

Context:

A European Aircraft manufacturer launched a digital transformation program for a new product and services development approach

A key pillar of the program is the MBSE approach and its deployment across several development programs

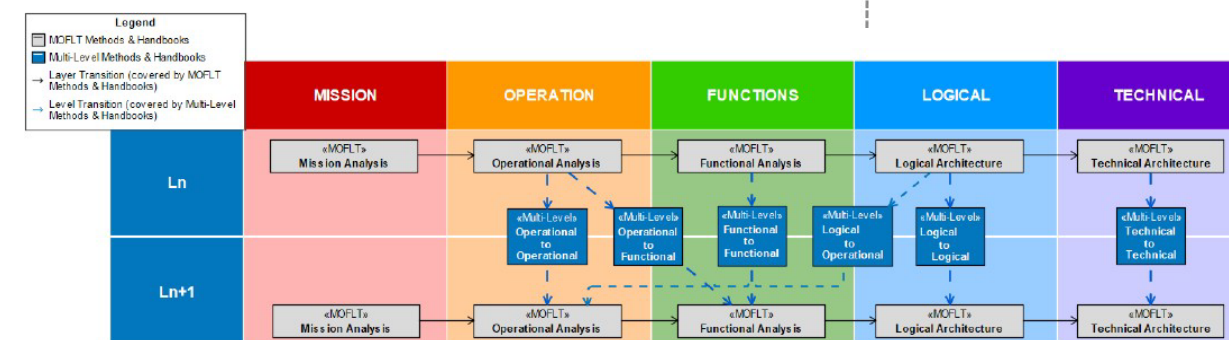
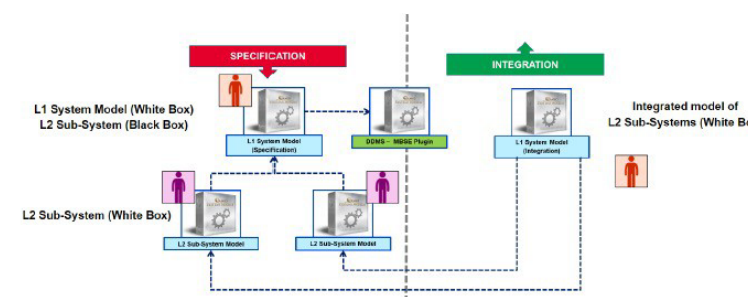
Although the company has several years of experience in the MBSE context, a well-structured system of systems approach in modelling is missing

In order to fully apply MBSE and benefit from it, a System of systems way of working needs to be developed and put in place.

The approach should cover not only the tool aspect but also the methodological one and enable users to put it easily in practice.

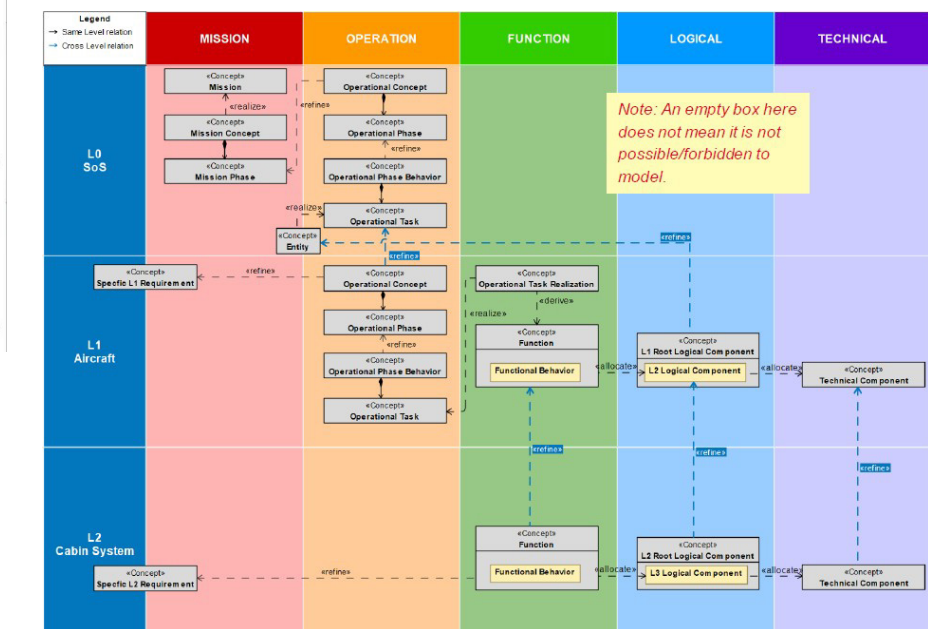
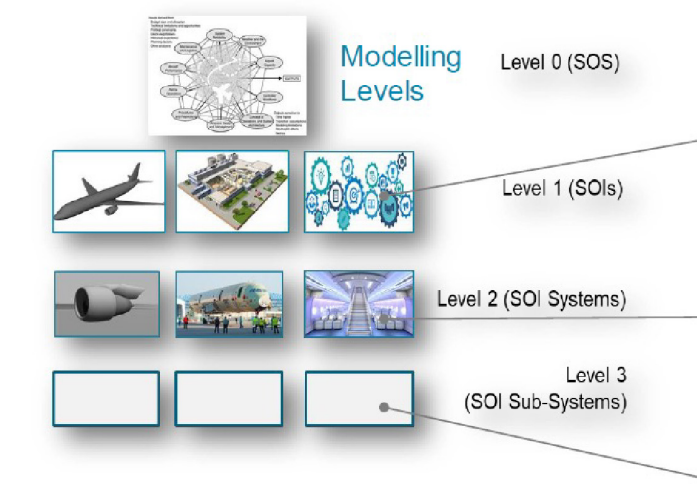
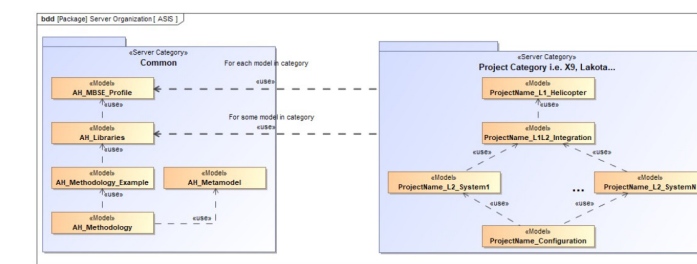
Approach:

Develop a System of Systems framework based on UAF to cope with the application of MBSE to multiple levels of integrated systems. The approach includes tool and method



Results:

- 01** | Development of a system of systems framework based on UAF
- 02** | Development of a multi- system approach in Cameo System Modeler
- 03** | Deployment of the approach for different aircraft types
- 04** | Development of change and configuration management approach for the system multi- levels
- 05** | Training of the system of systems approach for 60 users



Project Case:

Digital, Design, Manufacturing & Services