



Prodiz Engineering
Profesyonel Design

BURSA

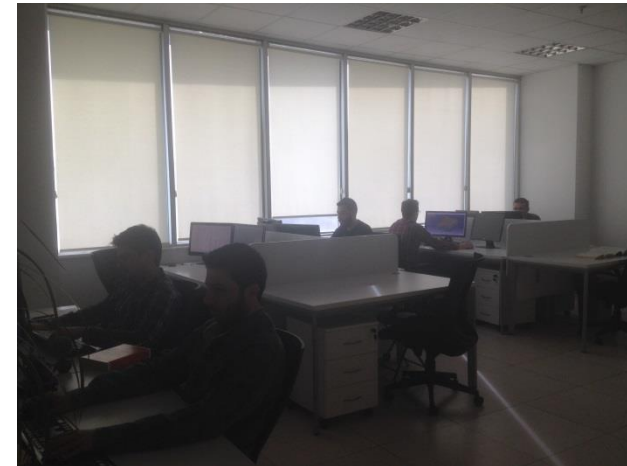
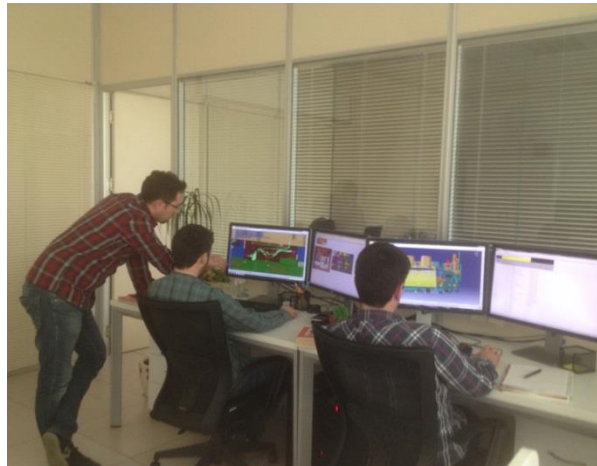
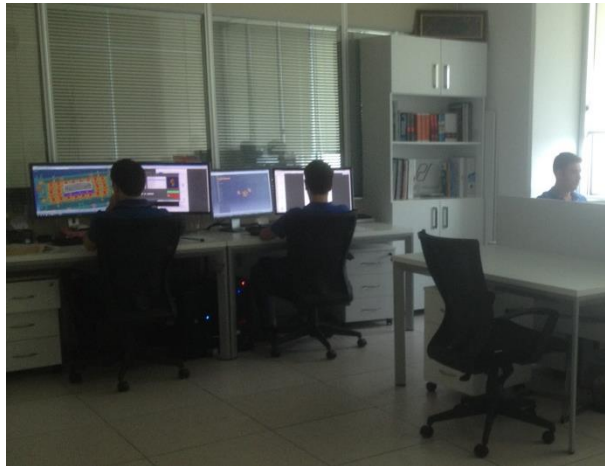
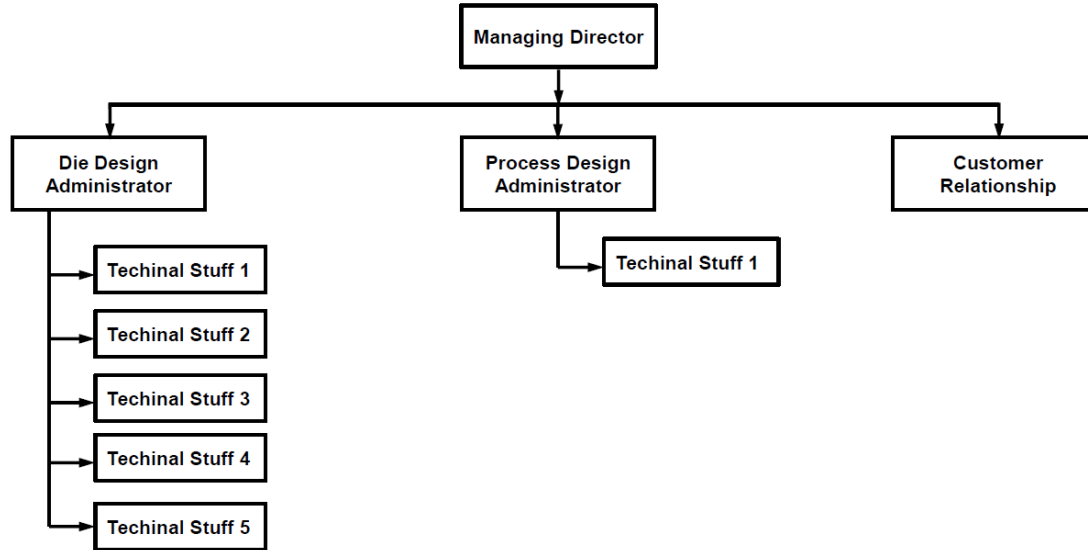


