

Product family design for X

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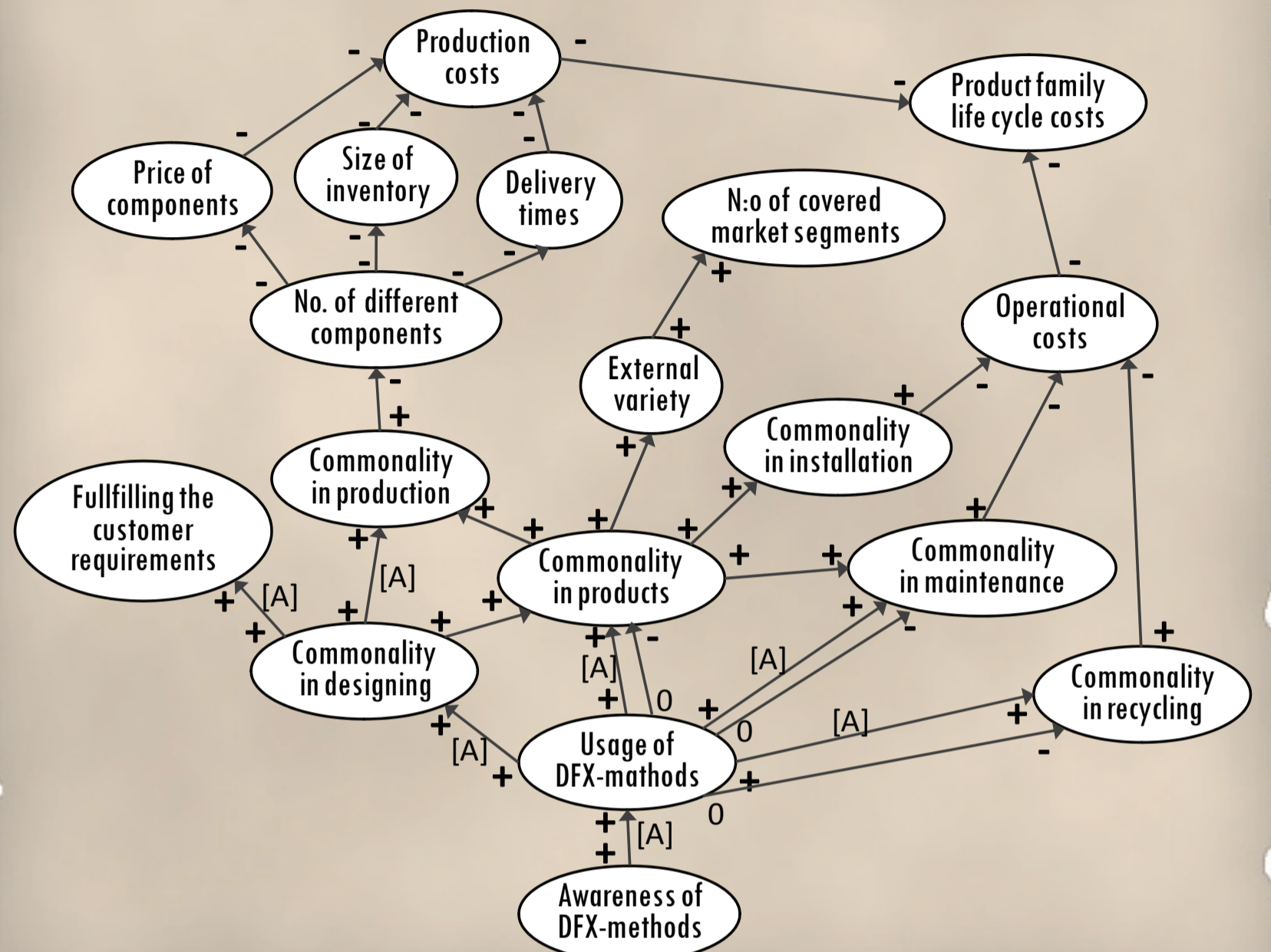
Research question

Are there means to reduce the life cycle costs and increase the producibility of product families in (Finnish) heavy machinery industry?

