

THE SPHERE GROUP'S COMMITMENTS ON THE OCCASION OF LA REF OF 28/29 AUGUST 2019

SPHERE is a family-owned French group founded in 1976. As the European leader in household packaging, we are present in three markets: consumer, professional and local authorities and it is also a producer of bioplastic resins.

SPHERE is continuing and strengthening its commitment to the circular economy by pursuing an eco-design policy and by adopting an industrial strategy focused on using raw materials that are more environmentally friendly:

- Reducing the volume of fossil virgin plastic materials used in its products by replacing them with recycled materials derived from the circular economy;
- Developing new biodegradable and compostable materials;
- Using plant-based raw materials.

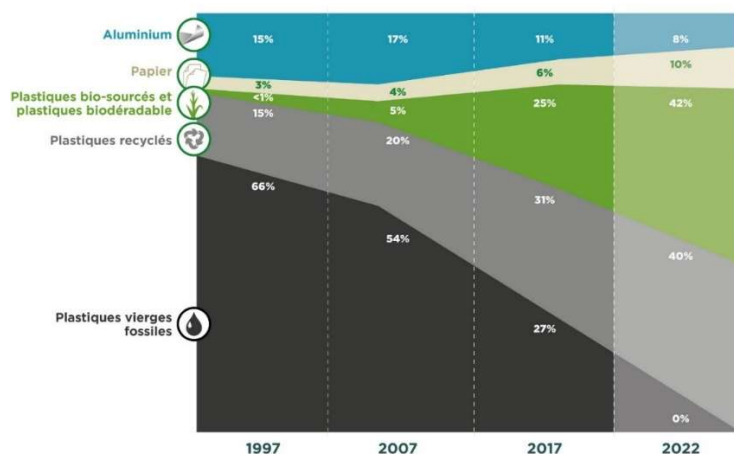
SPHERE manufactures and distributes ranges of recycled or plant-based products, for transporting, protecting, cooking and sorting.

- **Bags:** bin liners, carrier bags, freezer bags, fruit and vegetable bags, etc.
- **Packaging for food use:** aluminium foil, stretch films, baking paper, bread bag, trays, paper bags for the retail trade, etc.
- **Disposable tableware,** etc.

With 15 production sites in Europe, of which 8 are located in France, the group has annual production of about 150,000 tonnes of bags. Turnover of 600 million euros with more 1450 employees is forecast for 2019.

1/ STOP USING NON-RENEWABLE VIRGIN RAW MATERIALS BY 2022

Changes to manufactured products according to their base material



The strong development of plant-based and /or biodegradable products, as well as the growing incorporation of recycled plastic means that SPHERE is on track to meet the objectives that it has set itself.

2/ SUSTAINABLY INNOVATE

- **Develop** in France and in Europe the sector of 100% biodegradable and compostable bio-plastics based on potato starch. In the past three years, SPHERE has significantly increased its production of bio-plastics, with home-compostable plant-based fruit and vegetable bags in compliance with the requirements of the Energy Transition for Green Growth Act.
- **Contribute to the development of the biowaste sector** with collection bags for composting organic waste encouraging the production of natural high-quality fertilizers.
- **Reduce our products carbon footprint** by offering a new generation of plant-sourced plastics based on sugar cane. This material reduces CO2 emissions by up to 95%.
- **Use recycled raw materials** with of course in-house recycling of all production waste and sorting bags incremented by purchases of recycled granules, of "yellow recycling bin" origin in particular, in order to assist in establishing this aspect of the plastic's circular economy.

3/ CONTINUE ITS POLICY OF SITE CERTIFICATION AND PRODUCT ACCREDITATION

- **Production site certification** ISO 14001.
- **Standards compliance and accreditation of products:** NF Environment and NF Quality for its ranges of bin liners, freezer bags and aluminium foil rolls. SPHERE offers OK compost INDUSTRIAL and OK compost Home certified products. And in addition, for France: Origine France Garantie accreditation.

In the past ten years, SPHERE has invested 50 million euros in R&D and in its production facilities. SPHERE aims to reduce its carbon footprint by 10% by 2022 and 20% by 2030.