About Prodiz :

- Founded in Bursa-Türkiye, in May-2012.
- 2 founders and 5 designers, totaly 7 well educated staff.
- More than 12 years experience in Die Production Industry.
- Founders worked in OEM (Tofaş, Fiat Turkey) about 6 years as Method and Die Design Resposable, 1 year Project Management.
- Have enough experience outer and inner panel parts, UHSS parts.
- Use Autoform for simulation and Catia V5 for design.
- Have references from OEMs and Suppliers in Turkey and some engineering offices from Italy and Germany.
- Our language skills are English and Italian , in addition externally German support.



Organisation Chart :

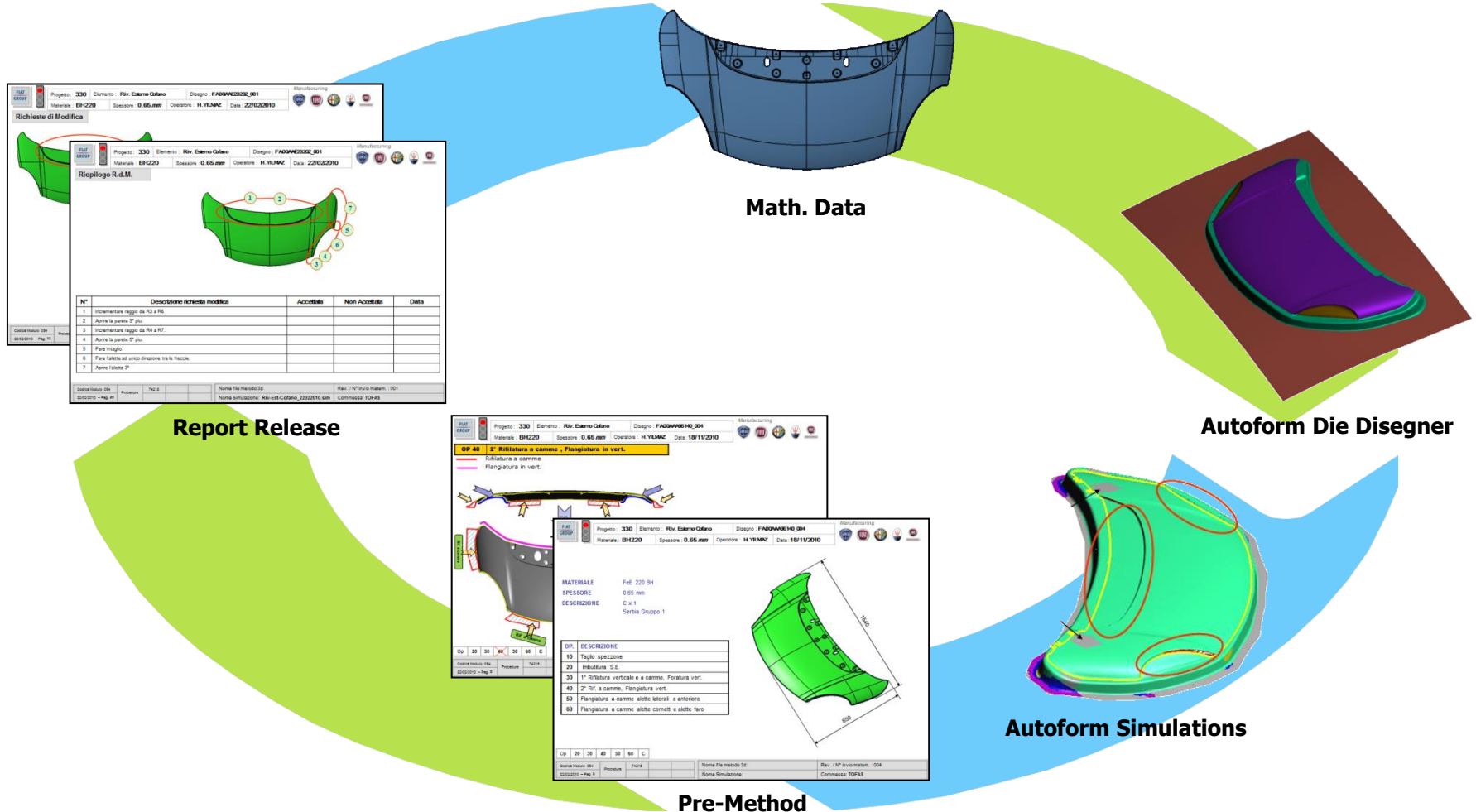




