

# Company presentation

## Facts about us

Engineering from  
A to Z....

Founded in 1996, Owner-led

Customer focus: automotive suppliers and mechanical engineering

2 Locations:

Frankenthal (Head Office)

Wuppertal

Engineering Services

# Company presentation

## Our services

Engineering from  
A to Z....

- Industrial Design
- Project Mgmt
- CAD-Services
- Quality Mgmt
- Simulation (CAE)
- 3D Scanning

Engineering Services

# Company presentation

## Prototyping Network

Engineering from  
A to Z....

**Sheet Metal**

**Plastics**

**Metal Casting**

**Precision  
mechanics**

**Mold- and Toolmaking**

**Rapid Prototyping**

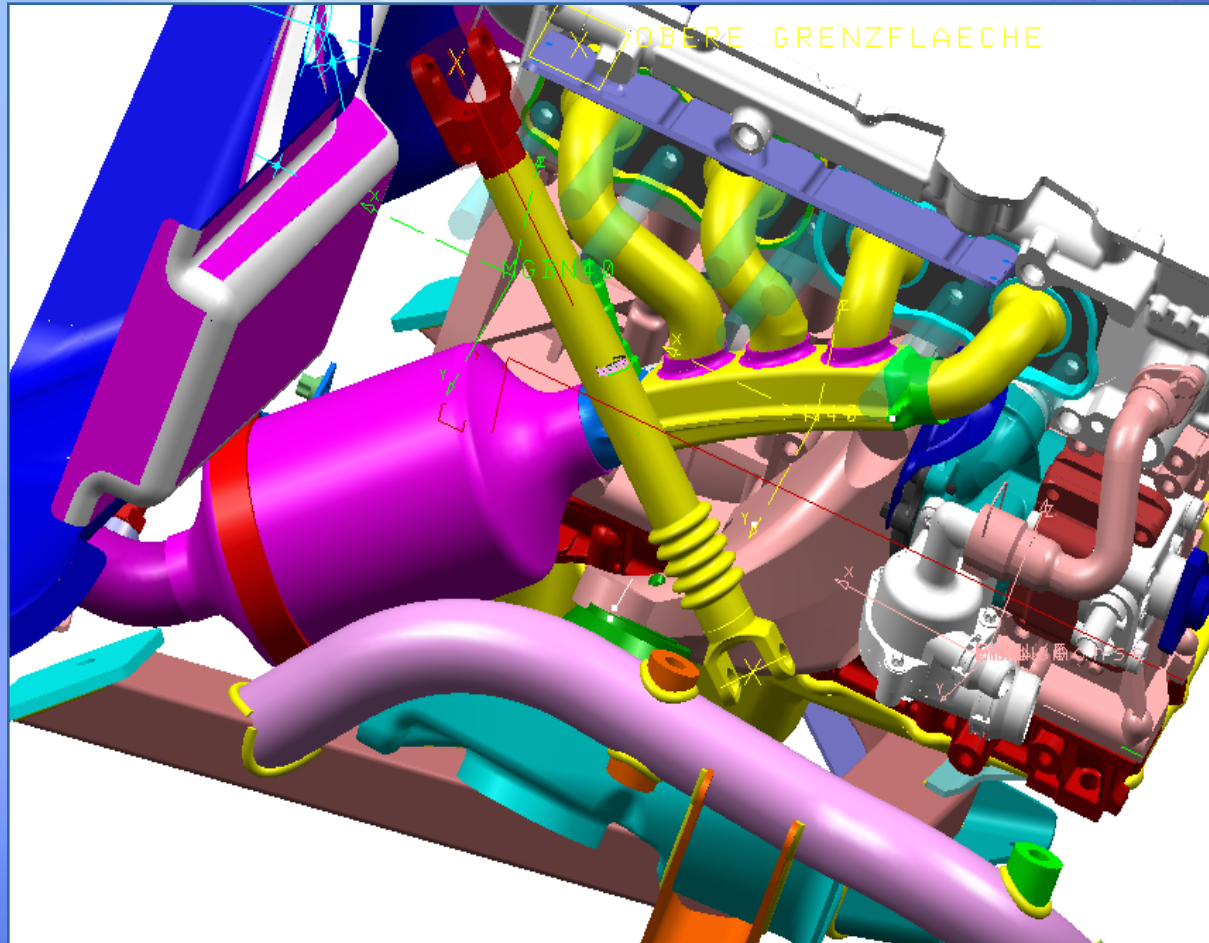
Engineering Services



# Company presentation

## Example: Packaging

Engine  
Compartment

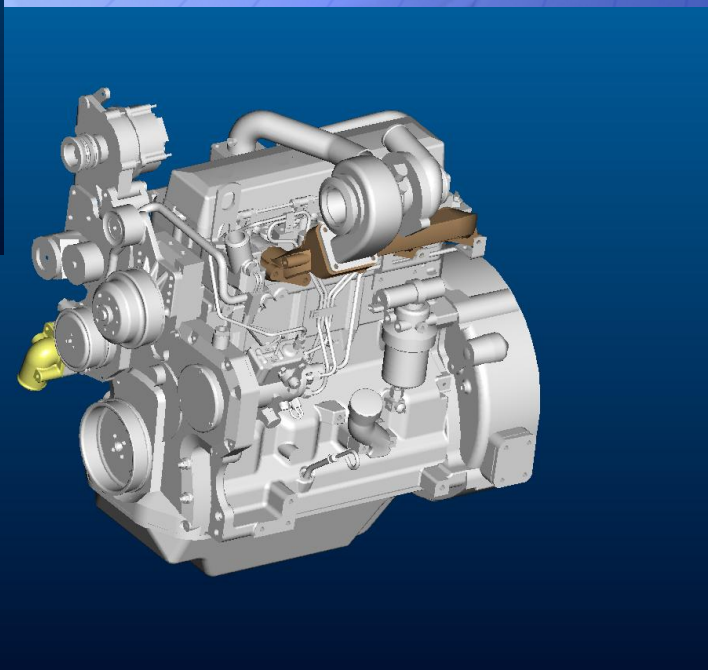
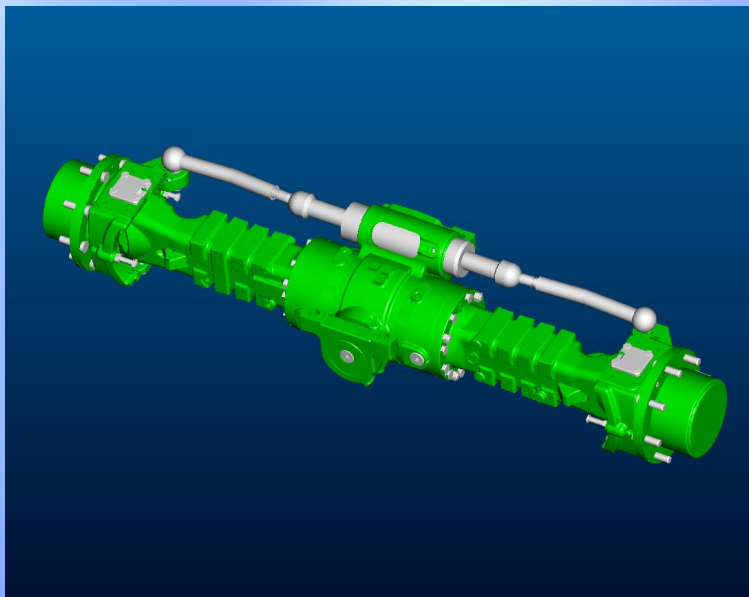




# Company presentation

## Example: Component Design

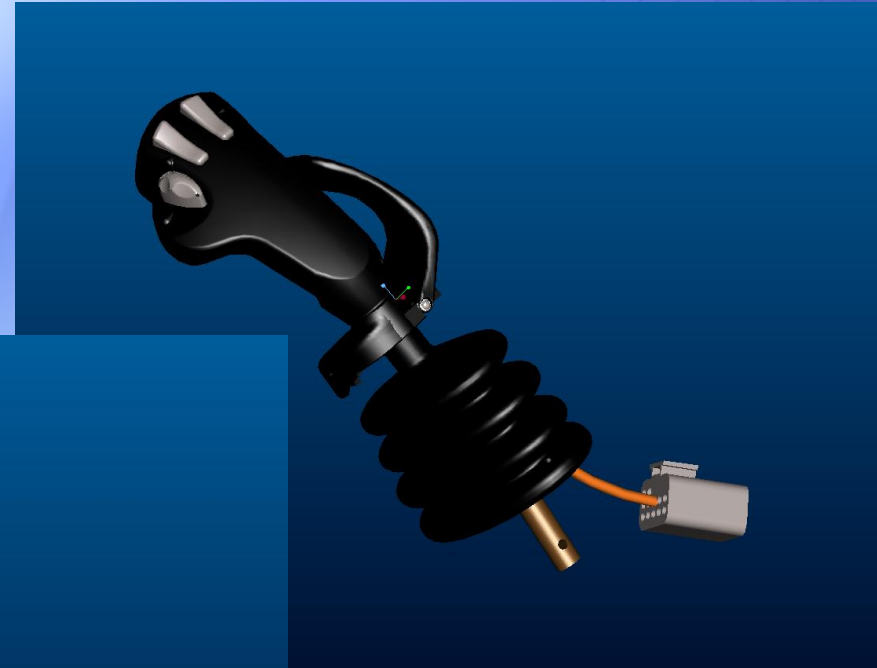
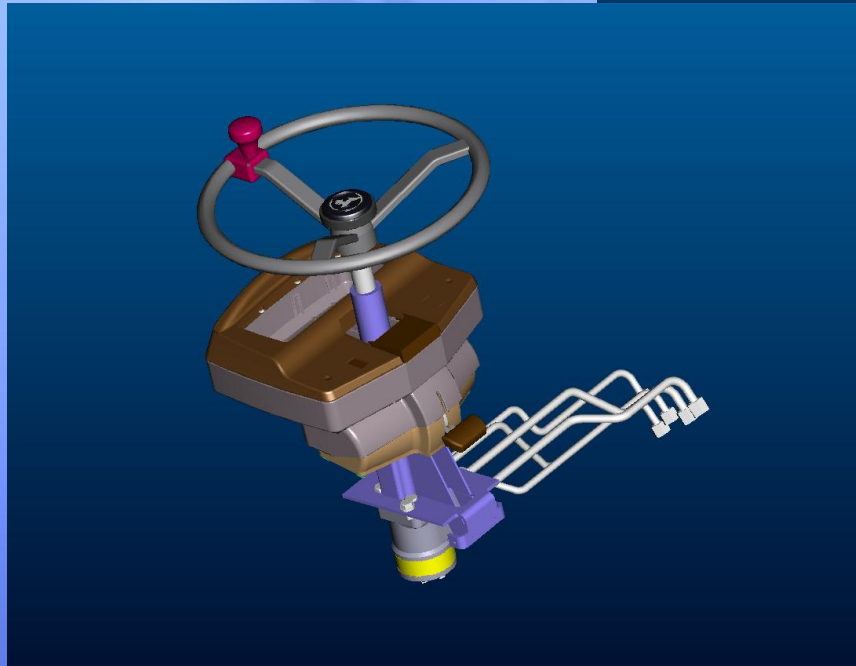
Drivetrain  
Axle, Engine



