Climate Change questionnaire on an annual basis. Information about the initiatives that enable us to achieve reduction in carbon emissions are included within our response.
 d. Aptar considered GHGs emissions expressed as CO₂ equivalent</p> |
|---------------------|--|---|



- | | | |
|---------------------|---|--|
| <p>305-5</p> | <p>a. GHG emissions reduced as a direct result of reduction initiatives, in metric tons of CO₂ equivalent.</p> | <p>a. Aptar responds to the CDP Climate Change questionnaire on an annual basis. Information about the initiatives that enable us to achieve reduction in carbon emissions are included within our response.</p> |
|---------------------|---|--|



TABLE 305-4 INTENSITY CARBON EMISSIONS (t CO₂ eq/IQ as thousands)

TONNES CO ₂ eq/IQ AS THOUSANDS	% VARIATION OF 2017 VERSUS 2016	% VARIATION 2017 VERSUS BASE 2014	2017	2016 UPDATED VALUES	2016	2015	2014
SCOPE 1, natural gas + fuels	4	-9	0.0004	0.0003	0.0003	0.0004	0.0004
SCOPE 1, estimated refrigerants	-23		1.33E-05	1.73E-05	1.73E-05		
SCOPE 1, natural gas + fuels + refrigerants	3		0.0004	0.0004	0.0004		
SCOPE 2 location-based	-19	-15	0.0033	0.0040	0.0040	0.0041	0.0039
SCOPE 2 market-based (including EECS and RECs)	-15		0.0030	0.0036	0.0034	0.0037	
Aptar Scope 1 + 2 TOTAL	-10	-20	0.0034	0.0038	0.0038	0.0041	0.0043

300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 305 EMISSIONS		
305-6	a. Production, imports, and exports of ODS in metric tons of CFC-11 (trichlorofluoromethane) equivalent.	Ozone Depleting Substances are not identified as a material indicator by our stakeholders. Nevertheless, we collect data regarding refrigerants lost to the atmosphere at the site level and report consolidated information to the global level at least once annually. In 2017, we consolidated the improvements of our metrics collection system to capture refrigerant losses. The metrics collection system identifies different types of refrigerants: R22, R407C, R410, R134, R404, and "other".
		
305-7	a. Significant air emissions of nitrogen oxides (NOX), sulfur oxides (SOX), and others.	The emission of nitrogen oxides and sulfur oxides has been considered and calculated as CO ₂ equivalent.

SITES WITH RENEWABLE ELECTRICITY SOURCES

COUNTRY	APTAR SITE	RENEWABLE SOURCE	COUNTRY	APTAR SITE	RENEWABLE SOURCE
CT, U.S.A.	Aptar Stratford	Wind power	France	Aptar Verneuil	Hydropower
CT, U.S.A.	Aptar Torrington	Wind power	Germany	Aptar Radolfzell	Hydropower
IL, U.S.A.	Aptar Cary	Wind power	Germany	Aptar Dortmund	Hydropower
IL, U.S.A.	Aptar Libertyville	Wind power	Germany	Aptar Menden	Hydropower
NY, U.S.A.	Aptar Congers	Wind power	Ireland	Aptar Ballinasloe	Wind power
France	Aptar Annecy	Hydropower	Italy	Aptar Chieti	Hydropower
France	Aptar Brecey	Hydropower	Italy	Aptar Pescara	Hydropower
France	Aptar Charleval	Hydropower	Switzerland	Aptar Mezzovico	Hydropower
France	Aptar Granville	Hydropower			
France	Aptar Le Neubourg	Hydropower			
France	Aptar Le Vaudreuil	Hydropower			
France	Aptar Oyonnax	Hydropower			
France	Aptar Poincy	Hydropower			



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 306 EFFLUENTS AND WASTE

Management Approach

The reporting organization shall report its management approach for effluents and waste using GRI 103: Management Approach.

Aptar uses an SAP-based Business Intelligence module to track energy, waste and water metrics. All manufacturing facilities and warehouses are required to report these metrics on a monthly basis, and are given a lag period of one month plus five days to submit figures. Metrics are reported according to Aptar definitions and using utility invoices and purchasing records. At least quarterly the information is reviewed at the corporate level in order to score energy performance according to the global sustainability scorecard, and with the baseline year being 2014. Energy targets are incorporated into performance plans at several levels of the business, including those of our Segment Presidents.

Aptar tracks environmental metrics for all manufacturing facilities, warehouses and joint ventures in which Aptar holds 51 percent or greater ownership. We do not currently require our office locations in Crystal Lake, IL U.S.A., Louveciennes, France or Milton Keynes, UK to report environmental metrics through the SAP BI system. Further, we do not require our research and development lab in Baltimore, Maryland U.S.A. to report because that lab is a small room in a larger building. Aptar Next Breath (Baltimore) consumption values are very minimal compared to Aptar global values, and we cannot currently isolate their metrics because of the building structure.

Given the addition of the three Mega Airless facilities to our portfolio in 2016, for comparison purposes we needed to re-establish our 2014 baseline values to account for the additional consumption. However, we do not have access to 2014 consumption totals from these sites. We therefore assumed similar values as reported by the sites for 2015, and added the 2015 electricity, natural gas and fuel consumption totals for these sites into our 2014 base line totals.

During the current year, Aptar recalculated GHGs based on Scope 2 – Market based considering corrections for the intensity and absolute carbon emissions due to additional information received on the RECs and EECS calculation. In addition, Aptar corrected the total quantity of invoiced quantities (period 2014-2017) that generated corrections in the intensity values.



300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 306 EFFLUENTS AND WASTE

306-1 a. Total volume of planned and unplanned water discharges.

Water is not identified as a material indicator by our stakeholders. Nevertheless, we do collect withdraw and discharge water metrics from all sites on a monthly basis and, when requested by customers, we report this information in the CDP Water questionnaire.



- 306-2** a. Total weight of hazardous waste, with a breakdown by the following disposal methods where applicable:
- i. Reuse
 - ii. Recycling
 - iii. Composting
 - iv. Recovery, including energy recovery
 - v. Incineration (mass burn)
 - vi. Deep well injection
 - vii. Landfill
 - viii. On-site storage
 - ix. Other (to be specified by the organization)
- b. Total weight of non-hazardous waste, with a breakdown by the following disposal methods where applicable:
- i. Reuse
 - ii. Recycling
 - iii. Composting
 - iv. Recovery, including energy recovery
 - v. Incineration (mass burn)
 - vi. Deep well injection
 - vii. Landfill
 - viii. On-site storage
 - ix. Other (to be specified by the organization)
- c. How the waste disposal method has been determined:
- i. Disposed of directly by the organization, or otherwise directly confirmed
 - ii. Information provided by the waste disposal contractor
 - iii. Organizational defaults of the waste disposal contractor

Established in 2013, and based off of the Zero Waste International Alliance protocol, Aptar's internal Landfill Free program encourages the reduction, reuse and recycling of waste byproducts from our manufacturing processes. Since 2013, the program has become a focus initiative that is integrated into our global strategy.

