

Body Design

PRODUCT ENGINEERING DESIGN

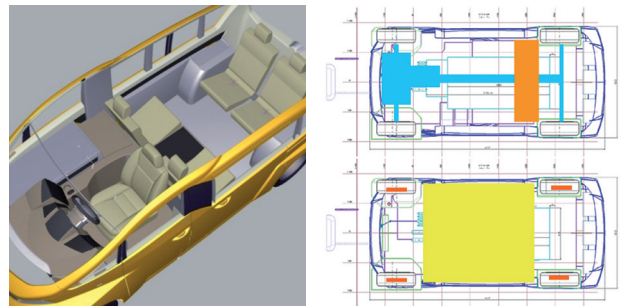
STYLING AND SURFACING

- Research and benchmarking
- Creation of concept sketches
- Selection and development of styling concepts
- Style development and 3D visualization
- Class-A surfacing modelling
- Virtual reality visualization



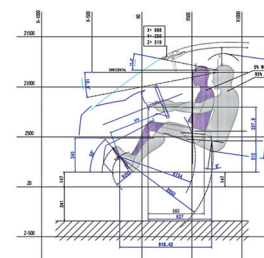
EXTERIOR AND INTERIOR PACKAGING

- Legal requirements
- Customer specific requirements
- Ergonomic requirements
- Passenger access
- Load access
- Maintenance access
- Passenger Vehicles
- Commercial Vehicles
- Off-Road vehicles
- HEV / EV



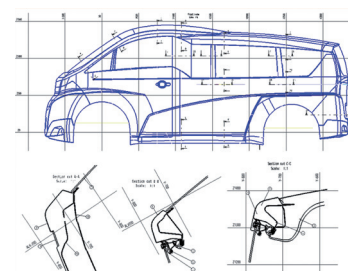
STYLING FEASIBILITY

- International regulations
- OEM internal regulations
- Ergonomic considerations
- EuroNCAP considerations



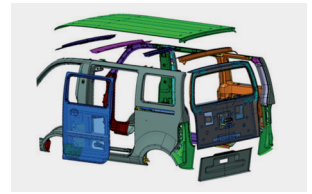
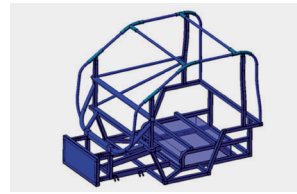
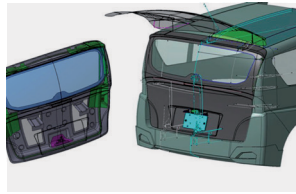
TECHNICAL FEASIBILITY

- Cross section dimensioning
- Stamping feasibility
- Weld access
- Assembly sequencing
- Material thickness'
- Paint access
- Paint drainage



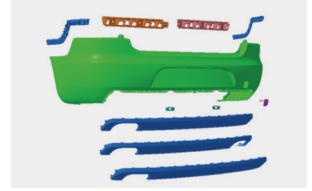
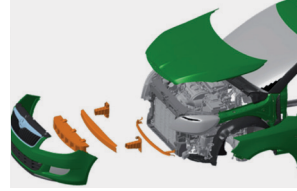
ENGINEERING DESIGN

- Body in white
- Closures in white and mechanisms



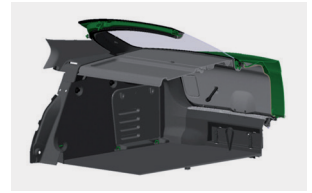
EXTERIOR TRIM

- Frontend modules
- Front and rear bumper systems



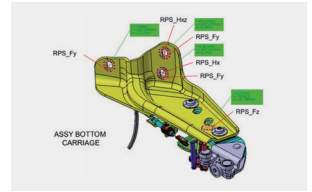
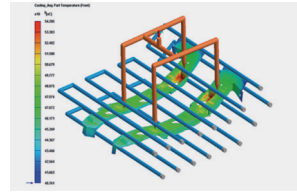
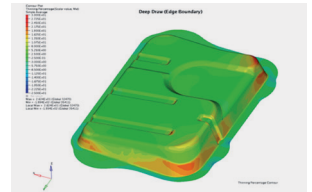
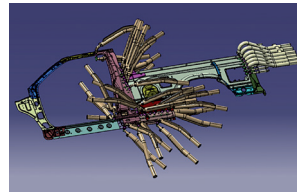
INTERIOR TRIM

- Cockpit modules
- Door panel trims
- Pillar trims
- Boot trim
- Headliners



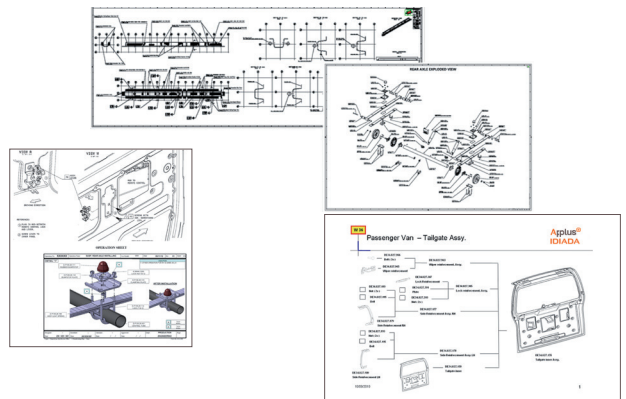
PROCESS QUALITY CONTROL

- Weld gun access studies
- Mold flow investigations
- Stamping feasibility
- Studies and optimisation of tolerances
- DFMEA



TECHNICAL DOCUMENTATION & DATA MANAGEMENT

- Bill of materials
- Assembly schemes
- Digital mock-up
- Design change request
- 2D detail and assembly drawings
- Production process assembly sheets



CONTACT INFORMATION

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