

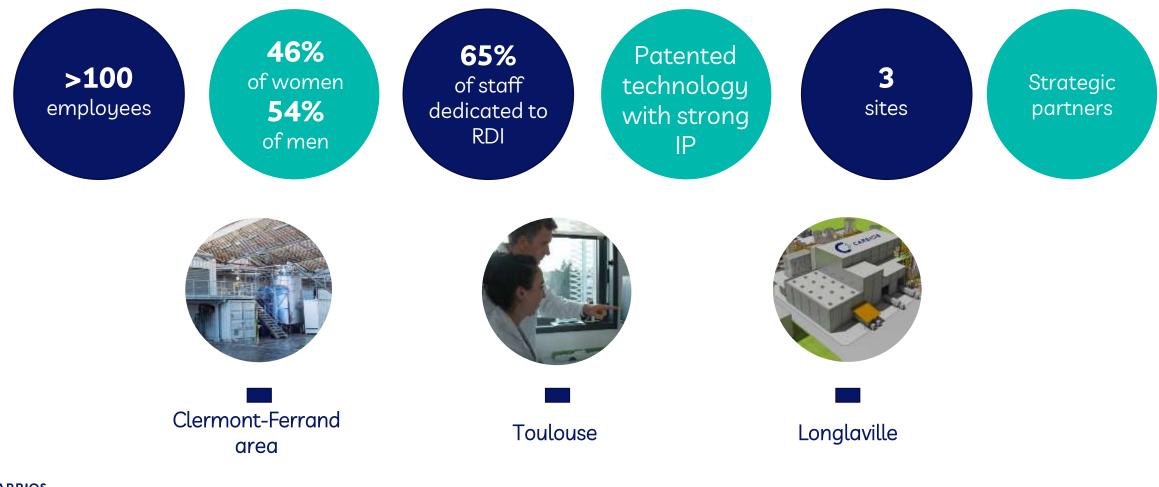
CARBIOS

Biotechnology powering plastic and textile circularity

> Unlocking Advanced bio-recycling of PET Bruno LANGLOIS

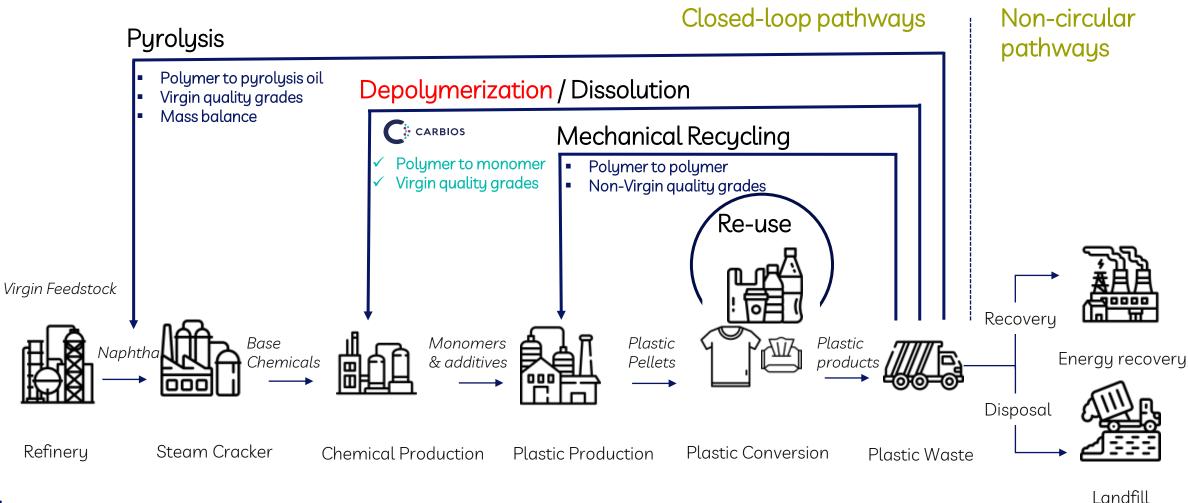
Carbios:

The first company to have developed at scale biological technologies to reinvent the life cycle of plastics and textiles



Main recycling processes

• As a complement to mechanical recycling, advanced recycling is needed





Carbios aims to offer the most circular process for the recycling of PET by enabling:

