

Project Case: Product Line Development

Context:

A European Railway manufacturer decided to develop a PLE-based solution to model their product line variability. The requirements included:

Deliver a model-based solution aligned with the MBSE activities

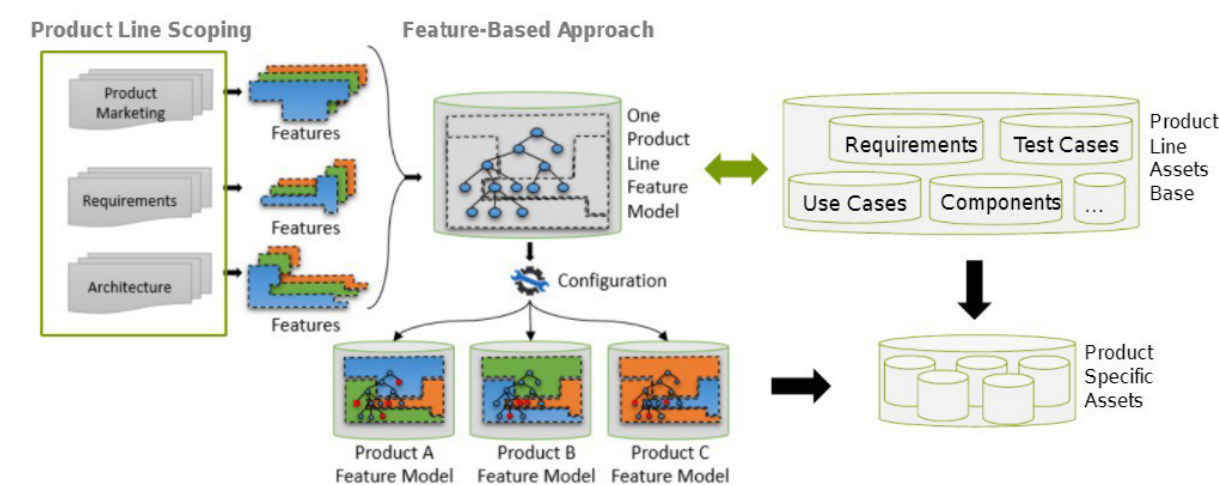
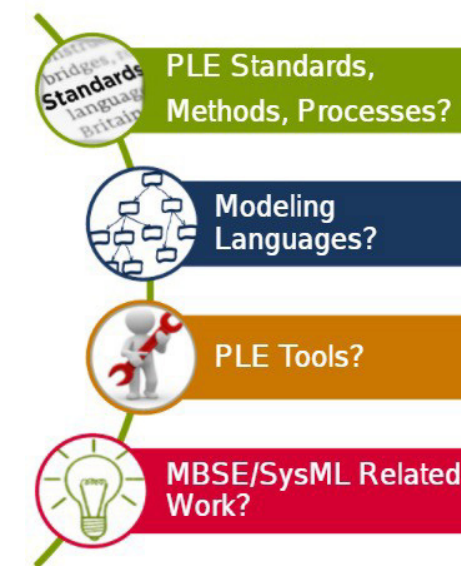
Low cost solution ready for deployment in few weeks (incl. method, training, tool customizations...)

Simple method, language and tool for Variability Analysis (product managers, system engineers, domain experts)

Ensure coverage for all Vehicle Building Block

Approach:

Development of a practical methodology to analyse and model product line variability in line with the MBSE approach and based on PLE.



Results:

- 01** Deployment of the model-based PLE approach within the UK product line that covers 4 market segments after only few months since the project start
- 02** Integration of the PLE approach with the MBSE framework
- 03** Easy way to analyse and model legacy products variability thanks to the customized Methodology