# Company presentation

## Example: Component Design

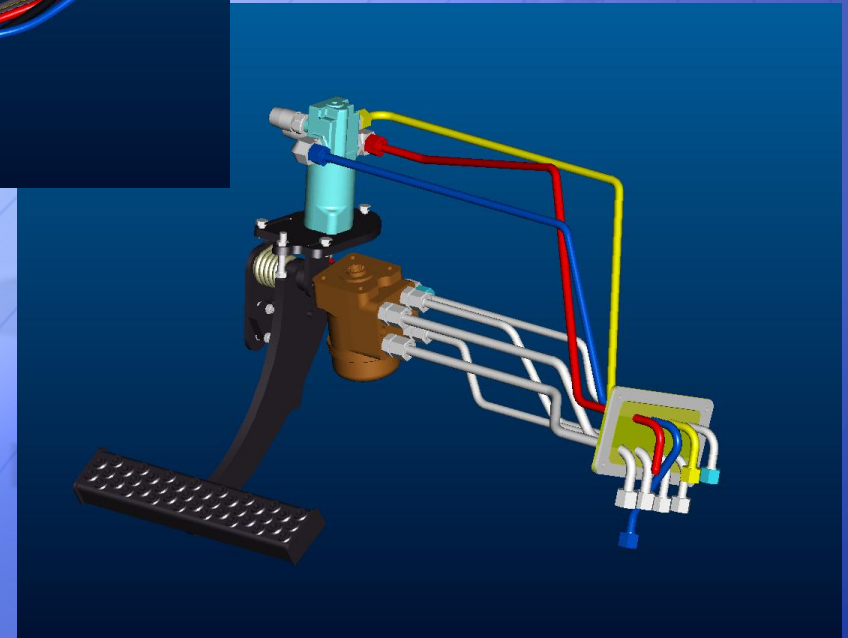
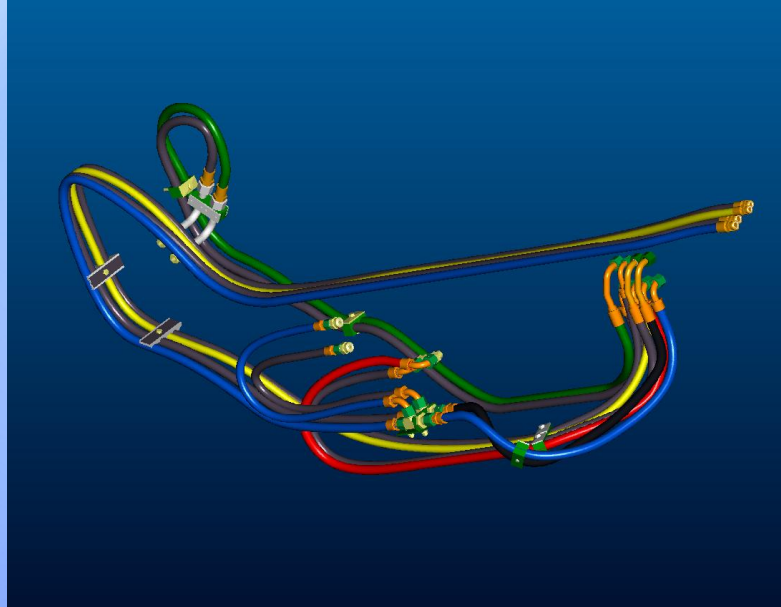
Joystick, Steering  
Column



