

CAR Technology - history

2000	Establishment of CAR Technology GmbH	2008	Major participation of CAR Technology GmbH in the production of the Leopard sports car
2005	Establishment of CAR Technology, spol. s r.o. Bratislava, certification DIN ISO 9001, ISO 27001	2010	The beginning of the design of car lighting systems

CAR Technology – Competences

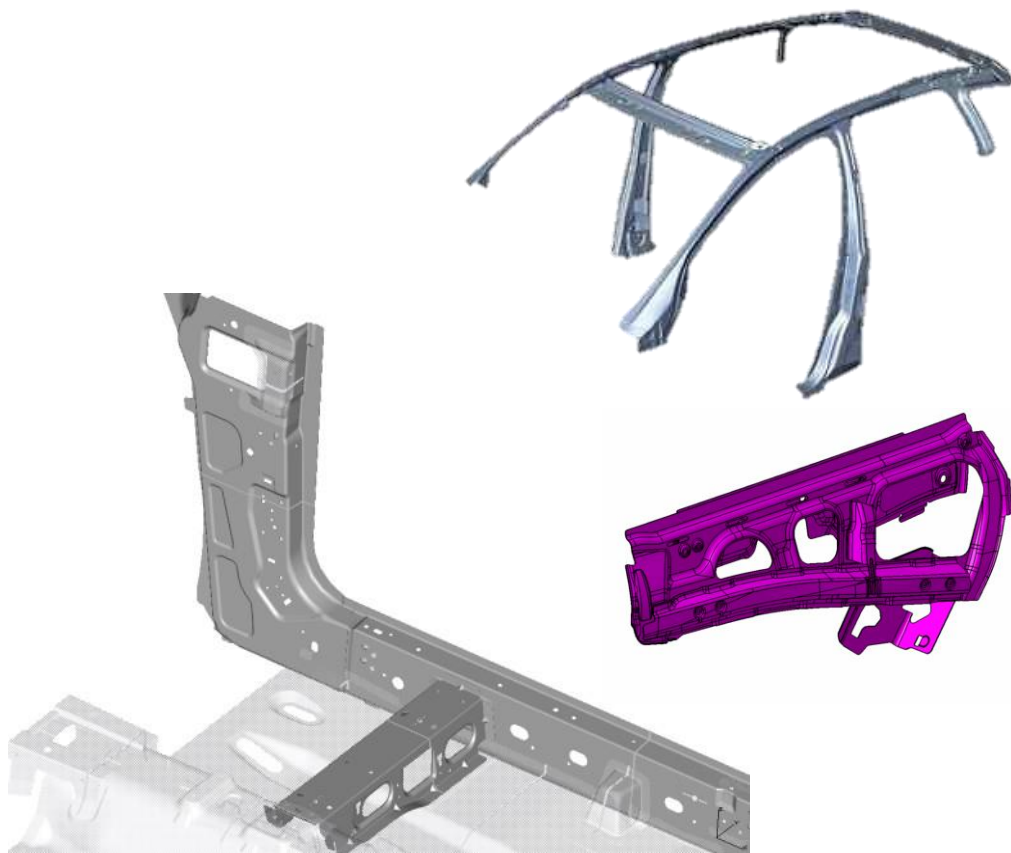
Design:

- seats
- interior and exterior parts
- body
- headlights
- sealing systems
- mechanisms and adjustment mechanisms
- calculations and simulations
- light simulations
- construction of prototypes and test equipment

