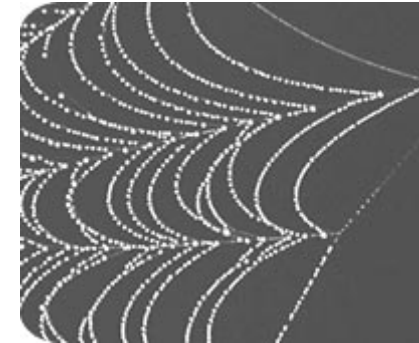


We catch
Solutions for our Customers.
carparts design



Development
Partnership



Technical Services



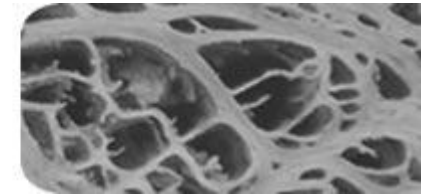
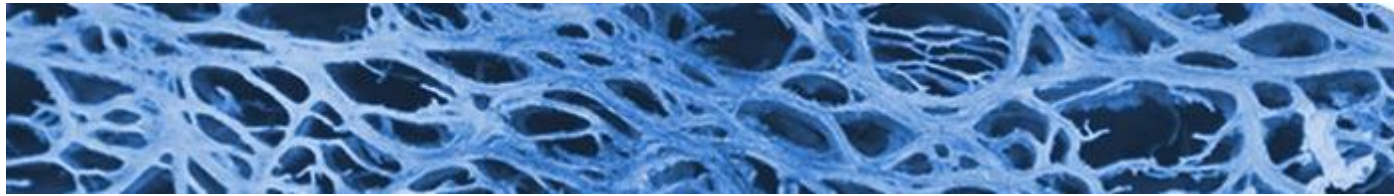
Engineering
Consultancy



In Plant Support



General Presentation



Company profile

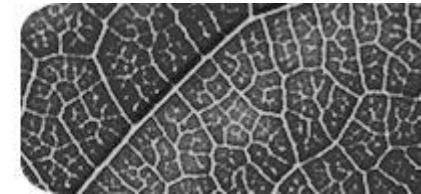
carparts design is a privately owned, long term experienced and flexible Engineering Service Supplier concentrating on the development and engineering of automotive components, systems and modules through the complete vehicle.



Foundation:	1988
Headquarter:	Bergisch Gladbach (Cologne)
Branches:	München Valencia London
Employees:	35+
Certification:	ISO 9001:2000

Mission: carparts design Excellent support on all product development necessities during the complete product lifecycle starting from early concepts up to change management during serial production.

creative.proven.dedicated.



Services - overview



Complete development and engineering responsibility as “Development Service Supplier” represented through a variety of automotive systems, modules and components from concept phase up to product homologation.



Support with a variety of activities and differently skilled resources during the development phase of a program. Activities either in our or in customer facilities. All mentioned development activities can be offered separately.



Conduct activities like benchmarking studies, reverse engineering, DoE, cost reduction activities, Eco-design, etc. Development of carparts design through continuous improvement of CAD methodologies in our team.



Support the liaison with OEM Manufacturing plants, assisting in the continuous engineering of parts, and all related activities such as in plant quality and logistics.



Technical competences (excerpt)



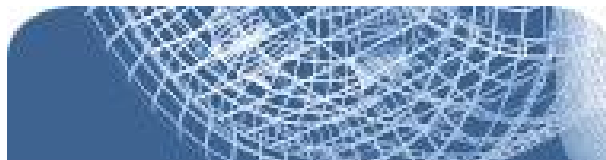
Projectmanagement / Engineering

- o Program and Project responsibility
- o Component/System Engineering
- o Validation/Test Engineering
- o Releasing
- o Advance Quality Engineering
- o Supplier Coordination etc.
- o APQP, FMEA, WERS, eFDVS, etc.



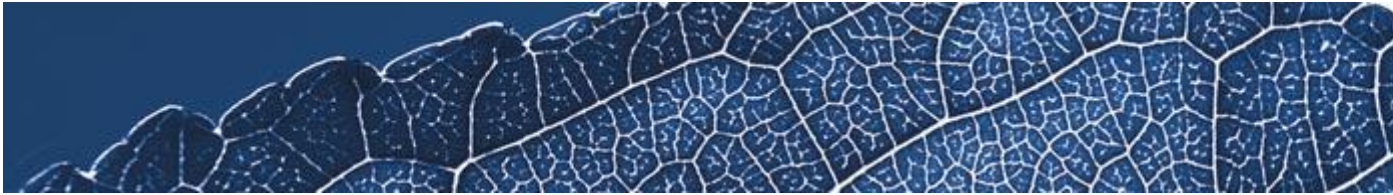
Data Management

- o Data Management, Coordination
- o Data Releases
- o Teamcenter Engineering, Autoweb, cad2transfer, Odette



Design

- o 3D-Design
- o 2D-Drafting & Detailing
- o Feasibility & Tolerance Studies
- o GD&T