As of year-end 2017, 22 Aptar locations had achieved landfill free certification. These sites have proven, by third-party verification audit, at least 90 percent recycle/reuse of operational wastes. Aptar actively encourages all sites to reduce waste, and aims to continue increasing the number of landfill free facilities in the future and thus, the availability of data on disposal methods. The certification program requires an on-site audit of any waste vendor that processes more than 33 percent of a facility's total waste.

In 2017, we introduced enhancements to the SAP Business Intelligence system to include the addition of more waste categories in order to align the waste categorizations to that required within our Landfill Free program.

Aptar collects data regarding waste disposal amounts from all locations globally on a monthly basis, including total non-hazardous waste to landfill and total hazardous waste. However, we are currently able to provide detailed disposal method information only at landfill free certified sites, where the data has been verified by a third-party. Records specific to each waste stream are maintained at the site level, but these details are not currently visible in the corporate metrics reporting system.

Please see **Table 306-2A and B**.



TABLE 306-2A LANDFILL FREE RATIOS

APTAR SITE	COUNTRY	SUSTAINABILITY REGION	CERTIFICATION YEAR	2014 TOTAL LANDFILL FREE %	2015 TOTAL LANDFILL FREE %	2016 TOTAL LANDFILL FREE %	2017 TOTAL LANDFILL FREE %
Ballinasloe	Ireland	Europe - B+H	2017				94.4
Cali	Colombia	Latin America	2017				99.1
Cajamar	Brazil	Latin America	2016		100.0	100.0	100.0
Maringa	Brazil	Latin America	2016		99.5	100.0	99.8
Cary Campus	U.S.A., IL	North America	2016		93.5	93.2	92.1
Libertyville	U.S.A., IL	North America	2016		92.5	95.0	97.8
Lincolnton	U.S.A., NC	North America	2016		94.5	96.0	95.2
Ckyne	Czech Republic	Europe - F+B	2015		91.3	93.6	97.2
Le Neubourg	France	Europe - B+H	2015		95.6	94.0	95.8
Le Vaudreuil	France	Europe - Pharma	2015		95.5	96.0	93.9
Mezzovico	Switzerland	Europe - Pharma	2015		92.5	94.2	94.5
Queretaro	Mexico	Latin America	2015		96.2	99.0	98.8
Stratford	U.S.A., CT	North America	2015		99.2	94.0	98.9
Mukwonago	U.S.A., WI	North America	2015		94.5	94.6	97.3
Charleval	France	Europe - B+H	2014	91.5	96.1	94.9	97.7
Poincy	France	Europe - B+H	2014	92.2	96.8	94.5	94.2
Verneuil	France	Europe - B+H	2014	91.3	95.9	92.3	98.4
Dortmund	Germany	Europe - B+H	2014	92.6	100.0	99.0	99.9
Menden	Germany	Europe - B+H	2014	98.9	100.0	96.0	99.7
Chieti	Italy	Europe - B+H	2014	97.7	98.9	99.0	92.8
Pescara	Italy	Europe - B+H	2014	96.1	96.7	97.0	92.7
Torrello	Spain	Europe - B+H	2014	93.8	96.5	96.1	98.0

TABLE 306-2B LANDFILL FREE TOTALS (METRIC TONS)

APTAR LANDFILL FREE GLOBAL TOTALS	2015	2016	2017	% VARIANCE 2017 VERSUS 2016	% VARIANCE 2017 VERSUS 2015
To Disposal (Landfill)	990	1,210	1,080	-10.72	9.11
To Recovery (Recycle)	30,428	33,626	47,515	41.30	56.15
Total	31,418	34,836	48,595	39.50	54.67

300 ENVIRONMENTAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 306 EFFLUENTS AND WASTE		
306-3	a. Total number and total volume of recorded significant spills.	Aptar experienced no significant spills during the reporting year.
306-4	a. Total weight for each of the following: <ul style="list-style-type: none"> i. Hazardous waste transported ii. Hazardous waste imported iii. Hazardous waste exported iv. Hazardous waste treated 	Hazardous waste volumes are tracked at the site level.
306-5	a. Water bodies and related habitats that are significantly affected by water discharges and/or runoff.	Not applicable
GRI 307 ENVIRONMENTAL COMPLIANCE		
Management Approach		
<p>The reporting organization shall report its management approach for environmental compliance using GRI 103: Management Approach.</p>		<p>Environmental compliance is managed at the site level, in alignment with Aptar's Global EHS Management System (page 8). In 2016, a taskforce piloted an EHS compliance audit program in Mukwonago, WI, U.S.A. and Suzhou, China. The Taskforce performed an analysis to rank all Aptar manufacturing sites on risk priority. In January of 2017, Aptar identified a global leader responsible for EHS compliance.</p> <p>In 2017, Aptar began subscribing to global compliance protocol offered through ENHESA. Sites are expected to use the protocol from their country/location to conduct a self-audit at least annually. Also, according to the risk priority list established in 2016, one-third of Aptar sites are audited by a third-party using the ENHESA protocol. In 2017, 17 sites were audited by a third-party against the ENHESA protocol. Sites were provided an audit report and required to establish corrective actions to close each finding. Status check-in calls are conducted frequently between the Regional EHS&S pillar leaders and the plant management.</p> <p>In 2018, we are auditing the next one-third of sites, as well as incorporating an evaluation against the EHS Management System into the third-party audit process. Phase I of the EHS Management System implementation included a focus on Environmental Permits, and as part of that requirement sites must maintain a permitted systems capability tracker.</p>

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 307 ENVIRONMENTAL COMPLIANCE

307-1	<p>a. Significant fines and non-monetary sanctions for non-compliance with environmental laws and/or regulations.</p>	<p>Aptar experienced no significant fines and non-monetary sanctions for non-compliance with environmental laws and/or regulations during the reporting year.</p>
--------------	---	---