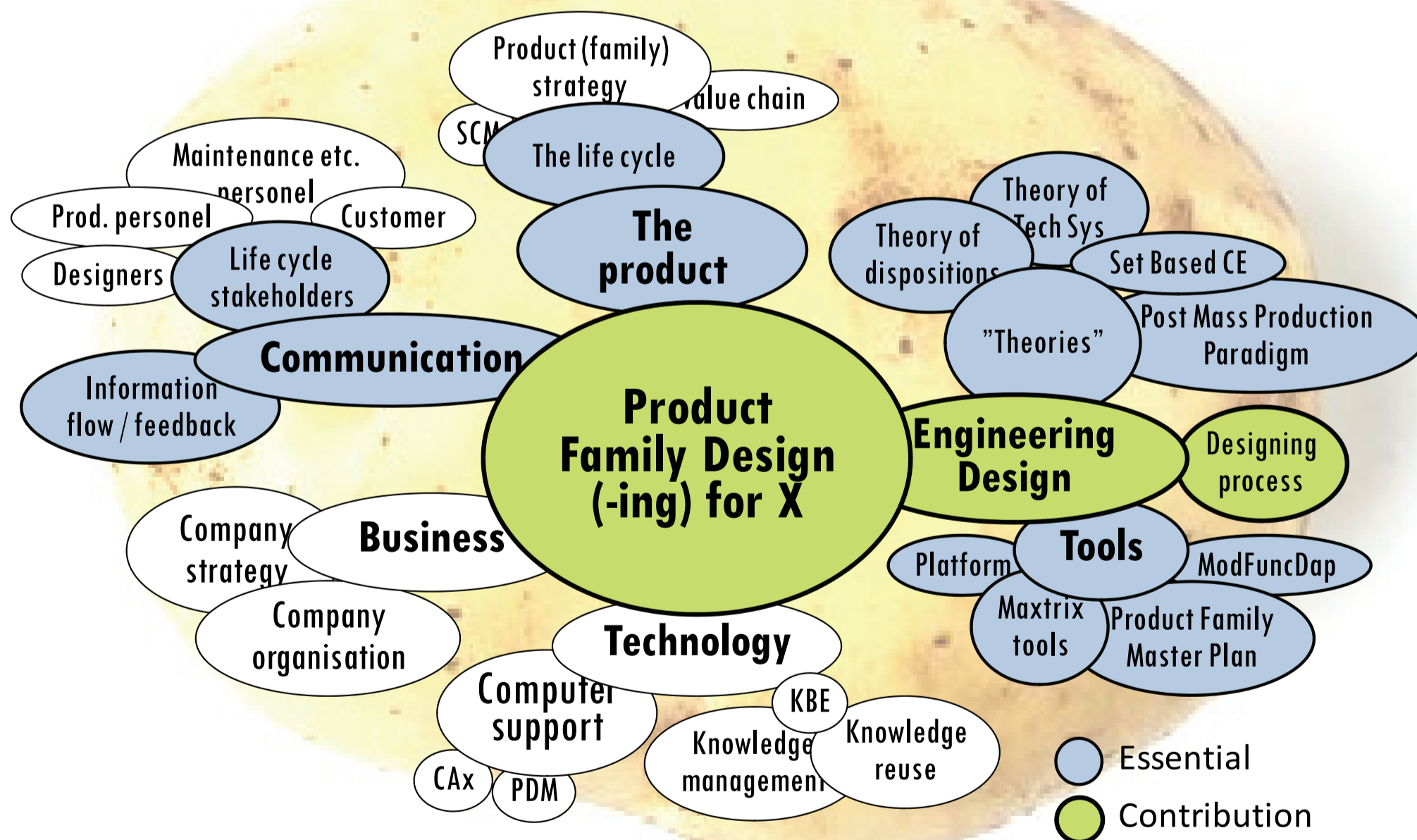
Hypothesis

With an manageably DFX-toolset the designers take all the life cycle phases of the product family into consideration at early stage on designing.

The Reference model



ARC-Diagram v0.95



Research approach

Literature research + Case studies



Aggregation and generation of DFX-toolset / DFX-methods



Testing of the DFX-methods (if possible)

Expected results

The aim of this research is to improve the existing means of designing product families and their life cycles. The outcome will be a practical DFX-guideline for designers.