Other services

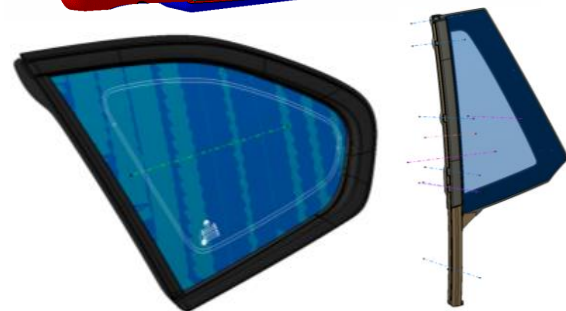
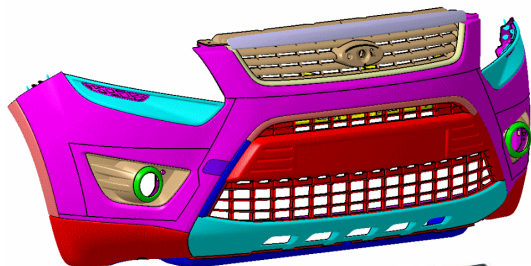
- project management and quality management
- providing engineers and technicians
- hardware and software rental
- data management and migration care

CAR Technology – body development



- project management
 - concept, design, integration:
 - raw body and door
 - bumper
 - pedestrian protection
 - body design for armored vehicles
- installation inspections
- prototyping and coordination

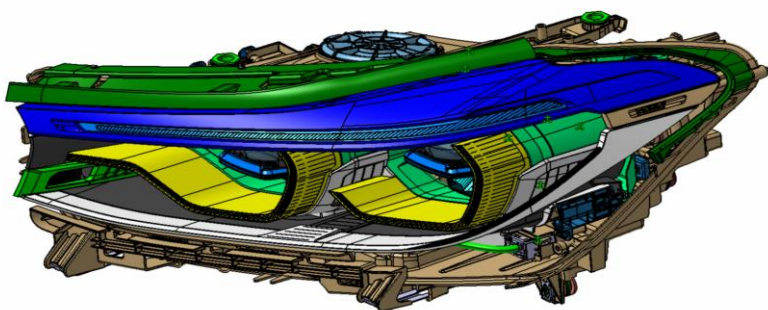
CAR Technology – Design of interior and exterior parts



Project management

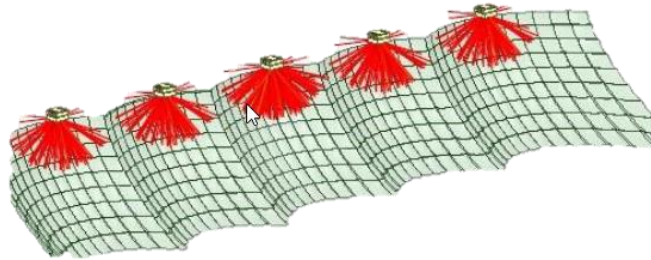
- Concept, design and integration:
 - inside lining of A-, B-, C- pillars
 - door inside lining
 - dashboard modules
 - glove compartments storage areas
 - steering wheels (Class-A surfaces)
 - ventilation and air ducts
 - exterior radiator grills, covers, glazing
 - fastenings and assembly concepts
- Installation inspections
- Prototyping and coordination

CAR Technology – Headlights

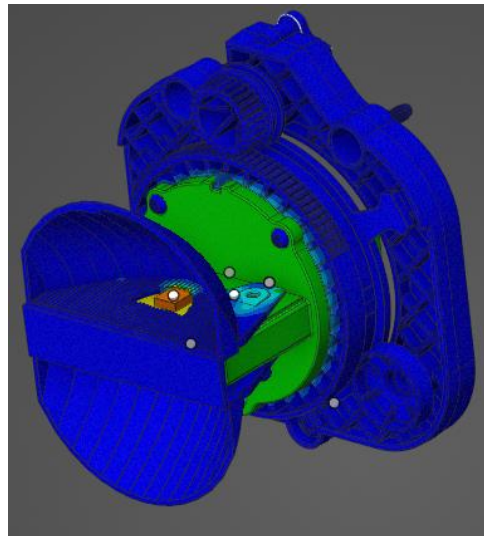
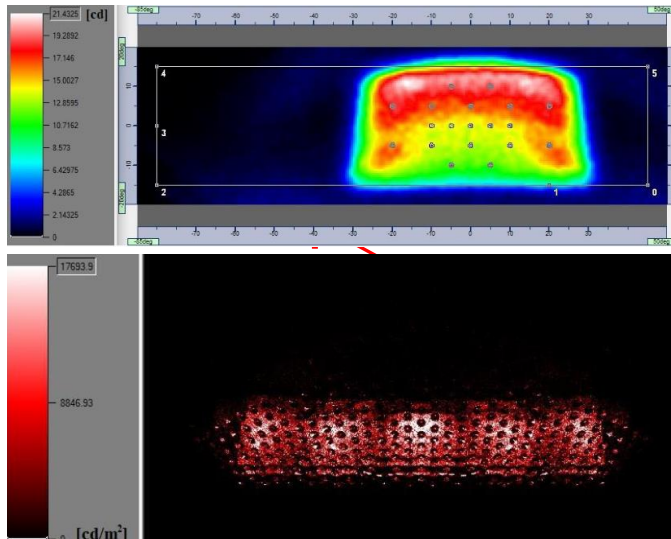