# Company presentation

## Example: Component Design

Hydraulics

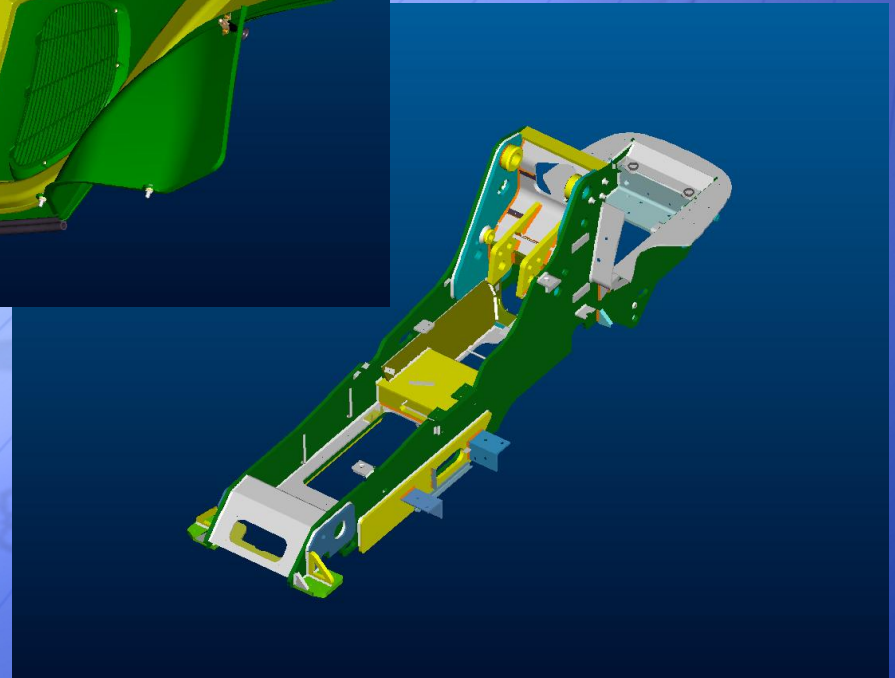
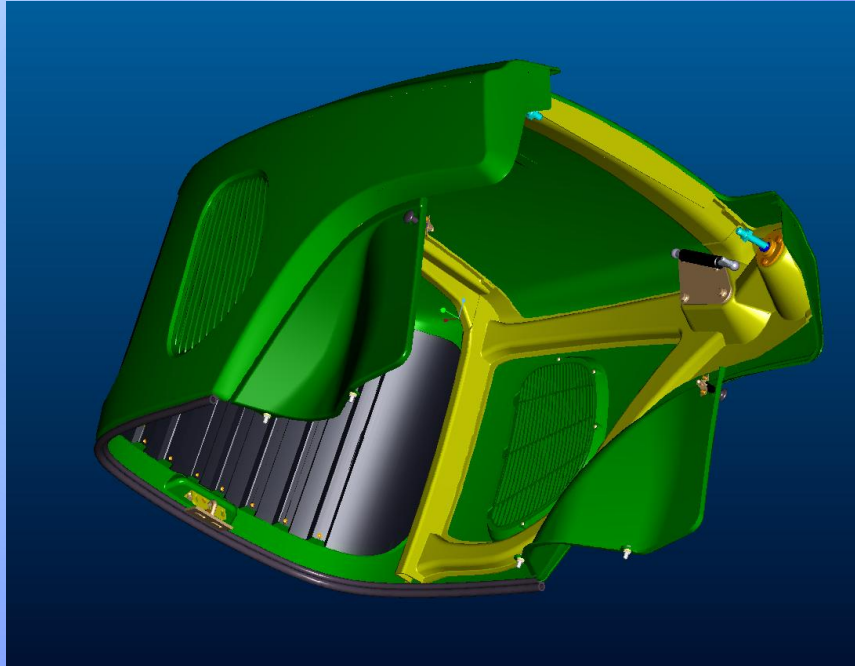




# Company presentation

## Example: Component Design

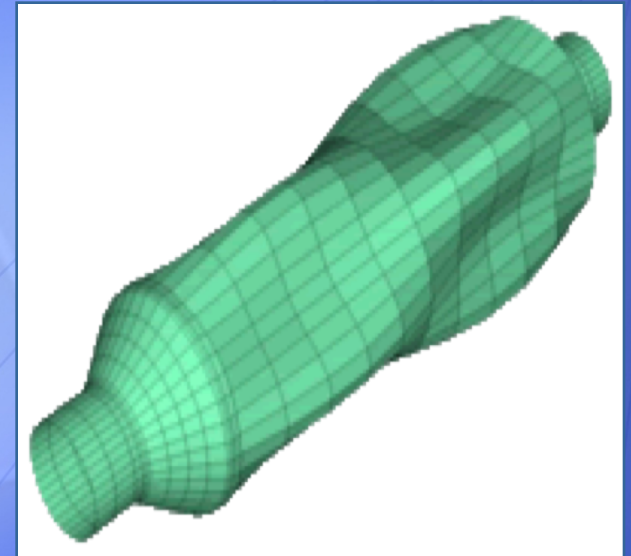
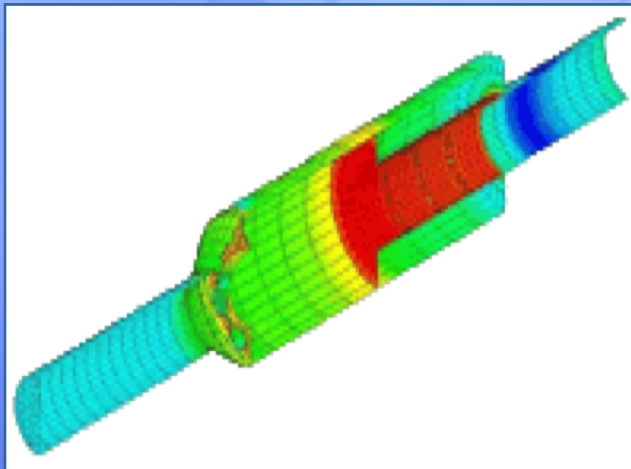
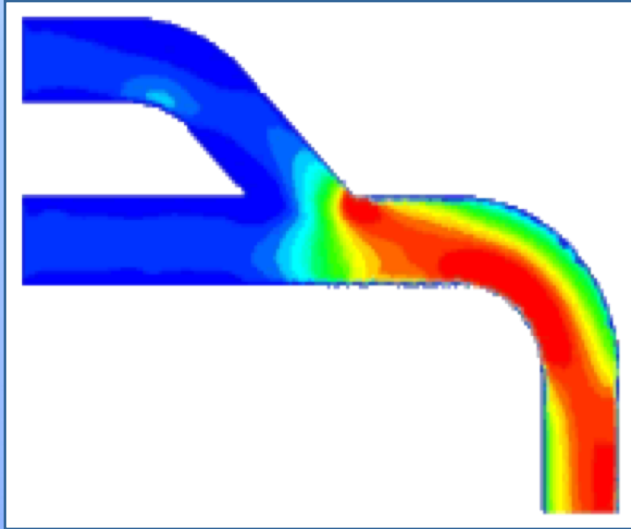
Structure  
Hood, Chassis