Service Issues :

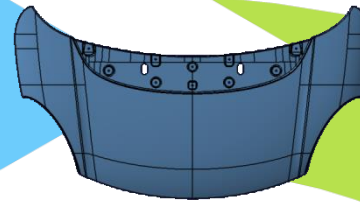
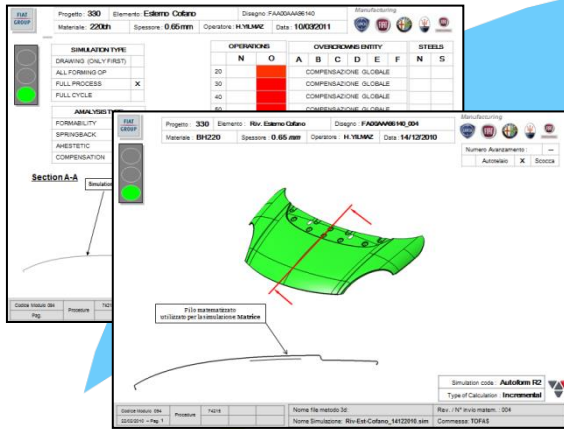
- Feasibility Analysis
- 3D & 2D Process (Method) Design
- Springback Analysis and Compensation
- Die Design(Tandem, Transfer, Progressive)
- Specialized Machine Design and Mechanical Solutions
- Project Management
- Training and Consultancy

Feasibility Period Cycle

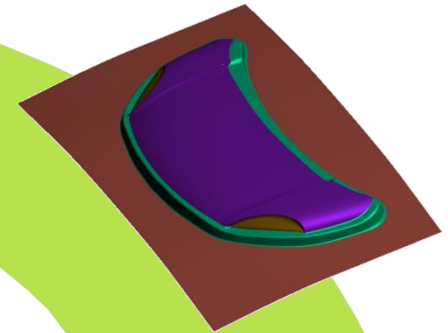


In the early development phase , we can evaluate the feasibility analysis of sheet metal parts. Here we are able to cover all the necessary process steps such as Operations Planning for preliminary costing and simulation methods for the planning tool design.