- Project management
- Concept, design and integration:
 - design of mechanical parts of headlights
 - design of kinematic parts of headlights
 - design of light-technical parts of headlights
 - design of cooling bodies and temperature management
 - fastenings and assembly concepts
- Installation inspections
- Prototyping and coordination

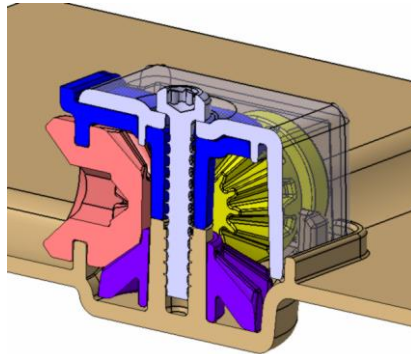
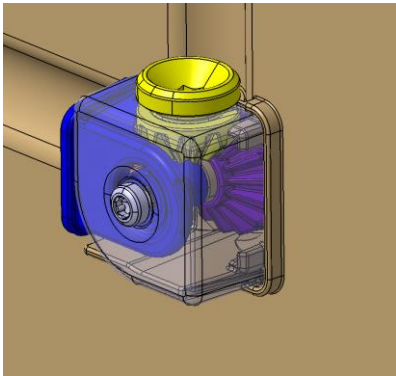
CAR Technology – Lighting- and technical simulations



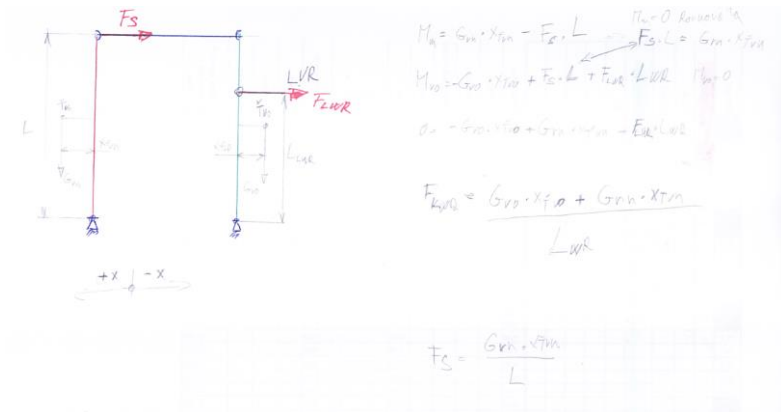
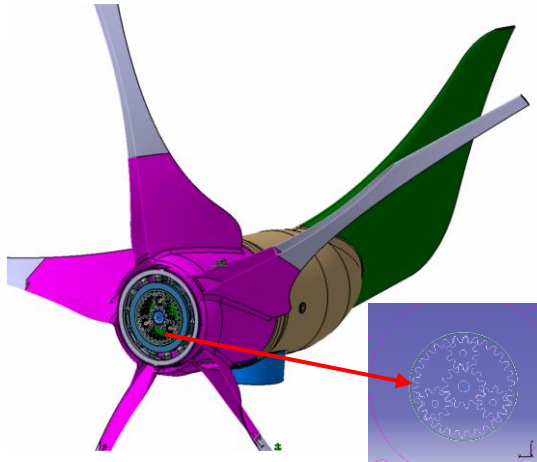
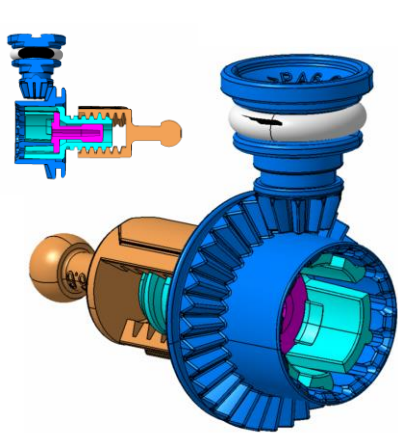
- Project management
- Concept, design and integration:
 - concept design
 - design of optical surfaces
 - optical simulations