# Company presentation

## Example: CFD

Simulation  
Flow  
Vibration  
Acoustics

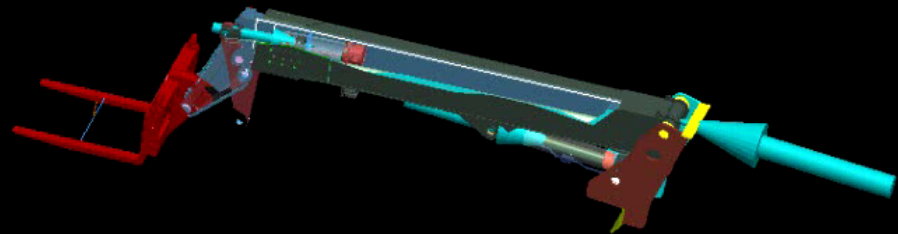
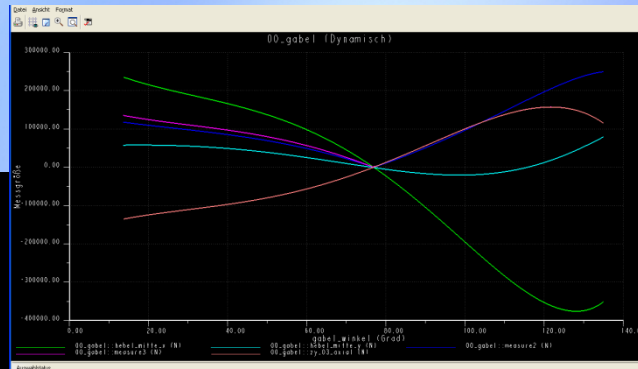