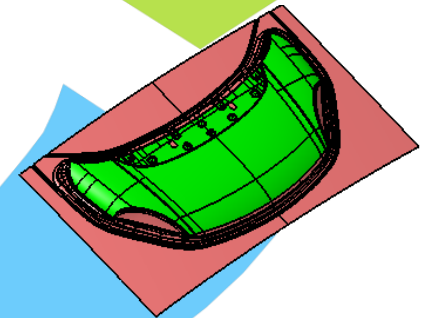
Process Design Cycle



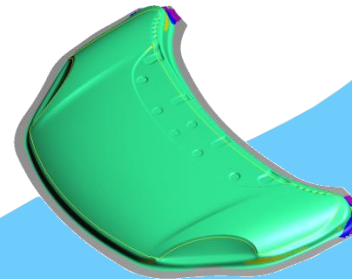
Math. Data



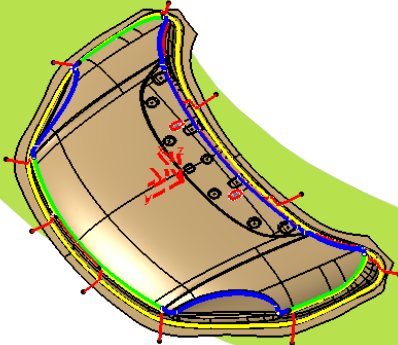
Autoform Die Designer



CAD Modelling



Autoform Simulations

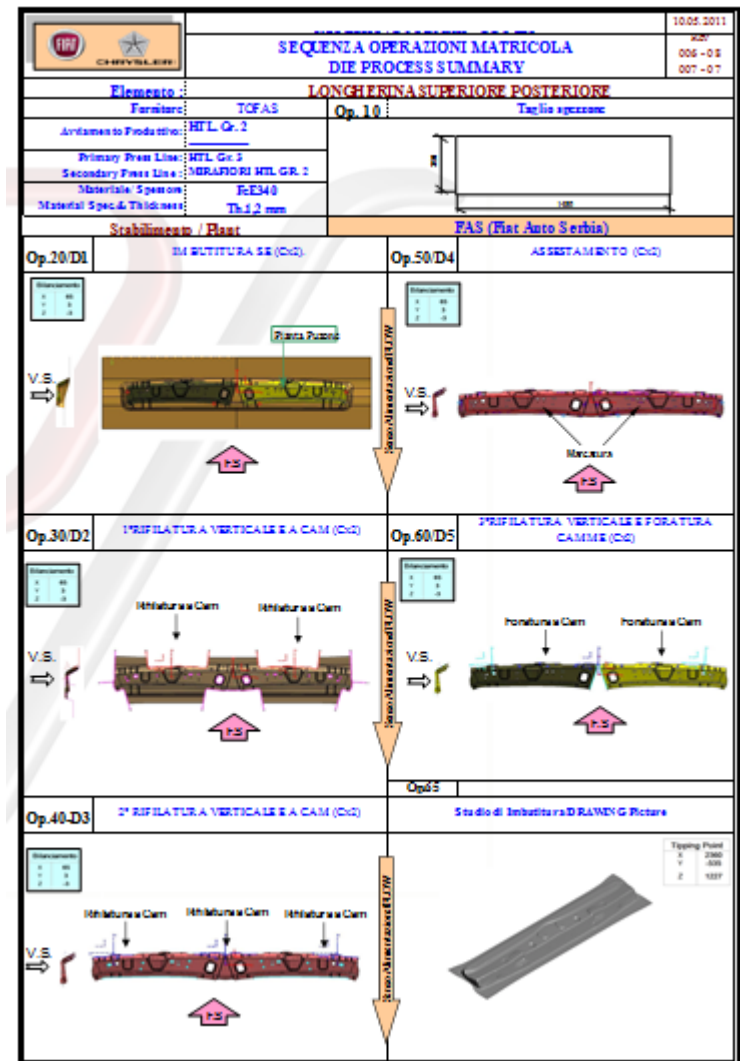
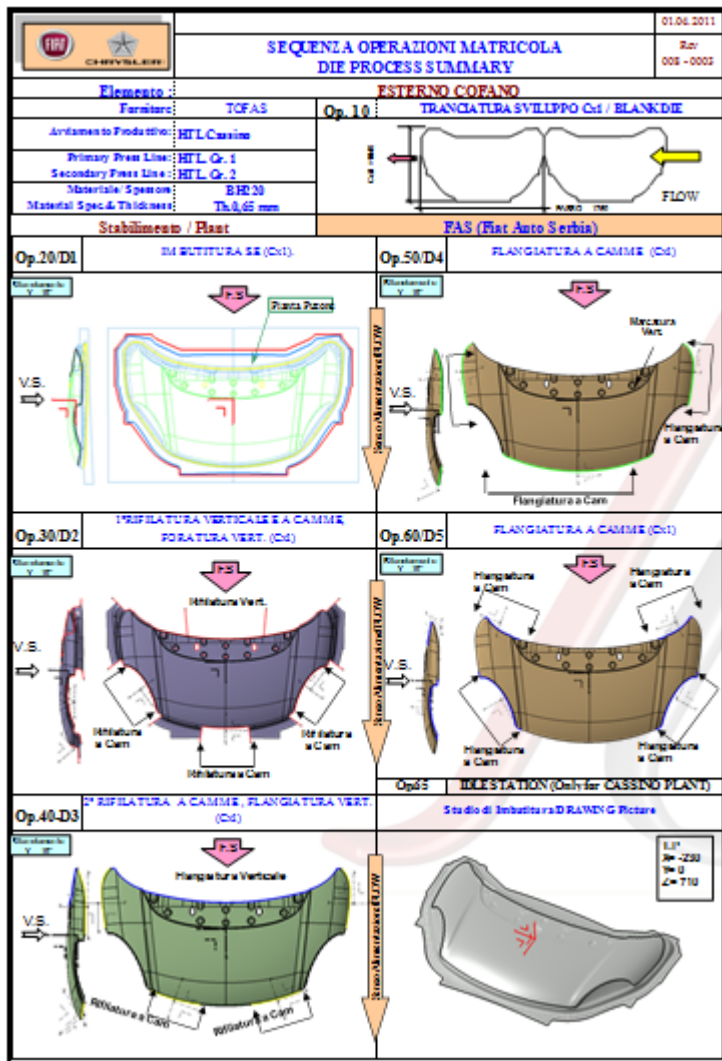