GRI 308 SUPPLIER ENVIRONMENTAL ASSESSMENT

Management Approach	
<p>The reporting organization shall report its management approach for supplier environmental assessment using GRI 103: Management Approach.</p>	<p>Aptar recognizes the social and environmental assessment of our suppliers to be a material aspect of business according to our stakeholders. As reported in 2015, we integrated supplier social and environmental screening into the supplier auditing process and began measuring this in North America and Europe as part of our custom-built GRI-based sustainability scorecard. In 2016, we introduced a Sustainable Purchasing Charter which is referenced in Aptar's general terms and conditions of purchase, as well as in our standard purchasing contract templates. Suppliers are asked to acknowledge and sign the agreement if they cannot provide us with a similar internal document which proves ethics and compliance standards meeting Aptar's expectations. In 2017, this charter was made available on Aptar.com in nine languages (English, French, German, Spanish, Russian, Portuguese, Italian, Chinese and Bahasa).</p>

308-1	<p>a. Percentage of new suppliers that were screened using environmental criteria.</p>	<p>In 2016 and 2017, we were piloting our supplier sustainability screening process in North America and Europe. In 2016, we selected a few strategic suppliers to receive a social and environmental screening audit and 100 percent of new suppliers were screened. Other regions also screen suppliers for environmental and social impacts, but these results are currently not consolidated into a global program. In early 2018, representatives of the Operational Excellence Supply Chain, Quality and EHS & Sustainability Pillars came together to plan scaling up the process into a global program. This activity will continue through 2018 as Aptar establishes the screening method for future years.</p>
--------------	--	--

GRI 308 SUPPLIER ENVIRONMENTAL ASSESSMENT

308-2	<p>a. Number of suppliers assessed for environmental impacts. b. Number of suppliers identified as having significant actual and potential negative environmental impacts. c. Significant actual and potential negative environmental impacts identified in the supply chain. d. Percentage of suppliers identified as having significant actual and potential negative environmental impacts with which improvements were agreed upon as a result of assessment. e. Percentage of suppliers identified as having significant actual and potential negative environmental impacts with which relationships were terminated as a result of assessment, and why.</p>	<p>As mentioned above, we have been piloting a supplier screening process. Although we did initially return a few unfavorable results in 2016, upon further investigation and conversation with the suppliers in question we determined the issue to be a problem in the way our scorecard was measuring and assessing the supplier programs, and in how the questions were communicated. In 2018, the supplier screening process became a new dialogue topic within Aptar and we look forward to reporting program improvements in future reports.</p>
--------------	--	---

400 SOCIAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 401 EMPLOYMENT

Management Approach

The reporting organization shall report its management approach for employment using GRI 103: Management Approach.

The **Table 401-1** below illustrates the total number and rate of new employee hires by age group, gender and region, and the rate of employee turnover, by age group, gender and region. The turnover rates include the number of resignations, dismissals, retirements and deaths in service. Percentages are based on the total of Full Time Equivalents (FTEs) per region. While new employee hires stayed relatively consistent, employee turnover decreased from 2016 to 2017. This is because a worldwide benchmark of wage policy led to some adjustments in certain regions, increasing employee loyalty in some regions. We believe these figures to be accurate +/- 10 percent.

- 401-1**
- Total number and rate of new employee hires during the reporting period, by age group, gender and region.
 - Total number and rate of employee turnover during the reporting period, by age group, gender and region.

Please see **Table 401-1** below.



TABLE 401-1 EMPLOYEE NEW HIRE AND TURNOVER RATES

		2017						
REGION	TYPE	AGES <26YR	AGES 26-34	AGES 35-44	AGES 45-54	AGES 55+	MALE	FEMALE
Central Europe	New Employee Hires	55 (2%)	102 (4%)	103 (44%)	105 (4%)	98 (4%)	272 (11%)	191 (8%)
	Employee Turnover	28 (1%)	38 (2%)	36 (1%)	24 (1%)	46 (2%)	80 (3%)	70 (3%)
West Europe	New Employee Hires	108 (3%)	71 (2%)	64 (2%)	40 (1%)	6 (0.2%)	197 (5%)	92 (2%)
	Employee Turnover	27 (0.7%)	42 (1%)	43 (1%)	38 (1%)	73 (2%)	131 (3%)	92 (2%)
South Europe	New Employee Hires	2 (0.3%)	6 (1%)	4 (0.7%)	2 (0.3%)	0 (0%)	11 (2%)	3 (0.5%)
	Employee Turnover	1 (0.2%)	4 (0.7%)	2 (0.3%)	1 (0.2%)	6 (1%)	10 (2%)	4 (0.7%)
North America	New Employee Hires	59 (3%)	87 (4%)	60 (3%)	56 (3%)	29 (2%)	170 (9%)	121 (6%)
	Employee Turnover	95 (5%)	46 (2%)	41 (2%)	6 (0.3%)	63 (3%)	156 (8%)	100 (5%)
China	New Employee Hires	74 (8%)	132 (14%)	40 (4%)	2 (0.2%)	0 (0%)	126 (13%)	122 (13%)
	Employee Turnover	44 (5%)	130 (14%)	42 (5%)	14 (2%)	3 (0.3%)	129 (14%)	104 (11%)
Latin America	New Employee Hires	67 (6%)	66 (6%)	52 (4%)	11 (1%)	0 (0%)	123 (10%)	73 (6%)
	Employee Turnover	39 (3%)	74 (6%)	56 (5%)	19 (2%)	6 (0.5%)	120 (10%)	74 (6%)
Southeast Asia and India	New Employee Hires	26 (5%)	16 (3%)	9 (2%)	1 (0.2%)	1 (0.2%)	43 (8%)	10 (2%)
	Employee Turnover	26 (5%)	48 (9%)	24 (4%)	9 (2%)	1 (0.2%)	69 (12%)	39 (7%)
Aptar Total	New Employee Hires							
	Employee Turnover							

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 402 LABOR/MANAGEMENT RELATIONS

Management Approach

The reporting organization shall report its management approach for labor/management relations using GRI 103: Management Approach.

Notice is given to employees in compliance with the local law or site-specific agreements.

- 402-1**
- Minimum number of weeks' notice typically provided to employees and their representatives prior to the implementation of significant operational changes that could substantially affect them.
 - For organizations with collective bargaining agreements, report whether the notice period and provisions for consultation and negotiation are specified in collective agreements.

- Table 402-1** below illustrates the minimum number of weeks' notice typically provided to employees and their elected representatives prior to the implementation of significant operational changes that could substantially affect them. The notice period depends on the company seniority and on the level of employment. We believe this data to be accurate +/- 10 percent.
- Notice is given to employees in most regions in compliance with the local law, and site-specific agreements reflect these requirements.