Engineering Services

# Company presentation

## Example: CAE

### Fork Lift Simulation

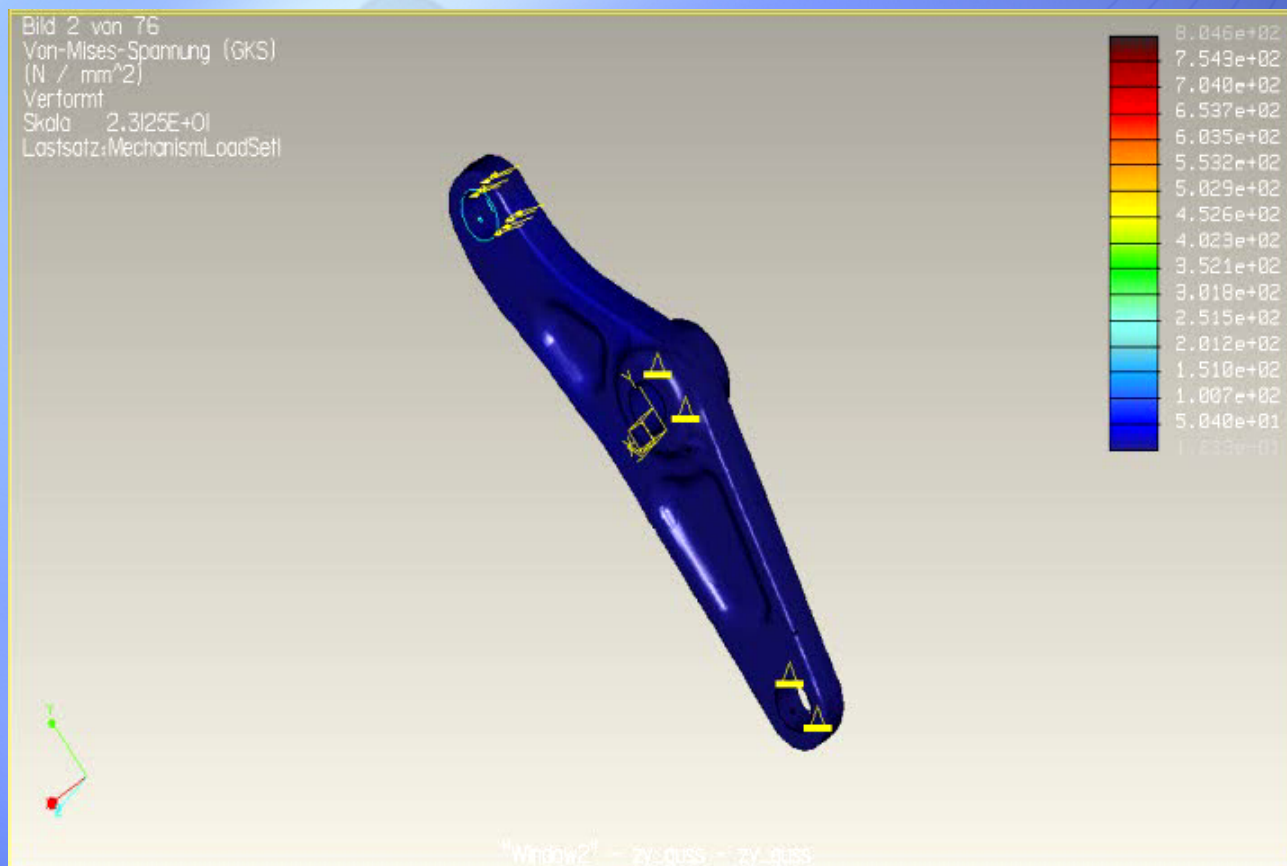




# Company presentation

## Example: CAE

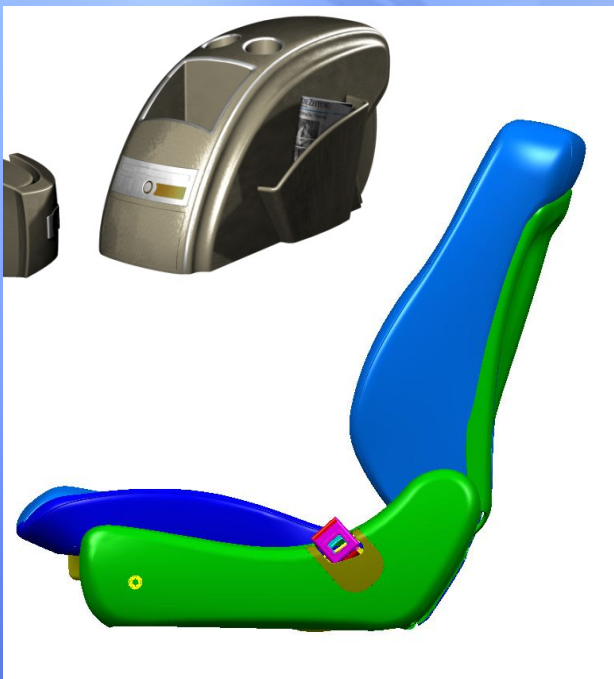
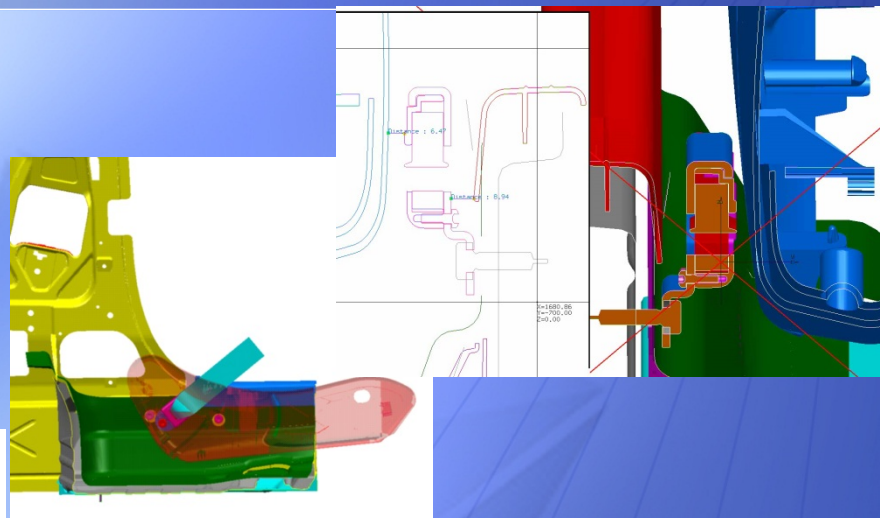
### Stress Analysis Lever



# Company presentation

## Example: Interior Design

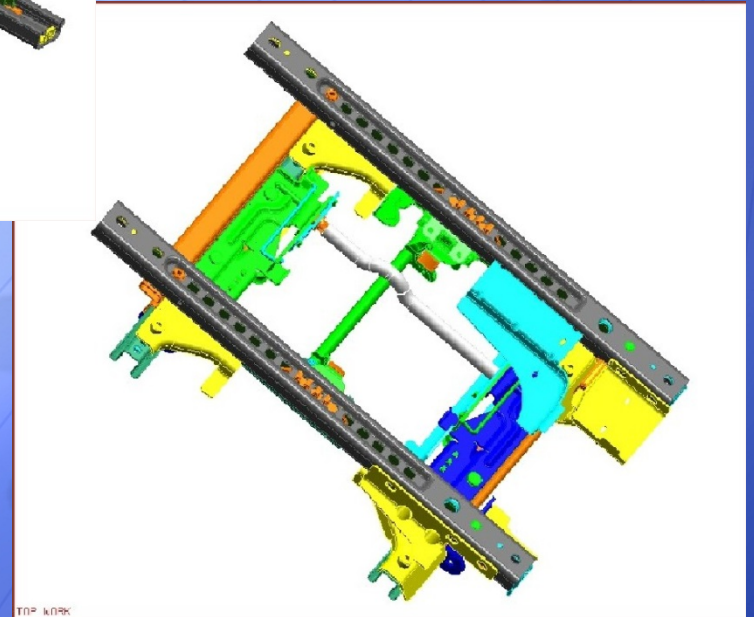
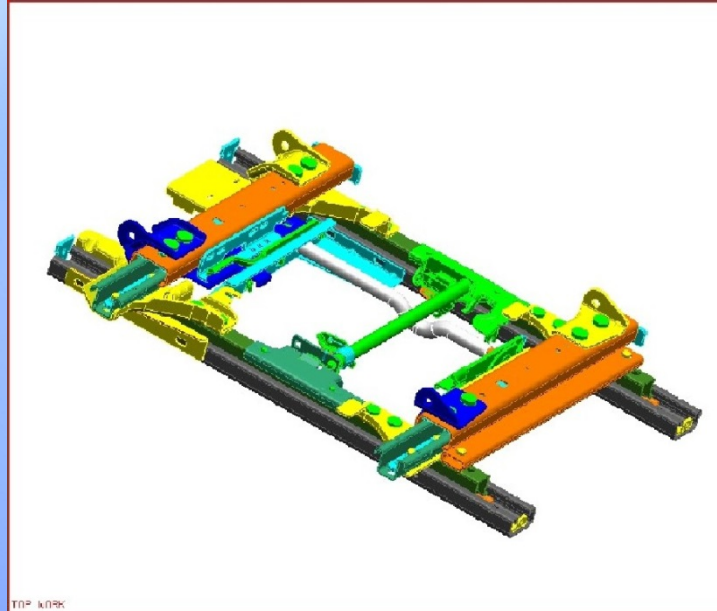
Passenger Car and  
Truck