3D Process Design

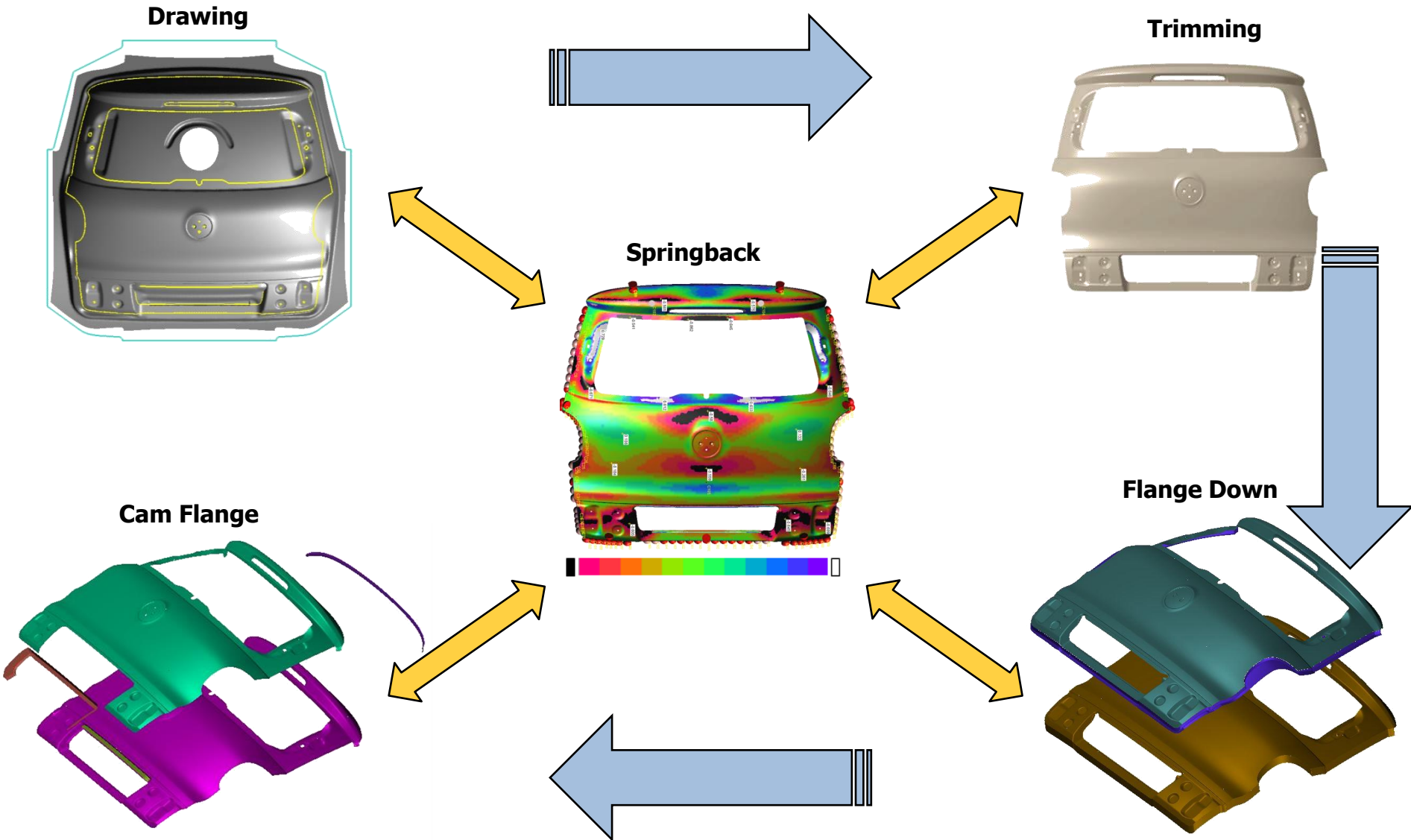
Report Release

With simulation and process design, we can specify the number of necessary forming stages and the required pressing forces. We can take actions during process design for the potential risk and for a robust production.

