## Your partner in technology



### **ON-SITE ENGINEERING AT OEM**

## PRODUCT ENGINEERING

#### Areas of expertise •

Body in White, closures, dashboard, seats, interior/exterior trims

#### **Activities**

- ▶ Internal and supplier management in terms of quality, cost, planning and performance
- ▶ Simultaneous management of the part design with TIER suppliers
- ▶ CAD and product evolution approval
- ▶ Problem-solving using engineering tools such as FMEA, 8D and Six Sigma



# BODY IN WHITE GEOMETRY WELDING FINE TUNING

#### Areas of expertise

Body in white welding (structure, platform, side) & assembly

#### **Activities**

- ▶ Analysis & solution of geometrical issues using FMEA, 8D & Six Sigma tools
- ▶ Tests definition and performance
- Welding tools fine tuning to achieve the tolerance requested
- ▶ 3D-Measurement machine offline and online programming



#### **QUALITY**

#### Areas of expertise

Body in White, closures, dashboard, seats, interior / exterior trims

#### **Activities**

- ▶ Lead the quality management systems
- ▶ Ensure a capable process at supplier's plant
- ▶ Responsible for alerting in case of potential design issues where product/process design would have a negative effect on the product quality / functionality



#### **LOGISTICS**

#### Areas of expertise

Complete lines, manual & automated, including: dashboards, doors, motor, windscreen...

#### **Activities**

- ▶ Flow definition and set-up
- Container / Packaging definition
- Design and implementation of logistic shopstock







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#### **ASSEMBLY LINE**

Areas of expertise -

Body in White, closures, dashboard, seats, interior/exterior trims

#### **Activities**

- ▶ Development & improvement of production line processes
- ▶ Application of Lean Manufacturing concepts
- Definition and preparation of all production methods and job sheets
- ▶ Balancing, lay-out, equipment implementation, ergonomics



# WELDING PROCESS AUTOMATION

Areas of expertise

Body in White: structure, platform, side

#### **Activities**

- 3D definition & automation of processes
- Robotics simulation & industrial process analysis
- Off-line & on-line programming



#### **ELECTRONICS**

Areas of expertise
On-board network

#### **Activities**

- ▶ Work on production tools (benches, vehicle recording tools, diagnosis tools...)
- ▶ Support in solving problems in vehicle launch phase, industrialisation & product life
- ▶ Use of the main tools for on-board network analysis (CANALYZER, CANOE, CANAPE, MUXTRACE, etc.)
- Development of specific data loggers

#### **EXPERIENCE**

- Experience in Automotive project launching
- > Teams located in Spain, France, Germany and Portugal
- Support from Spain Remote expert service