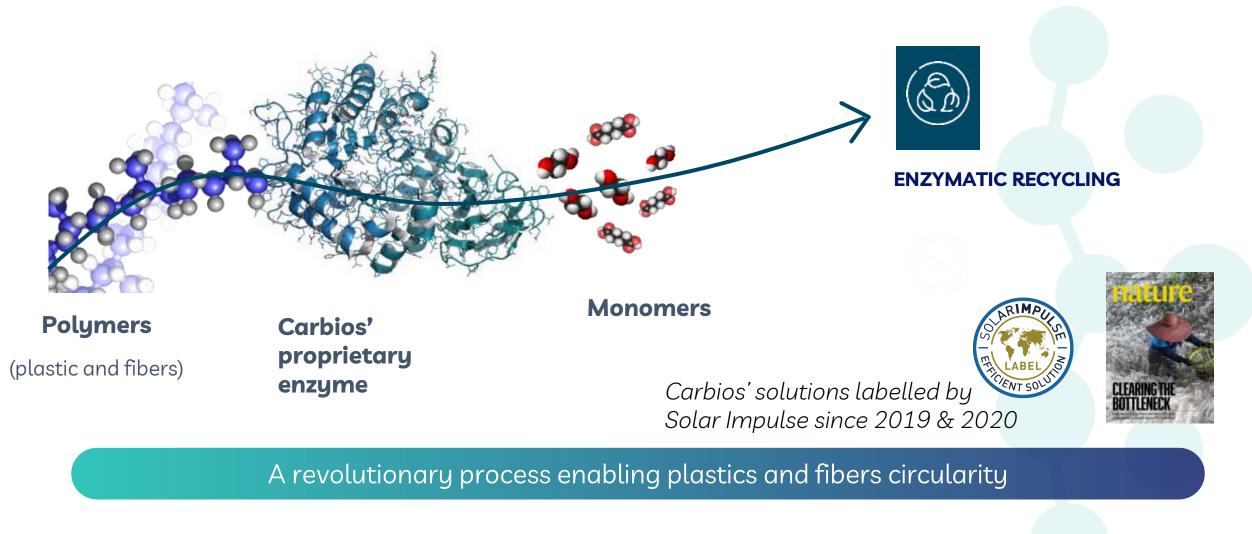


Circular Economy is becoming a reality!





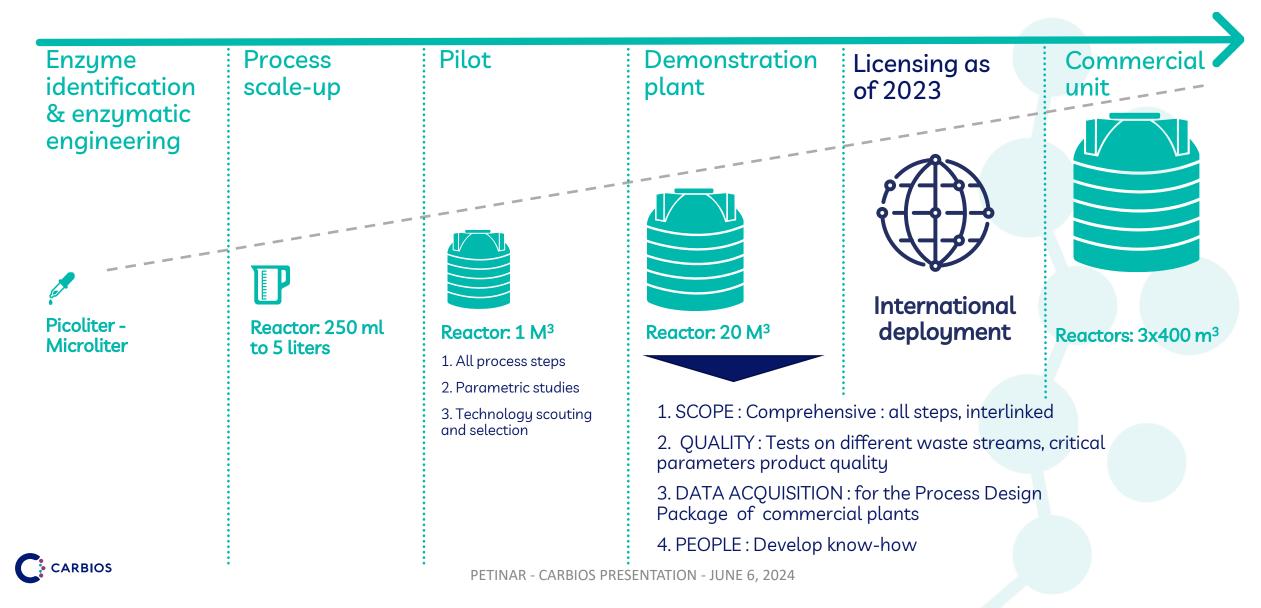
Enzymes to breakdown plastics: **10** years of innovation!