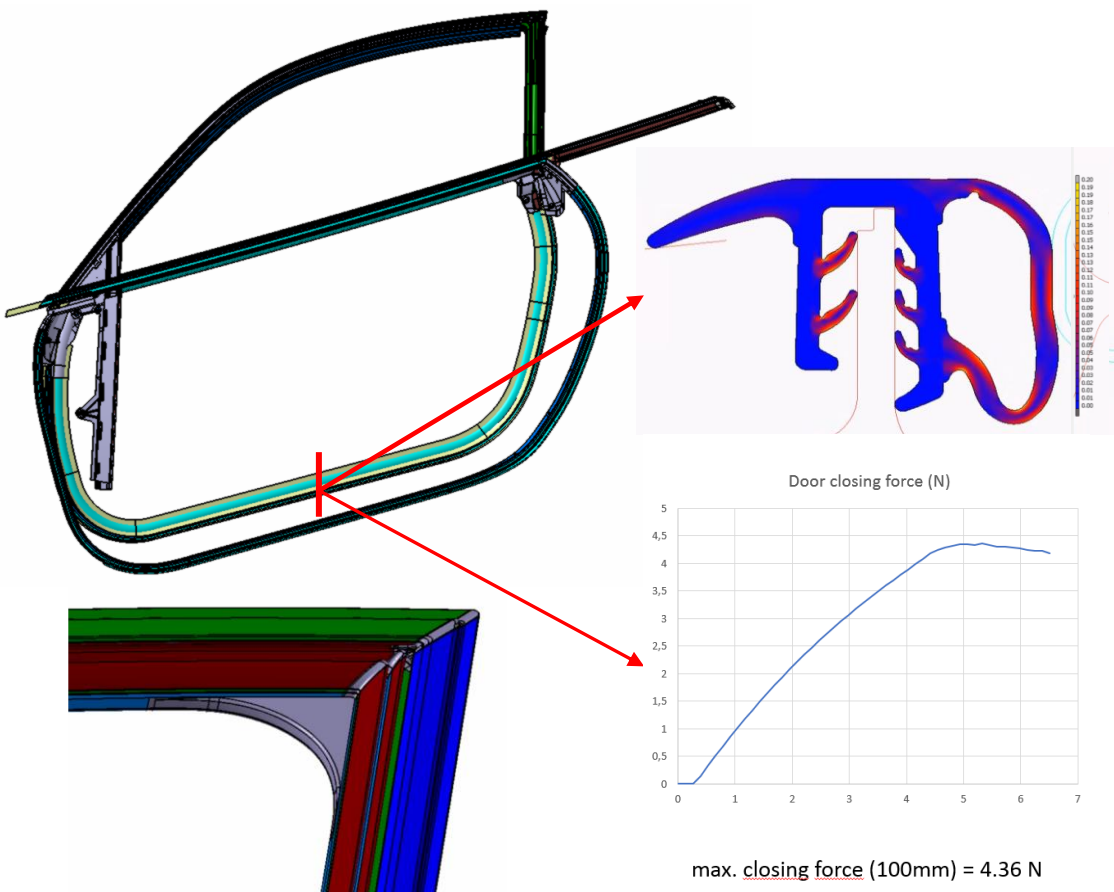
CAR Technology – Mechanisms and adjustment mechanisms