TABLE 402-1 NOTICE GIVEN FOR SIGNIFICANT OPERATIONAL CHANGES

REGION	2017		2016	
	MINIMUM NUMBER OF WEEKS' NOTICE	NOTICE PERIOD SPECIFIED IN COLLECTIVE AGREEMENTS	MINIMUM NUMBER OF WEEKS' NOTICE	NOTICE PERIOD SPECIFIED IN COLLECTIVE AGREEMENTS
Central Europe	1 - 28 weeks	Yes, in Freyung and Dortmund/Menden	4-8 weeks	No
West Europe	4 - 12 weeks	Yes	2-12 weeks	Yes
South Europe	1-8 weeks	Yes	1-8 weeks	Yes
North America	0-8 weeks	Yes	0-8 weeks	Yes
China	30 days	No	30 days	No
Latin America	30 days	No	30 days	No
Southeast Asia and India	4-5 weeks	No	4-5 weeks	No

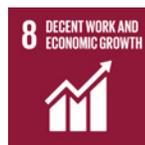
TOTAL	2016						MALE	FEMALE	TOTAL
	AGES <26YR	AGES 26-34	AGES 35-44	AGES 45-54	AGES 55+				
463 (18%)	66 (2.93%)	64 (2.84%)	42 (1.87%)	24 (1.07%)	8 (0.36%)	128 (5.69%)	76 (3.38%)	204 (9.06%)	
172 (7%)	35 (1.55%)	39 (1.73%)	42 (1.87%)	28 (1.24%)	45 (2.0%)	116 (5.15%)	73 (3.24%)	189 (8.4%)	
289 (8%)	126 (3.26%)	107 (2.77%)	79 (2.05%)	43 (1.11%)	8 (0.21%)	248 (6.43%)	115 (2.98%)	363 (9.42%)	
223 (6%)	35 (0.91%)	37 (0.96%)	57 (1.48%)	41 (1.06%)	68 (1.76%)	153 (3.97%)	85 (2.20%)	238 (6.17%)	
14 (2%)	1 (0.16%)	20 (3.24%)	6 (0.97%)	2 (0.32%)	0 (0%)	20 (3.24%)	9 (1.46%)	29 (4.70%)	
14 (2%)	0 (0%)	6 (0.97%)	2 (0.32%)	1 (0.16%)	0 (0%)	6 (0.97%)	3 (0.49%)	9 (1.46%)	
291 (15%)	50 (2.53%)	61 (3.09%)	38 (1.92%)	37 (1.87%)	22 (1.11%)	134 (6.78%)	74 (3.75%)	208 (10.54%)	
256 (13%)	29 (1.47%)	59 (2.99%)	46 (2.33%)	45 (2.28%)	68 (3.44%)	145 (7.34%)	102 (5.16%)	247 (12.51%)	
248 (26%)	45 (4.85%)	69 (7.44%)	15 (1.62%)	2 (0.22%)	0 (0%)	73 (7.87%)	56 (6.03%)	129 (13.9%)	
233 (25%)	61 (6.57%)	106 (11.42%)	28(3.02%)	14 (1.51%)	1 (0.11%)	117 (12.61%)	93(10.02%)	210 (22.63%)	
196 (17%)	69 (5.86%)	99(8.41%)	40(3.4%)	16(1.36%)	2(0.17%)	147 (12.49%)	79 (6.71%)	226 (19.2%)	
194 (16%)	35 (2.97%)	89 (7.56%)	54 (4.59%)	21 (1.78%)	3 (0.25%)	115 (9.77%)	87 (7.39%)	202 (17.16%)	
53 (9%)	29 (4.59%)	23 (3.64%)	10 (1.58%)	2 (0.31%)	0 (0%)	53 (13.35%)	11 (4.70%)	64 (10.14%)	
108 (19%)	23 (3.64%)	51 (8.08%)	18 (2.85%)	2 (0.31%)	1 (0.15%)	56 (14.10%)	37 (15.81%)	93 (14.73%)	
1,554 (12%)								1,223 (11%)	
1,200 (9%)								1,188 (10%)	

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 403 OCCUPATIONAL HEALTH AND SAFETY		
<p>Management Approach</p> <p>The reporting organization shall report its management approach for occupational health and safety using GRI 103: Management Approach.</p>		<p>Aptar identified a Global Environment, Health and Safety leader effective January 1, 2017. In June 2017, Aptar announced the launch of the Operational Excellence group, and EHS & Sustainability is one of the pillars of excellence therein. A network of regional leaders was established, and site-level leaders were identified into roles of safety and environmental contacts.</p> <p>Among other initiatives, one of the key focus areas for the EHS&S pillar in 2017 was to develop a global EHS Management System, setting minimum standard requirements in key areas of safety and environment. Requirements were drafted and published so that any Aptar employee worldwide could comment. After incorporating the suggestions received, the Regional EHS&S leaders published the final Phase I (the first 17 topics) requirements in December 2017.</p> <p>Also In 2017, the EHS&S leaders worked to identify a software provider and tool to help manage the requirements of the Global EHS Management system. A solution was identified and scoping of the first wave of modules, the Incident Management Modules, began in January 2018. Implementation continues on both the EHS Management System and software suite.</p>

- 403-1**
- a. The level at which each formal joint management-worker health and safety committee typically operates within the organization.
 - b. Percentage of workers whose work, or workplace, is controlled by the organization, that are represented by formal joint management-worker health and safety committees.

- a. The health and safety committees typically consist of a combination of local management representatives, (elected) employees representatives and labor union representatives (where applicable).
- b. In 2017, site-level safety and environmental leaders were identified in all Aptar locations. As part of the EHS Management System implementation, we also consider the Plant/Operations leaders as well as the Human Resources leaders to be key stakeholders in the success of our EHS&S programs. We are working to understand how Aptar's Global EHS Management System is deployed locally, and we do know it requires cooperation between site leadership and other representatives that make up the local safety committees. Various roles and responsibilities are described within the EHS Management System.

Further, as part of the EHS Management System development, we opened requirements up for comment and allowed for feedback by any Aptar employee. When providing feedback, we encouraged employees to nominate themselves to serve on the workgroups that would finalize the standards. Our EHS MS workgroups had cross-functional, cross-regional representation, thus producing the best work-product for our global company.



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

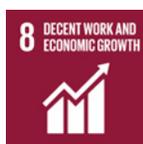
GRI 403 OCCUPATIONAL HEALTH AND SAFETY

- 403-2**
- Types of injury, injury rate (IR), occupational disease rate (ODR), lost day rate (LDR), absentee rate (AR), and work-related fatalities, for all employees, with a breakdown by:
 - Region;
 - Gender.
 - Types of injury, injury rate (IR), and work-related fatalities, for all workers (excluding employees) whose work, or workplace, is controlled by the organization, with a breakdown by:
 - Region;
 - Gender.
 - The system of rules applied in recording and reporting accident statistics.

