

AIRCRAFT MANUFACTURER

Commercial Aviation

*Project
Management*



*Mechanical
Engineering*



*Systems
Engineering*



ENABLING A MORE EFFICIENT DESIGN REVIEW PROCESS FOR SEAT CUSTOMIZATION

APPROACH

- Leverage the capabilities of MBSE for a cabin module
- Transition from a document-based approach to a model-based approach
- Perform traceability and change impact analysis

RESULTS

- Raised awareness around the advantages of using MBSE in the industry
- Created a model-based “frame specification” while presenting the requirements and high-level functions expected by the client
- Demonstrated collaboration with external suppliers using client MBSE framework on a common model
- Raised awareness of the need for new capabilities for client MBSE framework

KEY TOOLS & TECHNOLOGIES

- Cameo Systems Modeler
- SysML
- Pure::Variants
- IBM Rational DOORS

ALTEN TECHNOLOGY