- Concept, design and integration:
 - design of kinematic systems
 - kinematic analyses and simulations
 - Installation inspections
- Prototyping and coordination

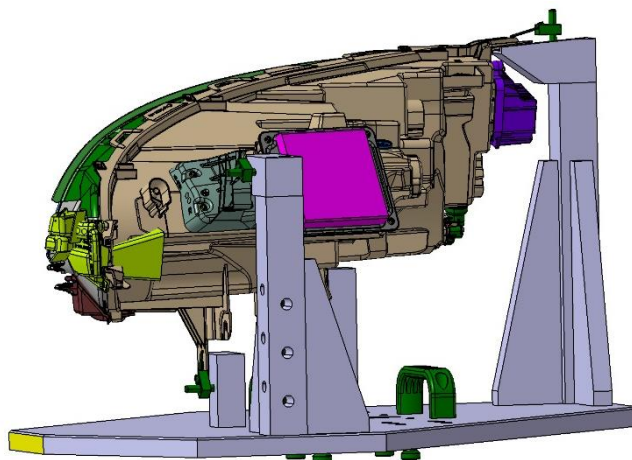
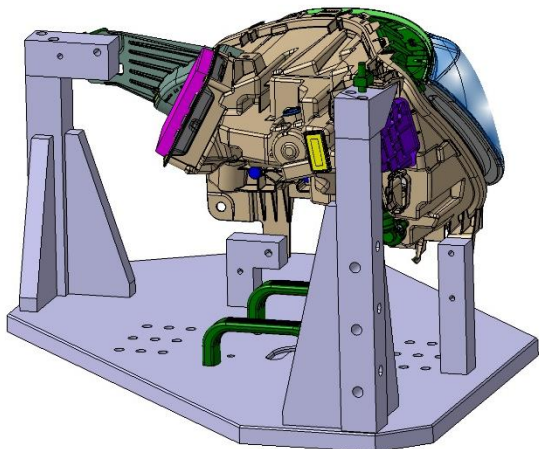


CAR Technology – Sealing systems



- Project management
- Concept, design and integration:
 - concept design
 - design of profile sectioning
 - FEM-calculations of non-linear materials
 - fastening and assembly concepts
 - construction of forms
 - Installation inspections
- Prototyping and coordination