# Company presentation

Versteller für  
variable  
Rücksitzbank

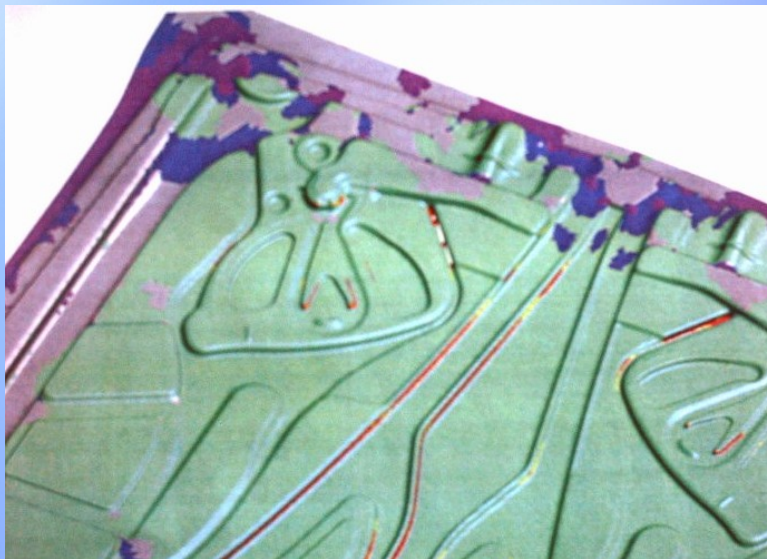




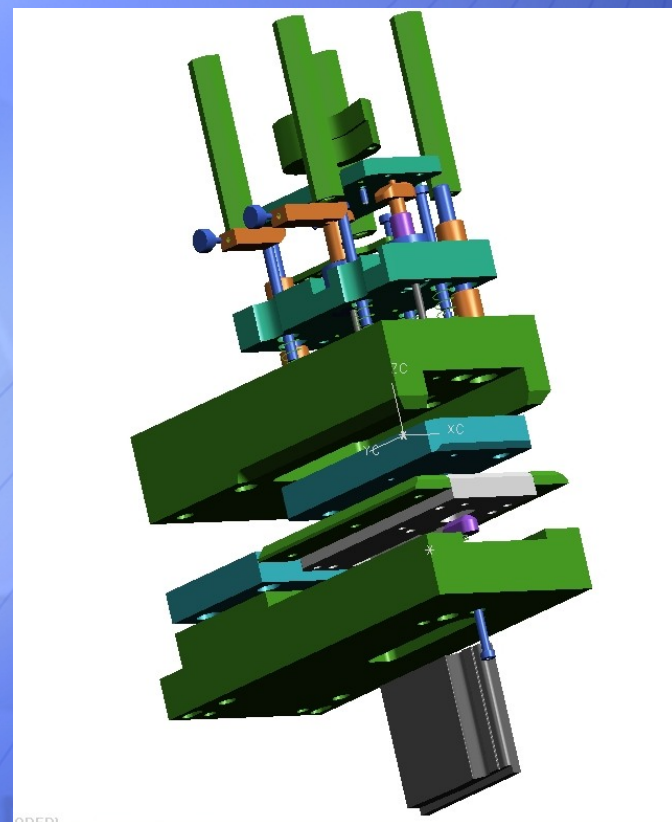
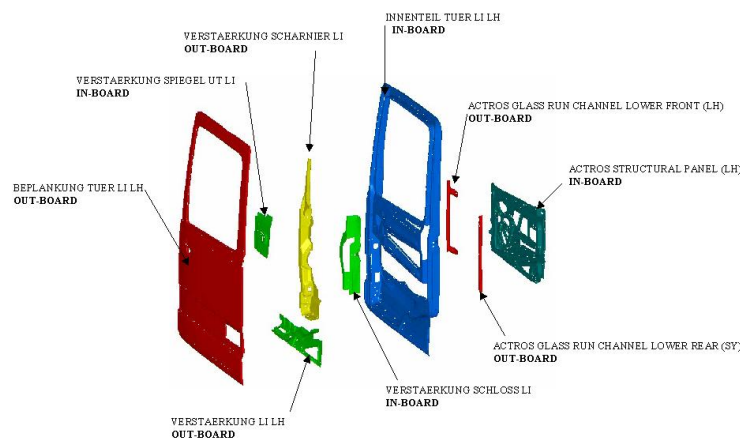
# Company presentation

## Example: Tool Design

Stamping tools:  
Truck door module  
Dish washing  
machine side  
panel



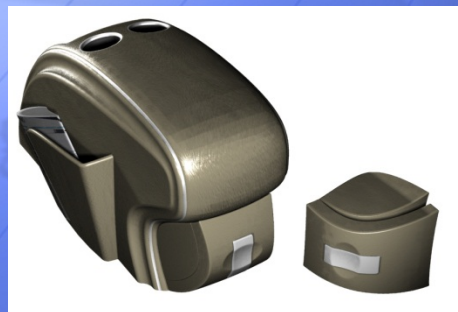
**Material Aufbaurichtung des Bleches der RBT**