Another focus area for the EHS & Sustainability pillar in 2017 was to establish baseline rates for Total Recordable Incidents, Lost Time Frequency, and Lost Time Severity. We reduced our Lost Time Frequency rate by 16 percent from 2016 to 2017, as shown in **Table 403-2** below.

As mentioned, in 2017 Aptar began a project to identify an EHS software provider and in early 2018 launched a pilot of the Incident Management Module in 22 sites. With this module we will be able to analyze by varying categories of demographics, including by contractor worker classification and by gender. From this we will be able to identify data trends which can then be addressed and corrected.

Aptar has developed its own record keeping standards and definitions based off of the U.S. Occupational Safety and Health Administration and OHSAS rules.



- 403-3**
- Whether there are workers whose work, or workplace, is controlled by the organization, involved in occupational activities who have a high incidence or high risk of specific diseases.

In general, employees working in our anodizing facilities in Anney, France, Jundiai, Brazil, and Watertown, CT U.S.A. are exposed to more hazards in the process as compared to our other facilities, but we have not observed any increase in incidence or diseases as a result of this activity. We have a process to identify ten underperforming sites each month and we host safety review calls with the plant managers of these sites, the Segment and Regional Business Vice/Presidents and the Vice President of Operational Excellence. This serves to promote open dialogue, best practice sharing, and to hold ourselves accountable for safety improvements.



TABLE 403-2 LOST TIME FREQUENCY RATES

	% VARIATION 2016 TO 2017	2017	2016	2015
Beauty + Home	-23	1.38	1.79	1.99
EMEA	-17	2.31	2.81	2.97
LATAM	-42	1.15	1.97	2.81
North America	-37	0.88	1.40	1.50
Northeast Asia	same	0.00	0.15	0.15
Southeast Asia	same	0.29	0.00	0.00
Corporate and Others	same	0.00	0.00	0.00
EMEA	same	0.00	0.00	0.00
North America	same	0.00	0.00	0.00
Food + Beverage	-3	1.41	1.45	1.60
EMEA	2	2.04	2.00	1.88
North America	-26	1.00	1.36	1.90
Northeast Asia	increase	0.00	0.00	0.61
Pharma	-3	1.99	2.05	1.45
EMEA	0	2.31	2.31	1.68
North America	-19	0.92	1.13	0.59
Northeast Asia	-100	0.00	0.41	0.00
Southeast Asia	same	0.00	0.00	0.00
Aptar Total	-16	1.51	1.79	1.81

400 SOCIAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 403 OCCUPATIONAL HEALTH AND SAFETY

<p>403-4</p> <p>a. Whether formal agreements (either local or global) with trade unions cover health and safety.</p> <p>b. If so, the extent, as a percentage, to which various health and safety topics are covered by these agreements.</p>	<p>a. We do not currently have mechanisms in place to be able to report the extent to which formal agreements (either local or global) with trade unions cover health and safety. However, local agreements do include health and safety topics.</p> <p>b. We do not currently have mechanisms in place to track and report the extent, as a percentage, to which various health and safety topics are covered by these agreements.</p>
--	---

GRI 404 TRAINING AND EDUCATION

Management Approach

The reporting organization shall report its management approach for training and education using GRI 103: Management Approach.

Table 404-1 below illustrates the average hours of training per year per employee by region and employee category. Our definitions of these employee categories are provided in the [Appendix](#).

<p>404-1</p> <p>a. Average hours of training that the organization's employees have undertaken during the reporting period, by:</p> <p>iii. Gender</p> <p>iv. Employee category</p>	<p>Table 404-1 below illustrates the average hours of training per year per employee by region and employee category. Our definitions of these employee categories are provided in the Appendix.</p>
--	---



TABLE 404-1 AVERAGE TRAINING HOURS PER EMPLOYEE

HUMAN RESOURCES REGION	2017			2016			2015		
	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	ALL EMPLOYEES	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	ALL EMPLOYEES	M&P EMPLOYEES ¹	OTHER EMPLOYEES ¹	ALL EMPLOYEES
Central Europe	15.10	11.70		12.08	8.05		17.70	8.30	
West Europe	20.97	12.95		17.08	12.46		20.97	13.35	
South Europe	30.92	17.45		28.48	20.95		32.9	32.20	
North America	24.20	20.30		19.00	14.60		18.00	17.62	
China	26.76	28.36		24.40	21.91		32.26	12.02	
Latin America	27.15	28.60		26.87	46.72		Total 44,487 (currently unavailable by categories)		
Southeast Asia and India	17.08	15.60		25.00	15.60		23.80	32.20	
Aptar Total			19.77			16.54			17.81

¹ See [Appendix](#) for definitions

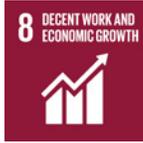
TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 403 OCCUPATIONAL HEALTH AND SAFETY

<p>404-2</p> <p>a. Type and scope of programs implemented and assistance provided to upgrade employee skills.</p> <p>b. Transition assistance programs provided to facilitate continued employability and the management of career endings resulting from retirement or termination of employment.</p>	<p>a. In previous sustainability reports we have provided articles describing the various employee training programs and modules that are offered through our award winning (page 12) Aptar Corporate University. We have also provided information regarding various internship and apprenticeship programs available within our sites. In 2018, we are working on another concept that we believe will help ensure the technical knowledge held by our existing workforce is transferable to generations to come, and we look forward to reporting details of this program in the next report.</p> <p>b. We do not currently have a transition assistance program for our retirees or terminated employees.</p>
---	---



<p>404-3</p> <p>a. Percentage of total employees by gender and by employee category who received a regular performance and career development review during the reporting period.</p>	<p>We use a digital software solution for managing objectives, performance appraisals and formal succession planning. However, we do not currently report the usage statistics or demographics of system users.</p>
--	---



GRI 405 DIVERSITY AND EQUAL OPPORTUNITY

<p>Management Approach</p> <p>The reporting organization shall report its management approach for diversity and equal opportunity using GRI 103: Management Approach.</p>	<p>Diversity and equal opportunity have become focus areas for Aptar, and in 2017 we identified leaders to focus on these topics and develop our strategy. We look forward to reporting our progress in future years.</p>
--	---



GRI 406 NON-DISCRIMINATION

<p>Management Approach</p> <p>The reporting organization shall report its management approach for non-discrimination using GRI 103: Management Approach.</p>	<p>As detailed on page 4 of our Code of Business Conduct & Ethics, each employee, officer and director must endeavor to deal fairly and in good faith with Aptar's customers, suppliers, competitors, and employees. In 2016, Aptar launched a phone- and web-based hotline which is maintained by an independent third party. While mechanisms to report issues to the Compliance Officer (anonymously or identified) existed in the past, the new system enables us to more efficiently track, analyze and report.</p>
---	--