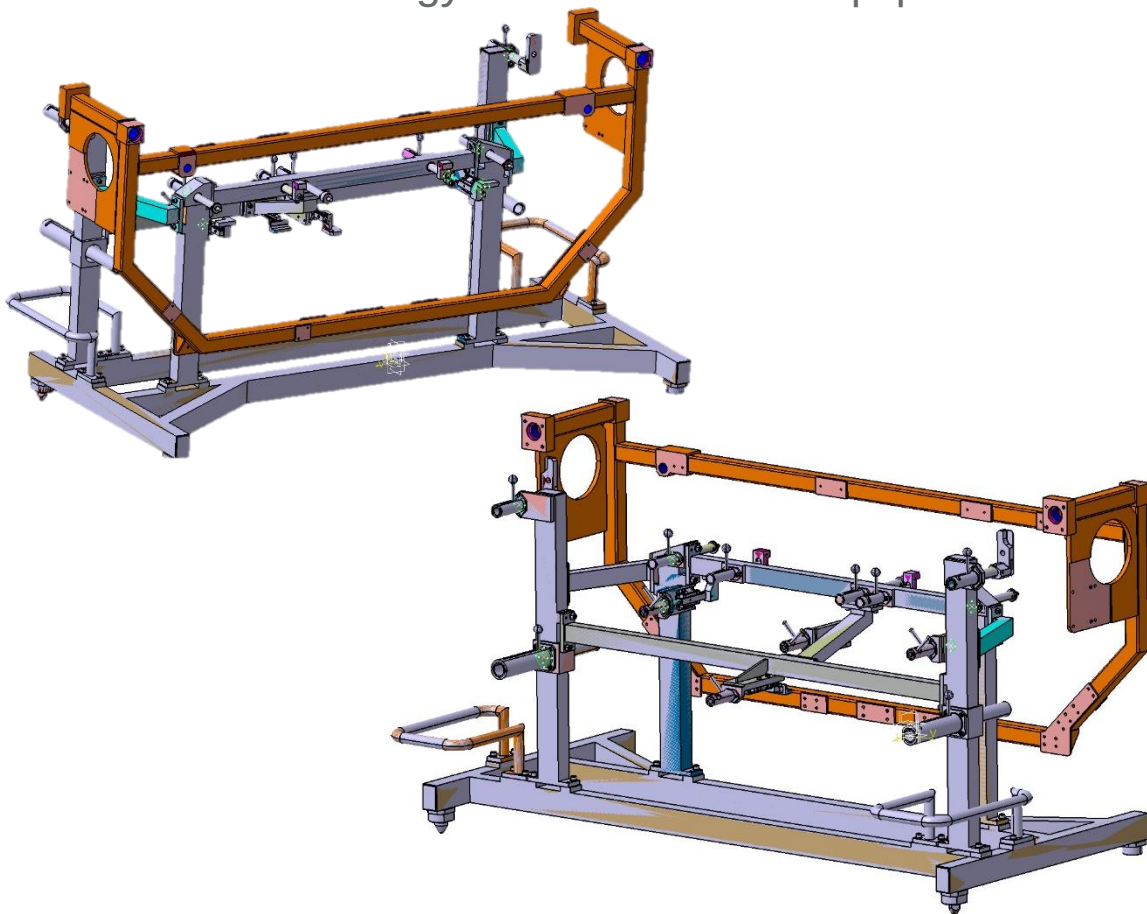
CAR Technology – Devices / testing equipment