The demonstration plant: the last step before commercial scale



Project of the first-of-a-kind plant

Key figures:

Operational in 2025

- Processing capacity of 50.000 tons of waste/year
 - Coloured packaging, non FC packaging, food trays...
- 150 direct and indirect new jobs created

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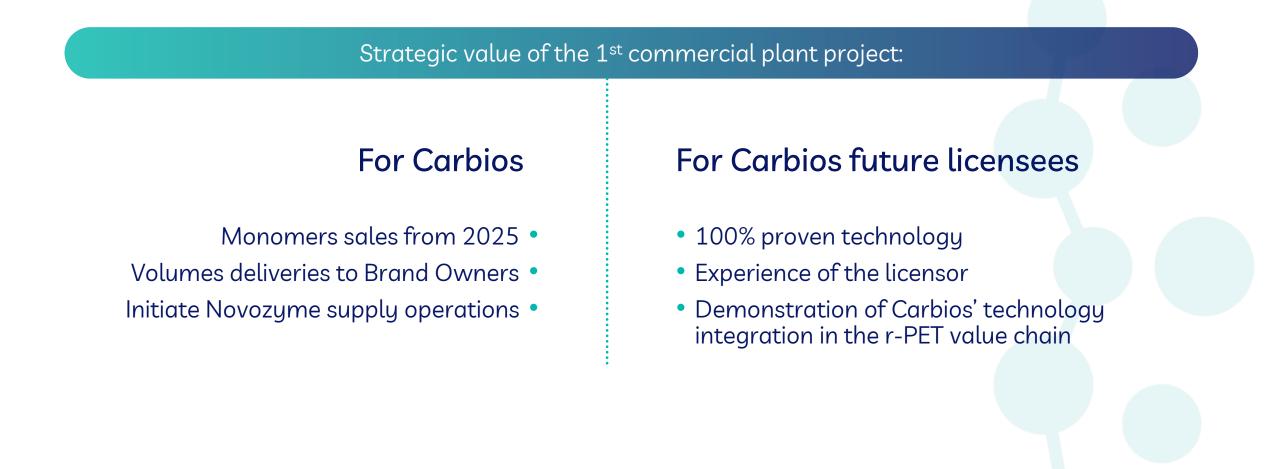


- One of the world-leading PET manufacturer
- Operates 19 PET production plants on four continents in 11 countries
- May co-invest in this project
- Consider expanding Carbios' technology at other PET sites for future developments

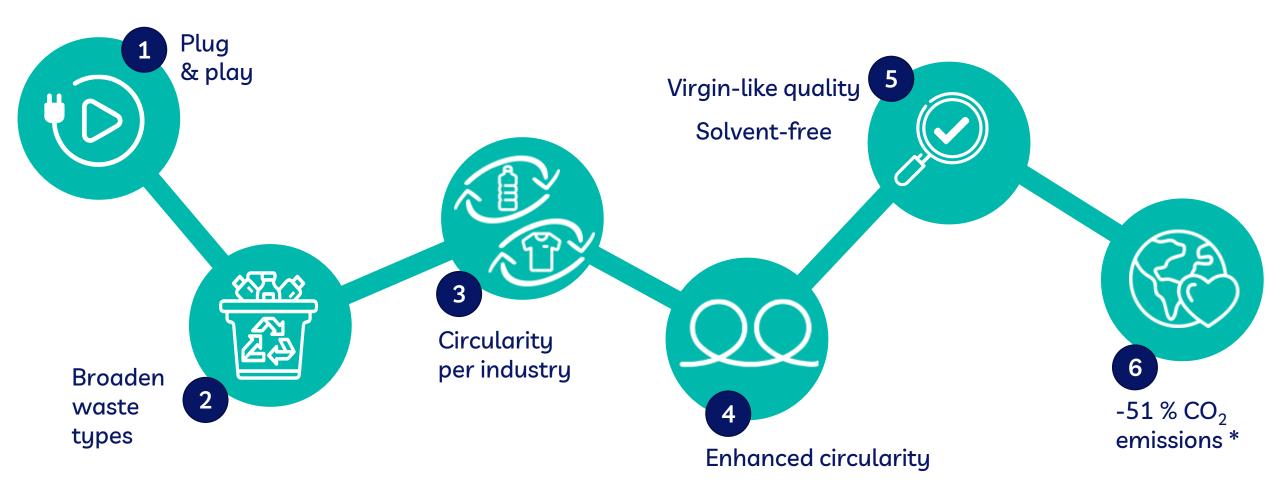
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First-of-a-kind commercial plant will generate revenues ... and boost Carbios position for licensing







* taking into account diversion of 50% PET waste from a conventional end-of-life. Virgin PET: 2.19kg CO₂/kg (cradle to gate)





Key industrial takeaways



A team, supported by leading partners in the field



A demonstration plant that confirms the main technology choices



Industrial Unit:

A project fully on track for the operational launch by 2025 A licensing offer that will be ready by 2023





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Q&A