

EuroTeQ Collider 2023

Theme: Analysis of the product range (or selected parts thereof) of our business divisions Plumbing-Heating-Sanitary and Tools

Introduction

We anticipate that legislation will be tightened in relation to ensuring product sustainability (reparability). This will change the demands on their lifecycle and thus on currently established practices (e.g. more emphasis on the service network and availability of spare parts). We want to be ready for this.

Who is behind this initiative?

DEK is a group of companies engaged in the supply of materials and services for the construction industry. With a turnover of CZK 30 billion, we are the largest supplier in the Czech Republic. We currently operate more than 136 sales outlets and employ over 3,500 employees. Two of our divisions are major sellers of construction tools and fittings for the Plumbing-Heating-Sanitary sector.

What is the challenge?

We are looking for a multi-criteria analysis of the status of a selected range of products (construction tools, water and sanitation fittings) in terms of their life cycle sustainability.

Interested student teams are asked to engage in the above area by

- Research of related / upcoming legislation in relation to ensuring sustainability of products of the selected range (construction tools, furnishing items for water-sanitation).
- Establishing criteria for deciding whether a product is repairable or not (by product group).
- Evaluating individual items in the product range (in selected groups).
- Assessing the technical suitability for repair (disassemblability, availability of service tools, ...).
- Survey of the readiness of the manufacturers of the selected product range to supply and deposit spare parts, service network.
- Finding repairable alternatives to non-repairable items.

Relevant considerations for the challenge / theme:

Students are asked to sign an NDA before starting the project.