

2020 GSK supplier awards winner case study

Special mention

Aptar



Aptar overview

- Aptar is a global leader in dispensing, drug delivery and active packaging solutions, serving a variety of industries including pharmaceutical, beauty, personal care, home, food and beverages.
- The company has over 14,000 employees and 50 manufacturing facilities. They are strong advocates for a more circular economy with repeatable and positive effects on people and the planet.

Enhancing Life Cycle Assessment (LCA) functionalities with an Eco-design tool

Aptar has improved its Eco-design tool to align to the standards from the Ellen MacArthur Foundation and enhance their Life Cycle Assessment (LCA) functionalities. The enhanced tool now integrates LCA methodologies with recyclability assessments and material circularity indicators.

The improved tool assists product designers and customers who face questions about how components flow through the recycling and waste stream. The improvements allow for a more detailed view of product end of life.

In addition to traditional LCA outputs that quantify environmental impacts, products assessed with the tool are given a circularity and recyclability score. This allows for a product to be compared to similar industry standard products.

Aptar's dedicated Product Sustainability team actively works with customers to promote the use of eco-design to improve environmental impacts, recyclability and circularity along the entire value chain. This tool is essential to the creation of more sustainable and circular product solutions that meet customer and consumer goals.

Environmental achievements

- In 2019, Aptar teams supported 24 new LCAs focused on comparative analysis, product design and recyclability assessment allowing for a deeper understanding of product impacts. In 2020, they used this tool with customers in order to compare the recyclability and carbon footprint of new and existing products
- 100% of Aptar's products will be assessed using the newly enhanced tool to identify and quantify eco-design improvements. This will in turn support customers in better product design at each stage of product life.
- The improvements and use of this tool help create a deeper understanding of the environmental impacts of material selection. This allows Aptar to further improve the design of products made with post-consumer recycled resin and bio-based resin.
- This work supports several of the SDGs, but especially SDG 12 (Responsible Consumption and Production) and SDG 15 (Life on Land).