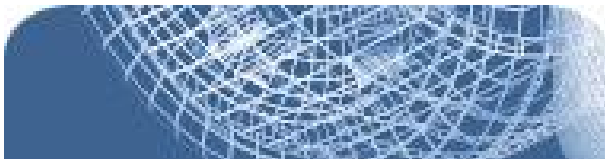


Development competences and CAD / CAE Software



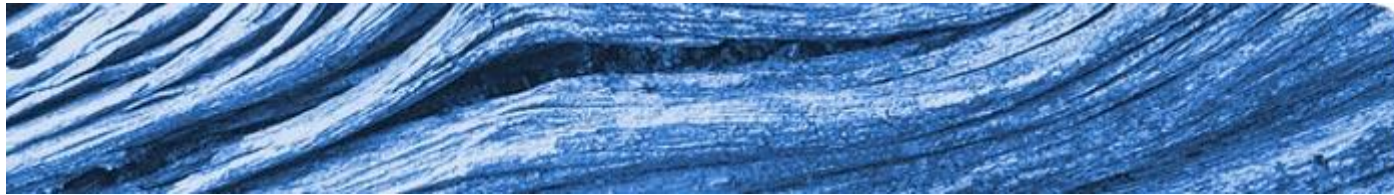
Development

- o Project Management, all engineering functions
- o CAD / CAE
- o Mould flow
- o Tooling coordination
- o Prototype coordination
- o Feasibility and follow up
- o Physical validation, liaison with suppliers, etc



Software

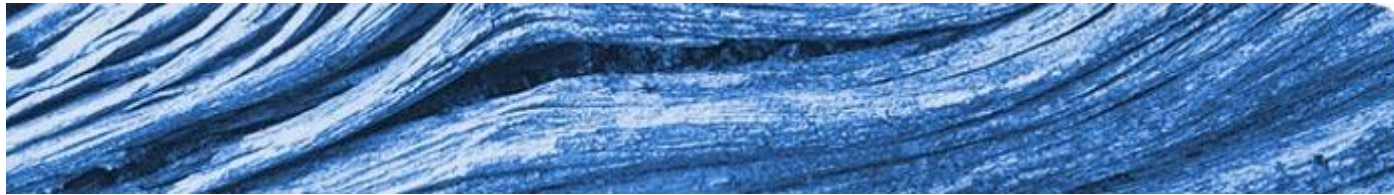
- o Catia V5
- o Catia V4
- o IDEAS
- o Auto-CAD
- o PDGS
- o RADIOSS
- o NASTRAN



FORD: Reference projects CD-Carline



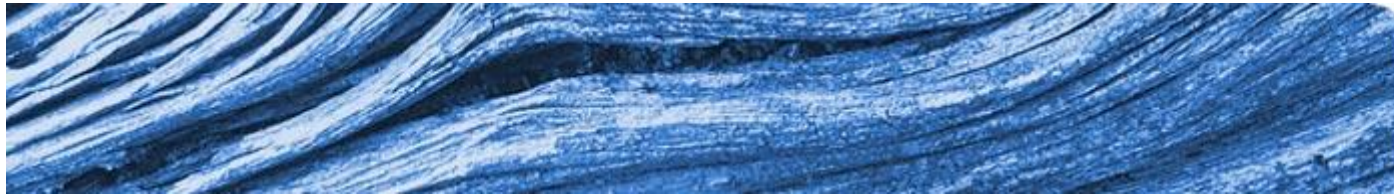
Interior:	CD132	Hardtrim Underbody shields Black Cladding
	CD340	Hardtrim, Headliner Long & Medium Overhead Console (LMV)
	CD34X	Alloy Pedal Cappings Luggage Compartment Mats Dog Guards & Load Net
Exterior:	CD132	Air Deflector
	CD345	Bumper, Sacrifice Panel, Tailgate Handle, Ext. Ornamentation Wiper
EESE:	CD34x	Alternator Starter Rain Sensor



FORD: Reference projects C-Carline



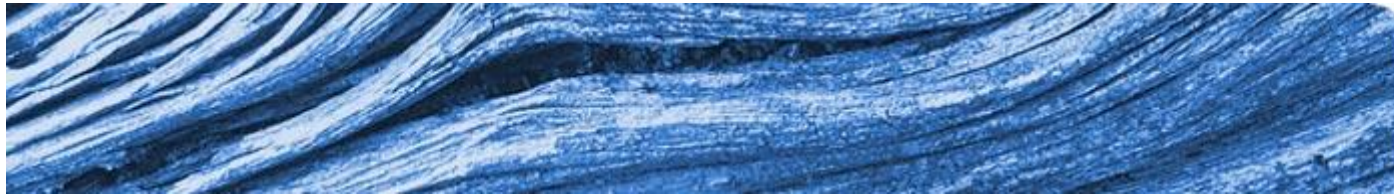
Interior:	C170	Flexi Seat Trim
	C214/307	Seat Trim
	C307MCA	Floor Console, Registers, Cupholder (for China)
	C344	Headliner & Overhead Console
	C34X	Leather Steering Wheel (VP)
all		Alloy Pedal Cappings, Dog Guards & Load Net
		Luggage Compartment Mats
		Wheels & Tyres
Chassis	all	
Exterior:	all	Wiper
	C394	Front Fender
	C344	Rocker Claddings
	C34X	GOR
	C307	Spoiler
EESE:		Rain Sensor
		Starter, Alternators
Powertrain:		Cooling Fan