400 SOCIAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 406 NON-DISCRIMINATION

<p>406-1</p> <p>a. Total number of incidents of discrimination during the reporting period.</p> <p>b. Status of the incidents and actions taken with reference to the following:</p> <ul style="list-style-type: none"> i. Incident reviewed by the organization; ii. Remediation plans being implemented; iii. Remediation plans that have been implemented, with results reviewed through routine internal management review processes; iv. Incident no longer subject to action. 	<p>a. Aptar did not receive any substantiated complaints concerning discrimination.</p> <p>b. Not applicable</p> <ul style="list-style-type: none"> i. Not applicable ii. Not applicable iii. Not applicable iv. Not applicable
--	---



GRI 407 FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING

Management Approach

The reporting organization shall report its management approach for freedom of association and collective bargaining using GRI 103: Management Approach.

The percentage of total employees covered by collective bargaining agreements in North America decreased from 2015 to 2016. This is because our facility in Stratford, CT closed one manufacturing line, resulting in a decrease in headcount which in turn impacted the regional percentage. However, there was no change from 2016 to 2017.

Please see [Table 102-41](#).

GRI 408 CHILD LABOR

Management Approach

The reporting organization shall report its management approach for child labor using GRI 103: Management Approach.

Aptar prohibits the use of child labor within its own sites and by suppliers as evident of new [Sustainable Purchasing Charter](#).

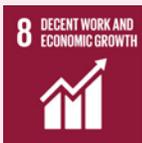


GRI 409 FORCED OR COMPULSORY LABOR

Management Approach

The reporting organization shall report its management approach for forced or compulsory labor using GRI 103: Management Approach.

Aptar prohibits the use of forced or compulsory labor within its own sites and by suppliers as evident of new [Sustainable Purchasing Charter](#).



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 412 HUMAN RIGHTS ASSESSMENT

<p>Management Approach</p> <p>The reporting organization shall report its management approach for human rights assessment using GRI 103: Management Approach.</p>	<p>Aptar communicates its expectations that all employees respect all applicable laws, including laws regarding human rights, through its Compliance Manual. On an annual basis, the Compliance Manual is distributed to all managers and professionals and each recipient is required to sign their agreement to abide by the Compliance Manual or note where they cannot comply.</p>
--	--

GRI 414 SUPPLIER SOCIAL ASSESSMENT

<p>Management Approach</p> <p>The reporting organization shall report its management approach for supplier social assessment using GRI 103: Management Approach.</p>	<p>Aptar recognizes the social and environmental assessment of our suppliers to be a material aspect of business according to our stakeholders. As reported in 2015, we integrated supplier social and environmental screening into the supplier auditing process and began measuring this in North America and Europe as part of our custom-built GRI-based sustainability scorecard.</p> <p>In 2016, we introduced a Sustainable Purchasing Charter which is referenced in Aptar's general terms and conditions of purchase as well as in our standard purchasing contract templates. Suppliers are asked to acknowledge and sign the agreement if they cannot provide us with a similar internal document which proves ethics and compliance standards meeting Aptar's expectations. In 2017, this charter was made available on Aptar.com in nine languages (English, French, German, Spanish, Russian, Portuguese, Italian, Chinese and Bahasa).</p>
---	--

414-1 New suppliers that were screened using social criteria.



In 2016 and 2017, we were piloting our supplier sustainability screening process in North America and Europe. In 2016, we selected a few strategic suppliers to receive a social and environmental screening audit and 100 percent of new suppliers were screened. Other regions also screen suppliers for environmental and social impacts, but these results are currently not consolidated into a global program.

In early 2018, representatives of the Operational Excellence Supply Chain, Quality and EHS & Sustainability Pillars came together to plan scaling up the process into a global program. This activity will continue through 2018 as Aptar establishes the screening method for future years.

414-2 Negative social impacts in the supply chain and actions taken.

As mentioned above, we have been piloting a supplier screening process. Although we did initially return a few unfavorable results in 2016, upon further investigation and conversation with the suppliers in question we determined the issue to be a problem in the way our scorecard was measuring and assessing the supplier programs, and in how the questions were communicated. In 2018, the supplier screening process became a new dialogue topic within Aptar and we look forward to reporting program improvements in future reports.

400 SOCIAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 415 PUBLIC POLICY

Management Approach

The reporting organization shall report its management approach for public policy using GRI 103: Management Approach.

Aptar does not associate with any political groups, nor does the company make any political contributions, either directly or indirectly.

- 415-1**
- a. Total monetary value of financial and in-kind political contributions made directly and indirectly by the organization by country and recipient/beneficiary.
 - b. If applicable, how the monetary value of in-kind contributions was estimated.

Not applicable

GRI 416 CUSTOMER HEALTH AND SAFETY

Management Approach

The reporting organization shall report its management approach for customer health and safety using GRI 103: Management Approach.

Due to the highly regulated nature of our industry, Aptar products are subject to health and safety assessments from regulatory agencies like the U.S. Food and Drug Administration during all stages of the product life cycle. Aptar does not sell any products that are banned in certain markets or are the subject of stakeholder questions or public debate.

Please see [Table 102-11](#).

- 416-1** Assessment of the health and safety impacts of product and service categories.

100 percent of Aptar products are assessed for health and safety impacts and improvement.



- 416-2** Incidents of non-compliance concerning the health and safety impacts of products and services.

Aptar experienced no significant incidents of non-compliance concerning the health and safety impacts of products during the reporting year.



TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
-------	-----------------------	------------------

GRI 417 MARKETING AND LABELING

Management Approach
 The reporting organization shall report its management approach for marketing and labeling using GRI 103: Management Approach.

Aptar does not provide product and service information and labeling. Our customers provide labeling on their total packaging solutions.

417-1 a. Whether each of the following types of information is required by the organization's procedures for product and service information and labeling:

- i. Content, particularly with regard to substances that might produce an environmental or social impact;
- ii. Safe use of the product or service;
- iii. Disposal of the product and environmental or social impacts;
- iv. Other (explain).

b. Percentage of significant product or service categories covered by and assessed for compliance with such procedures.

Not applicable

417-2 Incidents of non-compliance concerning product and service information and labeling.

Aptar experienced no significant incidents of non-compliance concerning product and service information and labeling during the reporting year.



417-3 Incidents of non-compliance concerning marketing communications.