Devices

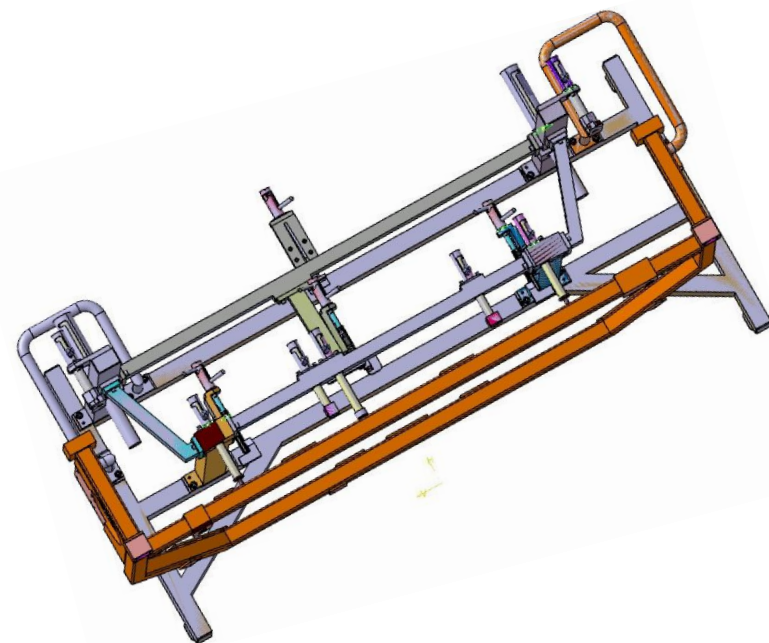
Light measuring devices

CAR Technology – Devices / Test equipment

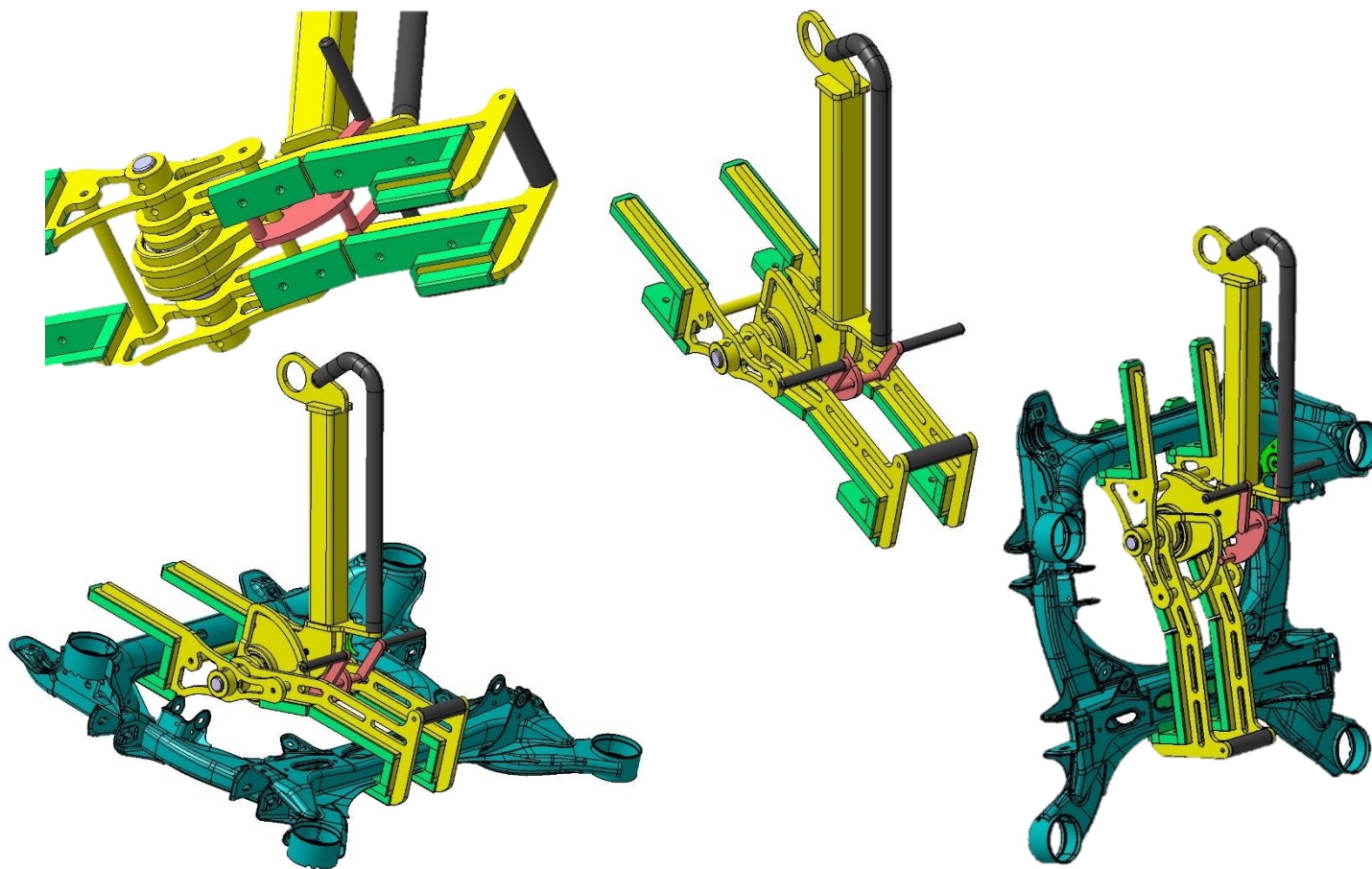


Devices

Manipulation devices



CAR Technology – Devices / Test equipment



Devices

Assembly devices

CAR Technology – Referencies

Airbus	Ford	Lear Corporation	Saargummi
ARaymond	GIF	Magna Car Top Systems	SIEMENS
Autoliv	GKN	Magna Electronics	Thyssen
Automotiv	Hella	MAN	TOYOTA Motorsport
Brembo	Huf	Moeller	Trelleborg
Catem	Johnson Controls	Montaplast	TRW Automotive
Cooper Standard	Koenigsegg	Navistar	VALEO
FEV	KUKA	Recaro	Varroc
	Land Rover	PWO	Visteon
			ZKW

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