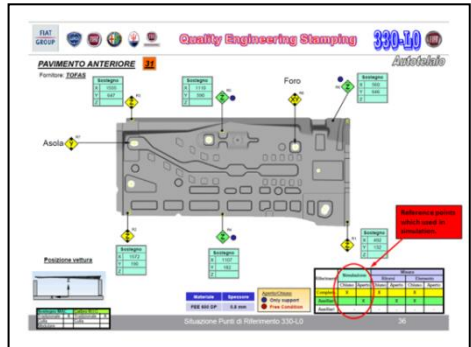
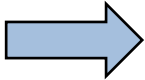
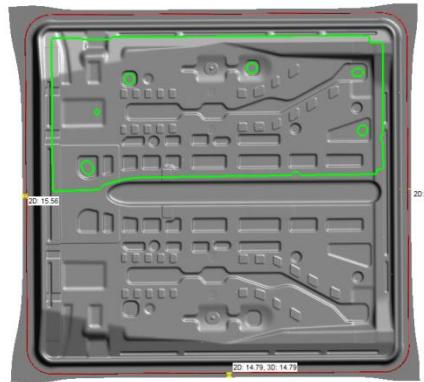
3D & 2D Process Design



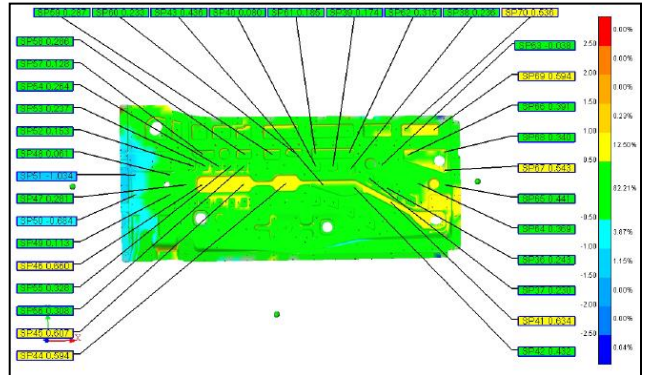
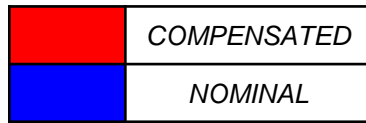
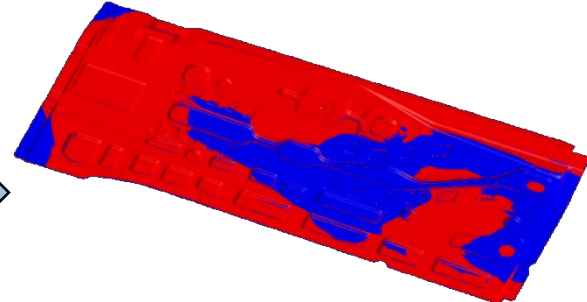
Full Cycle Simulations