FORD: Reference projects B-Carline



Interior:	B2XX	All plastic cockpit components
	B227+	Rear Seat + DVD Console
	B299	Individual Instrument Panel
		Individual Door Board
		Leather Steering Wheels (VP)
	B420	Leather Steering Wheels (VP)
		Sunblind System / Sunshade System
	B232	Leather / Wood Steering Wheel (VP)
		Luggage Comp. Insert / Trunk Organizer
	all	Foldable Luggage Compartment Mat
		Alloy Pedal Cappings
Chassis:	all	Wheels & Tyres
Exterior:		Wiper
		Tow Bar (Fixed & Detachable)
EESE:		Rain Sensor



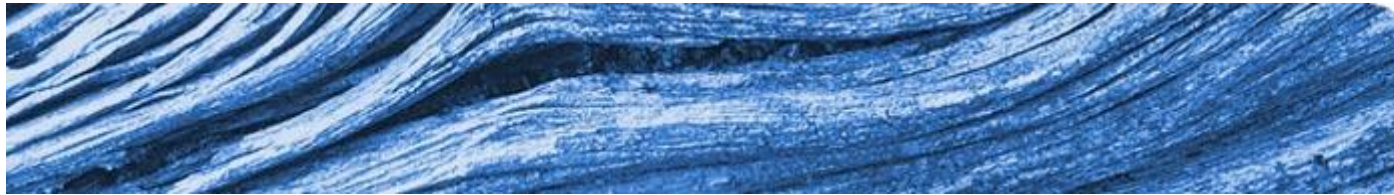
FORD: Reference projects Light Trucks

Interior: V 184/5 Hardtrim
 Seat Trim
 Cockpit Components



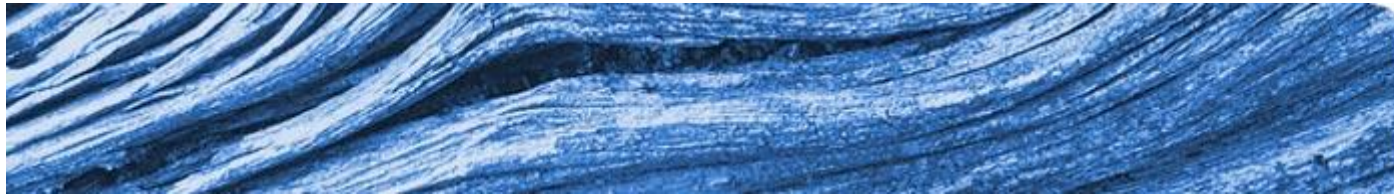
Exterior: J97 Tonneau Cover





OTHER AUTOMOTIVR CUSTOMERS: Reference projects

Interior:	Land Rover L319	Air Registers
	Jaguar X351	Louvre Fender
	VW New Beetle	Cockpit & Console
	Mercedes A-Class	Air Registers and Ductings
	Seat EXEO	Radio & Control Panel and Cupholder Mounting Structure
		Cockpit Front Moulding
		Central & Lateral Defrost Grilles, Air-Ducts,
		Tolerance Concept for Cockpit Peel and Substrate
		Airbag Guide, Airbag Support
Exterior:	MCC Smart ff	Front Module
	Audi Q7	Fuel Filler Cup
	„new“ Bentley	Fuel Filler Cup
	Citroen C3	Body Side Mouldings
	„new“ Renault	Spoiler
		Liftgate Handle



NON AUTOMOTIVE CUSTOMERS: Reference projects

Furniture Industry: Titus+ / HUWIL

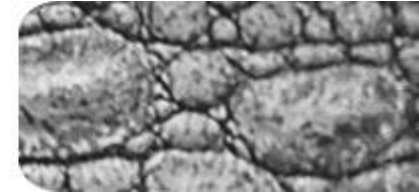
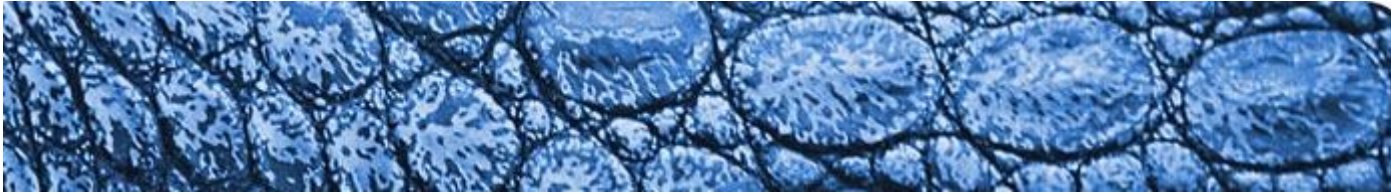
Lift up Systems

Lid Support Brackets



Customer – actual references





We are looking forward
to collaborating with you !



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