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SEPTEMBER 2026 – FEBRUARY 2030

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Environmental footprints for circular design



Practical tools for measuring impacts, exploring redesigns and checking compliance.

A HORIZON EUROPE PROJECT

THE CHALLENGE

Why ORBIT?



Businesses need reliable evidence to improve products. The EU's Product Environmental Footprint (PEF) method offers a common framework, but gaps in sector guidance and fragmented data make it hard to apply, especially for smaller businesses.

ORBIT helps businesses use footprint evidence when making design decisions.

OUR APPROACH

From footprint to redesign



ORBIT combines product footprint rules, life-cycle assessment and AI-powered tools. Industry pilots will test how well they work across four sectors.

- **Textiles**
- **Plastics and packaging**
- **Chemicals**
- **Electronics and e-waste (ICT and WEEE)**

EXPECTED OUTCOMES

What ORBIT will deliver



ORBIT will help businesses compare design options, document product information and prepare for European sustainable product requirements.

- Sector-specific footprint rules and reusable data
- An explainable Eco-Design Assistant
- Digital Product Passports and compliance tools
- Training and guidance through the ORBIT Academy