



Design for Sustainability

DEVELOPMENT OF SUSTAINABLE PRODUCTS AND PROCESSES

KEY WORDS

ECODESIGN,
LIFE CYCLE,
SUSTAINABILITY

DESCRIPTION

This capability focuses on integrating sustainability from the initial design stages of chemical products and processes. We support companies in the design, development, and optimization of products and processes that minimize their environmental and social impact, while ensuring economic profitability throughout their entire life cycle. Through ecodesign methodologies, simplified life cycle assessment (LCA), and the selection of low-impact materials, we seek to generate innovative and responsible solutions. Our expertise ranges from conceptualization to implementation, considering the use of renewable raw materials, resource efficiency, waste reduction, recyclability, durability, and minimizing the use and generation of hazardous substances, thereby aligning business objectives with the demands of a more sustainable economy.

APPLICATIONS

- Design and development of bio-based products
- Product redesign
- Design and development of chemical processes
- Optimization of chemical processes
- Selection of sustainable materials
- Team building in ecodesign methodologies

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