



AUTOMOTIVE CABIN INTERIORS

INTEGRATED CLASH MANAGEMENT SOLUTION



SCOPE

- // Develop a custom solution to effectively detect and mitigate risks due to part clashes while designing automotive cabin interiors
- // Define process to create Interference simulation objects. Decimation of all clash objects, compute and analyze result in fast & efficient method by running it among distributed network of machines

HIGHLIGHTS

- // Develop an Add-In in Assembly design workbench of CATIA V6 R2013x/R2014 to create Interference Simulation objects based on the specification.
- // Develop an execution Batch utility running in three phases
- // Distribution Phase: Divide Input Interference objects into groups based on number of systems in the network.
- // Execution Phase: Generate trace of Interference execution result.
- // Consolidation Phase: Generate consolidated report in HTML format

BUSINESS IMPACT

- // GBP 1.2 Million saved
- // 134 machines Removed