Aptar experienced no significant incidents of non-compliance concerning marketing communications during the reporting year.

GRI 418 CUSTOMER PRIVACY

Management Approach
 The reporting organization shall report its management approach for customer privacy using GRI 103: Management Approach.

Aptar upholds the strictest of confidence concerning customer privacy. We do not disclose or use personal customer information for any purposes other than those agreed upon, and we seek written permission from customers before publishing any identifying stories, results or quotations.

418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data

Aptar did not receive any substantiated complaints concerning breaches of customer privacy and losses of customer data during the reporting year.



400 SOCIAL TOPICS

TOPIC	REPORTING REQUIREMENT	APTAR'S RESPONSE
GRI 419 SOCIOECONOMIC COMPLIANCE		
<p>Management Approach</p> <p>The reporting organization shall report its management approach for socioeconomic compliance using GRI 103: Management Approach.</p>		

- 419-1**
- a. Significant fines and non-monetary sanctions for non-compliance with laws and/or regulations in the social and economic area in terms of:
 - i. Total monetary value of significant fines;
 - ii. Total number of non-monetary sanctions;
 - iii. Cases brought through dispute resolution mechanisms.
 - b. If the organization has not identified any non-compliance with laws and/or regulations, a brief statement of this fact is sufficient.
 - c. The context against which significant fines and non-monetary sanctions were incurred.

Above and beyond legal requirements, employee representation is encouraged through varying location-specific initiatives.

- a. Aptar has not identified any significant fines for non-compliance with laws and/or regulations.
 - i. Not applicable
 - ii. Not applicable
 - iii. Not applicable
- b. Aptar has not identified any significant fines for non-compliance with laws and/or regulations.
- c. Not applicable



APPENDIX

EMPLOYEE CATEGORY DEFINITIONS

M&P = Managers & Professionals:

- Executives, managers, experts, engineers & specialists who meet the following criteria:
 - Possess a bachelor's degree or above (or equivalent academic degree) which corresponds with at least three years of University level (or equivalent) education, and
 - Hold a position within the organization which requires a bachelor's degree or above in order for the position to be considered appropriately staffed.
- In exceptional cases, possession of relevant skills and experience for a position may be considered as an equivalent level to a bachelor's degree.

Other employees:

- Technicians, Foremen & Administrative employees (TFA): Employee who is included neither in the category of Managers and Professionals nor in the category of Operators & Workers. In some countries such employees are paid on a monthly basis (e.g. secretaries, assistants, foremen)
- Operators / Workers (OW): Employee (Direct labor or indirect labor) directly involved in the industrial process (manufacturing, maintenance, etc.). In some countries they are paid on an hourly basis.

Temporary employee:

- An Individual not registered as an employee paid directly by the company, but who is recruited through a temporary work agency.



MATCHING APTAR SITE NAMING CONVENTION ACROSS MULTIPLE METRIC AND REPORTING SYSTEMS

All of our manufacturing facilities report sustainability metrics through an online collection system. This system uses slightly different naming conventions than the systems used to collect data for the annual report, as illustrated in the reference table below.

Segment	Sustainability Region	Country	Site name used in 2017 SAP BI – Sustainability Module	Site name used in 2017 SAP BI – Safety Module	Site name used on 2017 HR Regional Spreadsheets	Site name used in 2017 Annual Report	Site name used in 2016 Annual Report
Beauty + Home	EU - B+H	France	Aptar Annecy	Aptar Annecy	Annecy	Annecy	Annecy
Beauty + Home	SEA	India	Aptar Bahadurpally	Aptar Bahadurpally	Hyderabad	Hyderabad	Hyderabad
Beauty + Home	EU - B+H	Ireland	Aptar Ballinasloe	Aptar Ballinasloe	Ballinasloe	Ballinasloe, County Galway	Ballinasloe, County Galway
Beauty + Home	LATAM	Argentina	Aptar Berategui	Aptar Berategui	Aptar Berategui	Aptar Berategui	Florencio Varela
Pharma	EU - Pharma	Germany	Aptar Boehrigen	Aptar Boehrigen	Radolfzell + Eigeltingen	Böhringen	Böhringen
Pharma	EU - Pharma	France	Aptar Brecey	Aptar Brecey	Brecey	Brecey	Brecey
Beauty + Home	LATAM	Brazil	Aptar Cajamar	Aptar Cajamar	Aptar Cajamar	Cajamar	Cajamar
Beauty + Home	LATAM	Colombia	Aptar Cali	Aptar Cali	Aptar Cali	Cali	Cali
Beauty + Home	EU - B+H	France	Aptar Charleval	Aptar Charleval	Charleval	Charleval	Charleval
Beauty + Home	EU - B+H	Italy	Aptar Chieti	Aptar Chieti	Chieti	San Giovanni Teatino (Chieti)	San Giovanni Teatino (Chieti)
Beauty + Home	SEA	Thailand	Aptar Chonburi	Aptar Chonburi	Thailand	Chonburi	Chonburi
Beauty + Home	SEA	Indonesia	Aptar Cikarang Bekasi	Aptar Cikarang Bekasi	Indonesia	Cikarang, Bekasi	Cikarang, Bekasi
Food + Beverage	EU - F+B	Czech Republic	Aptar Ckyne	Aptar Ckyne	Ckyne	Ckyne	Ckyne
Pharma	North America	U.S.A.	Aptar Congers	Aptar Congers	Congers	Congers, New York	Congers, New York
Beauty + Home	EU - B+H	Germany	Aptar Dortmund	Aptar Dortmund	Dortmund	Dortmund	Dortmund
Beauty + Home	North America	U.S.A.	Aptar Eatontown	Aptar Mega Pumps	(new as of 2016)	Eatontown, New Jersey	Eatontown, New Jersey
Pharma	EU - Pharma	Germany	Aptar Eigeltingen	Aptar Eigeltingen	Radolfzell + Eigeltingen	Eigeltingen	Eigeltingen
Food + Beverage	EU - F+B	Germany	Aptar Freyung	Aptar Freyung	Freyung	Freyung	Freyung
Pharma	EU - Pharma	France	Aptar Granville	Aptar Granville	Granville	Granville	Granville
Beauty + Home	SEA	India	Aptar Himachal	Aptar Himachal	Baddi	Himachal Pradesh	Himachal Pradesh
Beauty + Home	SEA	India	Aptar Jeedimetia	Aptar Jeedimetia	Hyderabad	Hyderabad	Hyderabad
Beauty + Home	LATAM	Brazil	Aptar Jundiai	Aptar Jundiai	Aptar Jundiai	Jundiai	Jundiai
Beauty + Home	EU - B+H	France	Aptar Le Neubourg	Aptar Le Neubourg	Le Neubourg	Le Neubourg	Le Neubourg
Pharma	EU - Pharma	France	Aptar Le Vaudreuil	Aptar Le Vaudreuil Up1	Le Vaudreuil	Le Vaudreuil	Le Vaudreuil
Pharma	EU - Pharma	France		Aptar Le Vaudreuil Up2	Le Vaudreuil	Le Vaudreuil	Le Vaudreuil
Pharma	EU - Pharma	France		Aptar Le Vaudreuil Up3	Le Vaudreuil	Le Vaudreuil	Le Vaudreuil
Pharma	EU - Pharma	France		Aptar Le Vaudreuil Up4	Le Vaudreuil	Le Vaudreuil	Le Vaudreuil
Pharma	EU - Pharma	France		Aptar Val De Reuil	Val de Reuil	Le Vaudreuil	Le Vaudreuil
Food + Beverage	EU - F+B	United Kingdom		Aptar Leeds	Aptar Leeds	Leeds	Leeds, England
Beauty + Home	North America	U.S.A.	Aptar Libertyville	Aptar Libertyville	Libertyville	Libertyville, Illinois	Libertyville, Illinois
Food + Beverage	North America	U.S.A.	Aptar Lincolnton	Aptar Lincolnton	Lincolnton	Lincolnton, North Carolina	Lincolnton, North Carolina
Beauty + Home	EU - B+H	Spain	Aptar Madrid	Aptar Madrid	Madrid	Madrid	Madrid
Beauty + Home	LATAM	Brazil	Aptar Maringa	Aptar Maringa	Aptar Maringa	Maringá Paraná	Maringá Paraná

