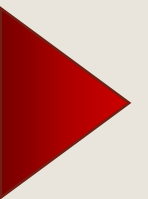
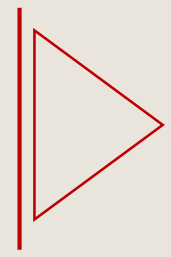
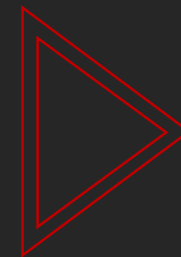


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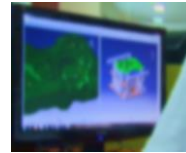
## Expertise

### Concept



- Technical support in the first steps of a product creation.
- 3D and 2D Support through concept models and master sections.
- Design evaluation, technical and functional feasibility reports.
- Design-technology convergence.
- Benchmark analysis. State of the art
- Prototyping / 3D Printing capability

### CAD



- 3D detail design and drawings.
- Assembly and kinematics design.
- Packaging and Digital Mock-Up (DMU)
- Design for quality and production. Lightweight fibers, metal and plastic materials
- Feasibility analysis. Reverse engineering

### Project Management



- Liaison between supplier and OEM
- Industrialization support and assembly processes.
- FMEA definition and implementation
- Releases and Validation into the PDM systems. Data management
- Resident engineering

#### rdc Team:

Director/ Concept:  
Roberto Del Corral  
roberto.delcorral@rdc-works.com

BCN Office/ Concept:  
Eduardo Estévez

CAD Design:  
Vikas Gaikwad

Project Management:  
Josué Barrios  
Gonzalo Porto

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## Projects

### Concept

2018: BMW 7 Series Cockpit  
BMW i Cockpit

2017: Rolls Royce Complete Vehicle  
Mini Cockpit

2016 - 2015: BMW 8 Series Cockpit

2015: BMW i8 Roadster Rear End & Trunk

2014: BMW X1 Complete Vehicle

2012: BMW 2 Series

### CAD

2017: Isolating and foam parts for Odenwald

2015: Roof racks BMW X2

2013: Interieur parts Mercedes Benz E Class

2012: Interieur parts BMW 2Series

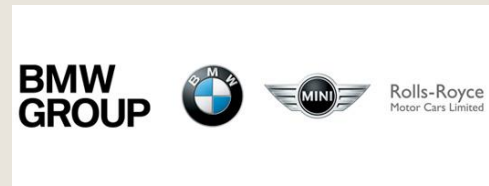
### Project Management

2018: Center Console new BMW 3 Series  
Cockpit new BMW i

2017: Instrument Panel new BMW 5 Series  
Resident Engineering for Fa. Odenwald

2016: Resident Engineering for Fa. Megatech

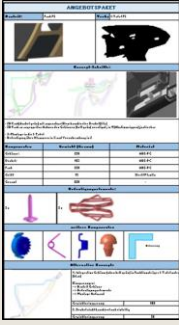
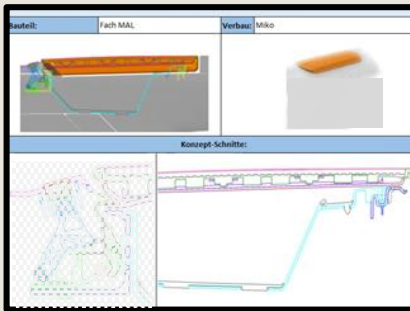
### Customers:



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## Examples

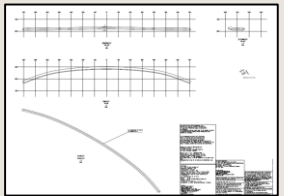
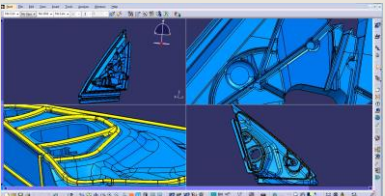
### Concept • “transforming shapes into technical concepts”



Departing from raw surfaces and sketches from the design department, we were asked to develop a technical concept for an armrest defining the different parts and components of the assembly, fixing and adjusting systems, materials, weight...

An important part of the concept development was also to define the necessary adaptations of the design to find a compromise between technic and industrial aims with aesthetics

### CAD Design • “from concept to tooling and product validation”



For Soltanmoradi and Odenwald Chemie (supplier of foams, isolating and plastic parts for BMW) we were charge to construct new parts, define and implement necessary design modifications from internal or BMW demand, create the necessary drawings and data releases

### Project Management • “managing processes for the customer satisfaction”

For BMW we support on site the SE-Teamleiter (Project Leader) of the Center Console 3 Series in all the steps of the project