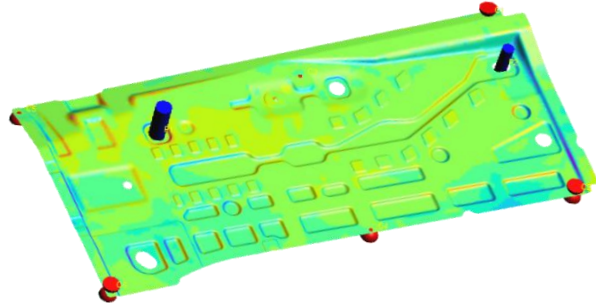
Springback Compensations



Quality Control Plan



Realized Stamping Results

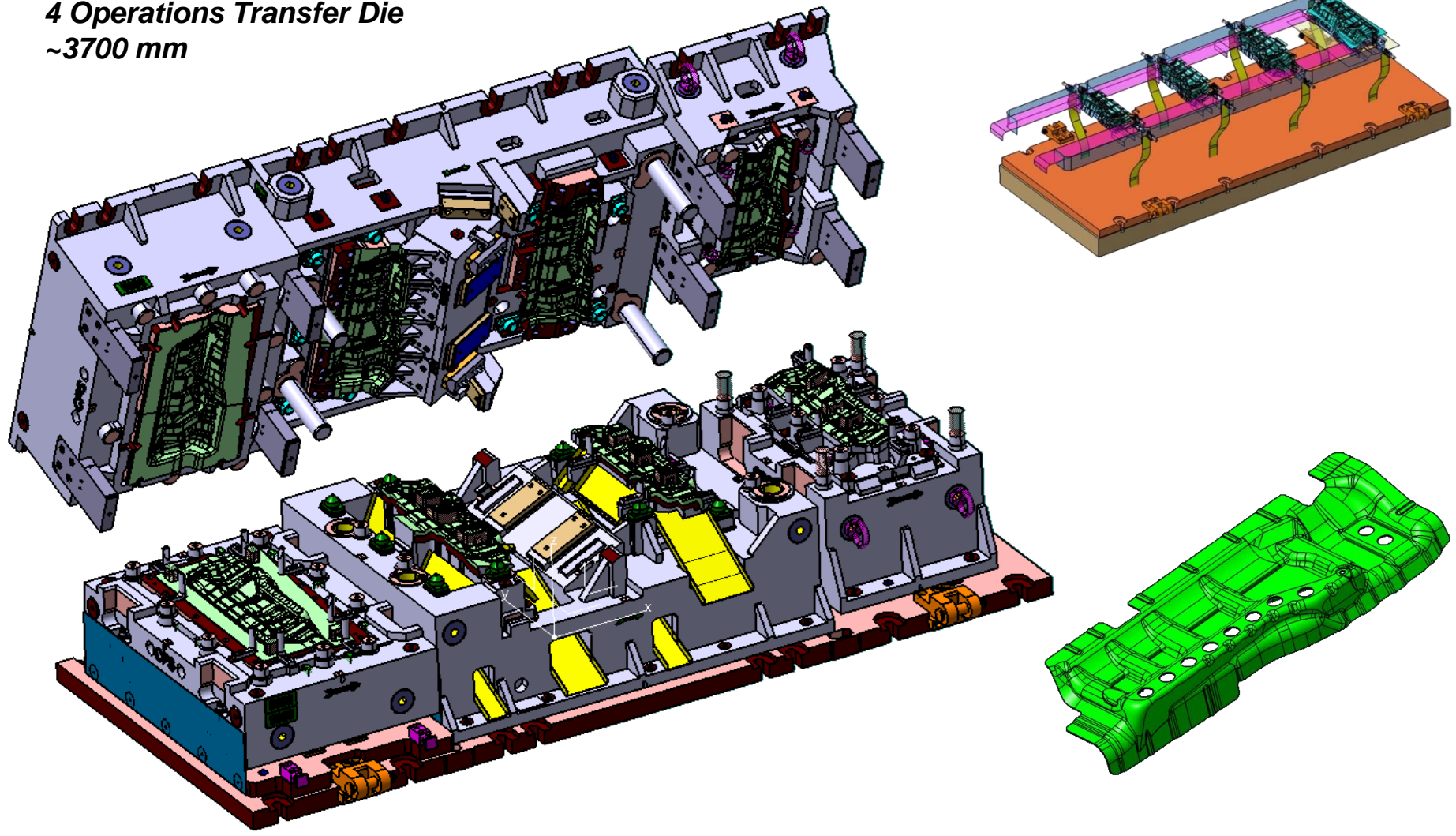


Results of Compensated Part in Simulation.