Segment	Sustainability Region	Country	Site name used in 2017 SAP BI – Sustainability Module	Site name used in 2017 SAP BI – Safety Module	Site name used in 2017 HR Regional Spreadsheets	Site name used in 2017 Annual Report	Site name used in 2016 Annual Report
Beauty + Home	EU - B+H	Germany	Aptar Menden	Aptar Menden	Menden	Menden	Menden
Pharma	EU - Pharma	Switzerland	Aptar Mezzovico	Aptar Mezzovico	Mezzovico	Mezzovico	Mezzovico
Food + Beverage	North America	U.S.A.	Aptar Midland (LMS)	Aptar Midland (LMS)	Midland	Midland, Michigan	Midland, Michigan
Corporate	EU - F+B	United Kingdom	(non-manufacturing)	Aptar Milton Keynes	(included with Leeds)	(non-manufacturing)	(non-manufacturing)
Beauty + Home	North America	U.S.A.	Aptar Mukwonago	Aptar Mukwonago	Mukwonago	Mukwonago, Wisconsin	Mukwonago, Wisconsin
Pharma	SEA	India	Aptar Mumbai	Aptar Mumbai	Mumbai Pharma	Mumbai	Mumbai
Beauty + Home	EU - B+H	France	Aptar Oyonnax 1501	Aptar Oyonnax	Oyonnax	Oyonnax	Oyonnax
Beauty + Home	EU - B+H	Italy	Aptar Pescara	Aptar Pescara Assembly	Pescara	Manoppello	Manoppello
Beauty + Home	EU - B+H	Italy		Aptar Pescara Moulding	Pescara	Manoppello	Manoppello
Beauty + Home	EU - B+H	France	Aptar Poincy	Aptar Poincy	Poincy	Poincy	Poincy
Beauty + Home	LATAM	Mexico	Aptar Queretaro	Aptar Queretaro	Aptar Queretaro	Queretaro	Queretaro
Beauty + Home	North America	U.S.A.	Aptar Stratford	Aptar Stratford	Stratford	Stratford, Connecticut	Stratford, Connecticut
Beauty + Home	NEA	China	Aptar Suzhou	Aptar Suzhou BH	China	Suzhou	Suzhou
Food + Beverage	NEA	China		Aptar Suzhou FB	China	Suzhou	Suzhou
Pharma	NEA	China		Aptar Suzhou PHA	China	Suzhou	Suzhou
Beauty + Home	EU - B+H	Spain	Aptar Torello	Aptar Torello	Torello	Torello	Torello
Beauty + Home	North America	U.S.A.	Aptar Torrington	Aptar Torrington	Torrington	Torrington, Connecticut	Torrington, Connecticut
Beauty + Home	LATAM	Argentina	Aptar Tortuguitas	Aptar Tortuguitas	Aptar Tortuguitas	Tortuguitas	Tortuguitas
Beauty + Home	EU - B+H	France	Aptar Verneuil	Aptar Verneuil	Verneuil	Verneuil Sur Avre	Verneuil Sur Avre
Pharma	EU - Pharma	France	(included with Stelmi)	Aptar Villepinte	Villepinte	(included with Stelmi)	(included with Stelmi)
Beauty + Home	EU - B+H	Germany	Aptar Villingen	Aptar Megaplast (36)	(new as of 2016)	Villingen-Schwenningen	Villingen-Schwenningen
Beauty + Home	EU - B+H	Germany		Aptar Megaplast (29)	(new as of 2016)	Villingen-Schwenningen	Villingen-Schwenningen
Beauty + Home	EU - B+H	Russia	Aptar Vladimir	Aptar Vladimir	Vladimir	Vladimir	Vladimir
Beauty + Home	North America	U.S.A.	Aptar Watertown	Philson	Philson	Watertown, Connecticut	Watertown, Connecticut
Beauty + Home	North America	U.S.A.	Cary Campus	Aptar Cary North	Cary North	Cary, Illinois	Cary, Illinois
Beauty + Home	North America	U.S.A.		Aptar Cary South	Cary	Cary, Illinois	Cary, Illinois
Beauty + Home	North America	U.S.A.		Aptar McHenry Assembly	McHenry	McHenry, Illinois	McHenry, Illinois
Beauty + Home	North America	U.S.A.		Aptar McHenry Moulding	McHenry	McHenry, Illinois	McHenry, Illinois
Corporate	Not included	U.S.A.	(non-manufacturing)	Aptar Crystal Lake	(not included)	(non-manufacturing)	(non-manufacturing)
Corporate	Not included	France	(non-manufacturing)	Aptar Louveciennes	Louveciennes	(non-manufacturing)	(non-manufacturing)
Pharma	Not included	U.S.A.	(not material)	Aptar Next Breath	(included with Congers)	(non-manufacturing)	(non-manufacturing)

Aptargroup 

2017 Corporate
Sustainability Report

265 Exchange Drive, Suite 100
Crystal Lake, IL 60014

+1-815-477-0424

aptar.com

