

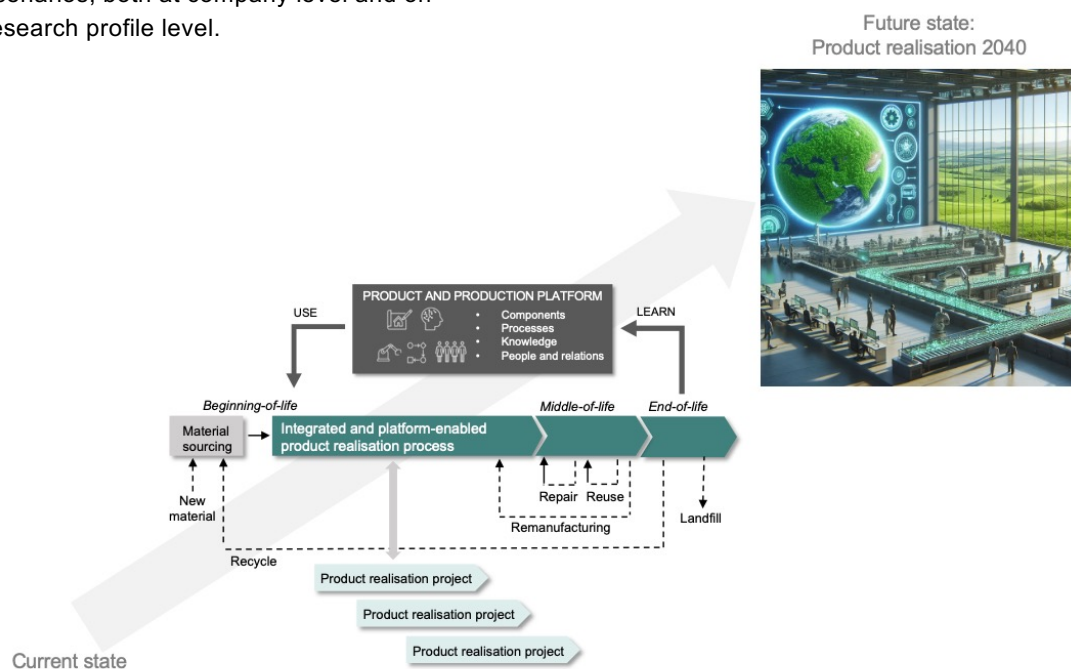
GRACE: ProValue

Product realisation for future value creation

The project is a joint starting point in the implementation of the research profile GRACE – Green acceleration through integrated and platform-enabled product realisation. The overall roadmap for GRACE will be created and the GRACE team members will get to know each other.

The purpose of this research project is twofold. As the research profile GRACE is a large initiative with high ambitions it is crucial that the team of researchers and industrial partners create a team spirit and a joint vision. Thus, the first purpose is to further anchor the shared vision and common goals in the research profile. As a second purpose, the research project aims at creating roadmaps for required development in product realisation to support different future sustainability and circularity scenarios, both at company level and on research profile level.

Focus of the work is the core of GRACE, platform-enabled and integrated product realisation. Platform-enabled implies that strategic assets are reused across products and processes to support minimal usage of resources while maximizing customer value. Integrated implies that cross-functional and cross-organisational collaboration is supported, technically and organisationally.



EXPECTED RESULTS AND IMPACT

To jointly address the green transition in product realisation in an efficient way in the research profile GRACE, it is essential to have a common goal of where we are heading. To be able to succeed with any change or development process, the value of having a common goal and a shared understanding cannot be overestimated.

The project ProValue is expected to contribute to joint understanding of different scenarios and their implication for product realisation, a roadmap for GRACE and company specific roadmaps, established new collaborations and the feeling of being part of the 'GRACE team' for all research profile partners, examples of best practices among the industrial partners, ideas for development initiatives in the initial research projects and for upcoming research projects in the research profile.

FACTS

School: School of Engineering (JTH), Jönköping University

Industrial partners: Husqvarna AB, Thule Sweden AB, Fagerhult Belysning AB, OBOS Sweden AB, SAAB AB, GKN Aerospace Sweden AB, FläktGroup Sweden AB, Sordin AB, Jönköpings bildemontering AB, Kinnarps AB and Lindbäcks Bygg AB.

Project duration: 2024 –2026

Research team:

Kicki Säfsten, Professor
Fredrik Elgh, Professor
Carin Rösiö, Associate Professor
Filip Skärin, Doctoral Student
Ulrika Harlin, Guest researcher (RISE)

Funded by:



PROJECT IMPLEMENTATION

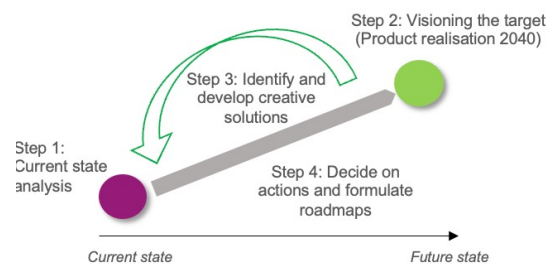
The project implementation is based on a back casting logic, which means that a desirable future is envisioned and thereafter we work backwards and identify actions that will connect the specified future to the present. The project will follow a four-step process:

Step 1. Current state analysis

Step 2. Visioning the target (Product realisation 2040)

Step 3. Identify and develop creative solutions

Step 4. Decide on actions and formulate roadmaps



FOR MORE INFORMATION

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