

Design Robustness at Draexlmaier

Company Information:

The DRÄXLMAIER Group is a globally operating family-owned company, with its headquarters in Vilsbiburg, Germany. Since it was founded in 1958, the company has developed and manufactured modern wiring harness systems, exclusive interiors and central electrical and electronic components, with a clear focus on the premium automotive segment.

Requirement:

To understand the requirements and outputs of the AIAG (Automotive Industry Action Group) Design Robustness Roadmap

To enable existing Design Engineering and Programme Management processes to be improved



Capella's Input:

Development of bespoke materials that could be used as the basis for further in-house training and development

Delivery of a 1-day workshop onsite in Germany to 20 + Engineers and Senior Managers, covering key elements including:

- Product Hierarchy
- Boundary Diagrams
- Interface Matrix
- P Diagram
- Robustness Check List
- DFMEA formulation



Workshop Feedback

- "Increased knowledge of the AIAG Framework and Requirements for Design Robustness"
- "Forces Development Teams to focus their thinking in actual values and the corresponding Design Verification requirements"
- "Workshop provided a clear understanding of the Robustness Process"
- "Good tool to get an overview of Design Robustness from the perspective of the Design, Testing & Quality teams"

