

Summary of projects from shortlisted EuroTeQ Collider teams at TUM participating at the EuroTeQathon.

Challenge- Design a 'Digital Product Passport' for Small and Medium-Sized Enterprises

Team name – SME Trace

Challenge Collaborator- Beconex GmbH

Summary of the project- Small to medium-sized enterprises (SMEs) face significant challenges in integrating digital traceability systems due to their limited technological expertise, financial capacity, and resources, which hinder comprehensive supply chain transparency. To address this problem, our project focuses on designing a 'Digital Product Passport' (DPP) that simplifies and democratizes access to digital product information for SMEs, enabling efficient and regulatory-compliant documentation of the product's lifecycle. SME Trace, a Software-as-a-Service (SaaS) application, facilitates easy data input through document scanning and data extraction, generating comprehensive DPPs and QR codes without requiring significant IT infrastructure investments or extensive technological expertise, thereby empowering SMEs and promoting sustainable, transparent, and efficient value chains.