# Company presentation

## Example: Interior Design

Passenger Car and  
Truck

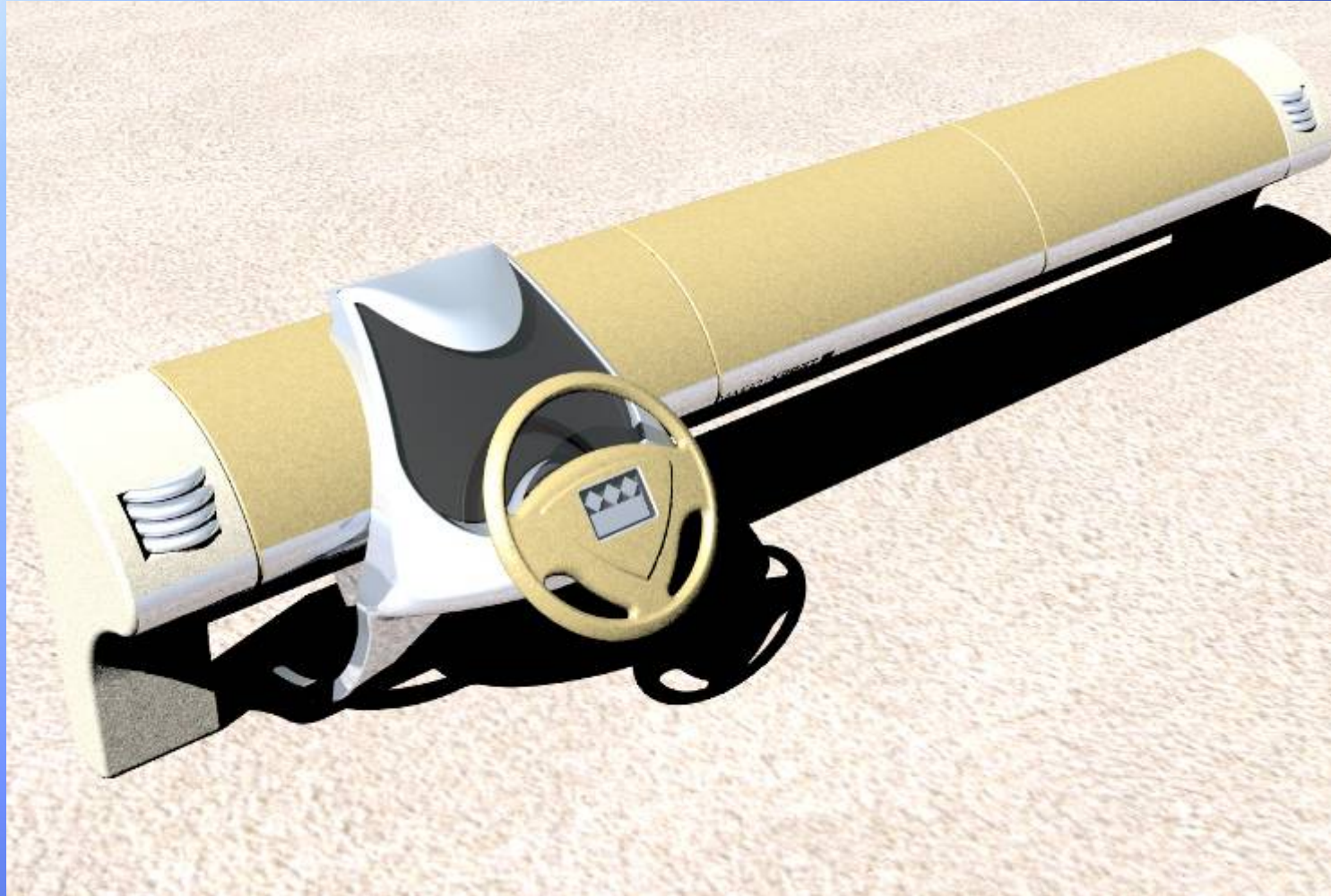




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## Example: Cockpit

Design concept





# Company presentation

## Example: System Design

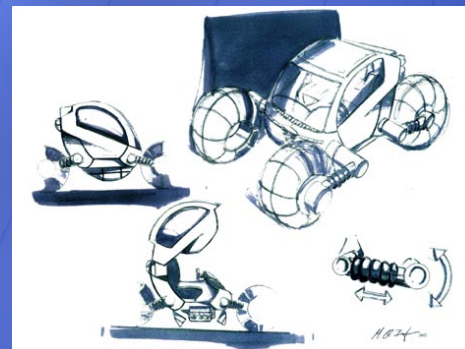
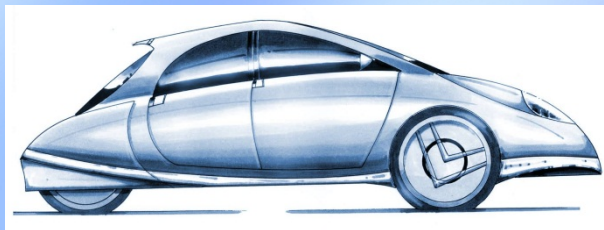
Agricultural  
machine  
Cabin (complete)



# Company presentation

## Example: Vehicle Design

Classic and  
Computer Aided





# Company presentation

## Example: Crane Vehicle

Design Concept





# Company presentation

Engineering from  
A to Z....

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Responsible: Frank Plonus (General Manager)

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