Transfer Die Projects



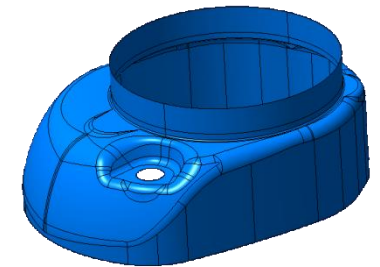
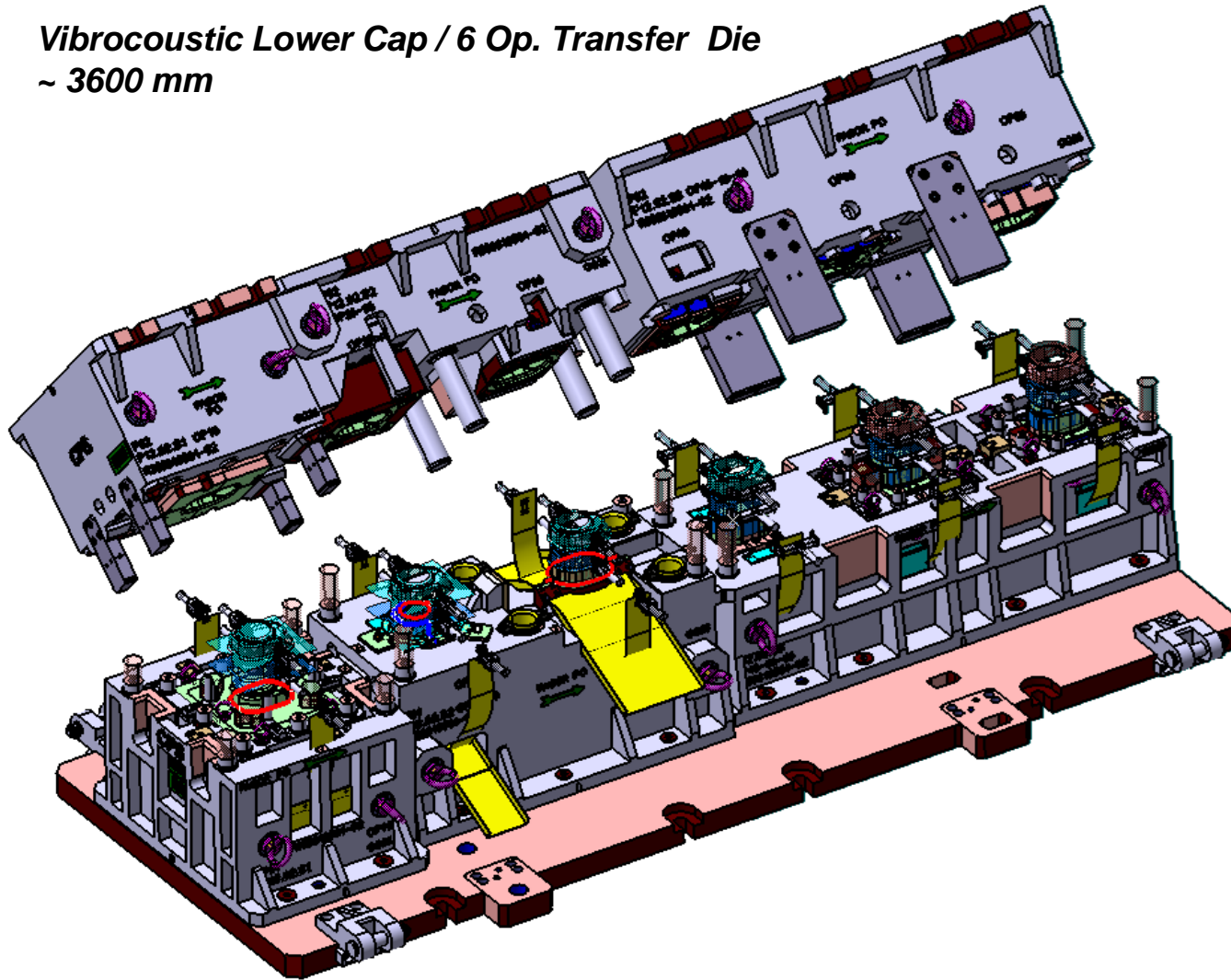
4 Operations Transfer Die
~3700 mm



Transfer Die Projects



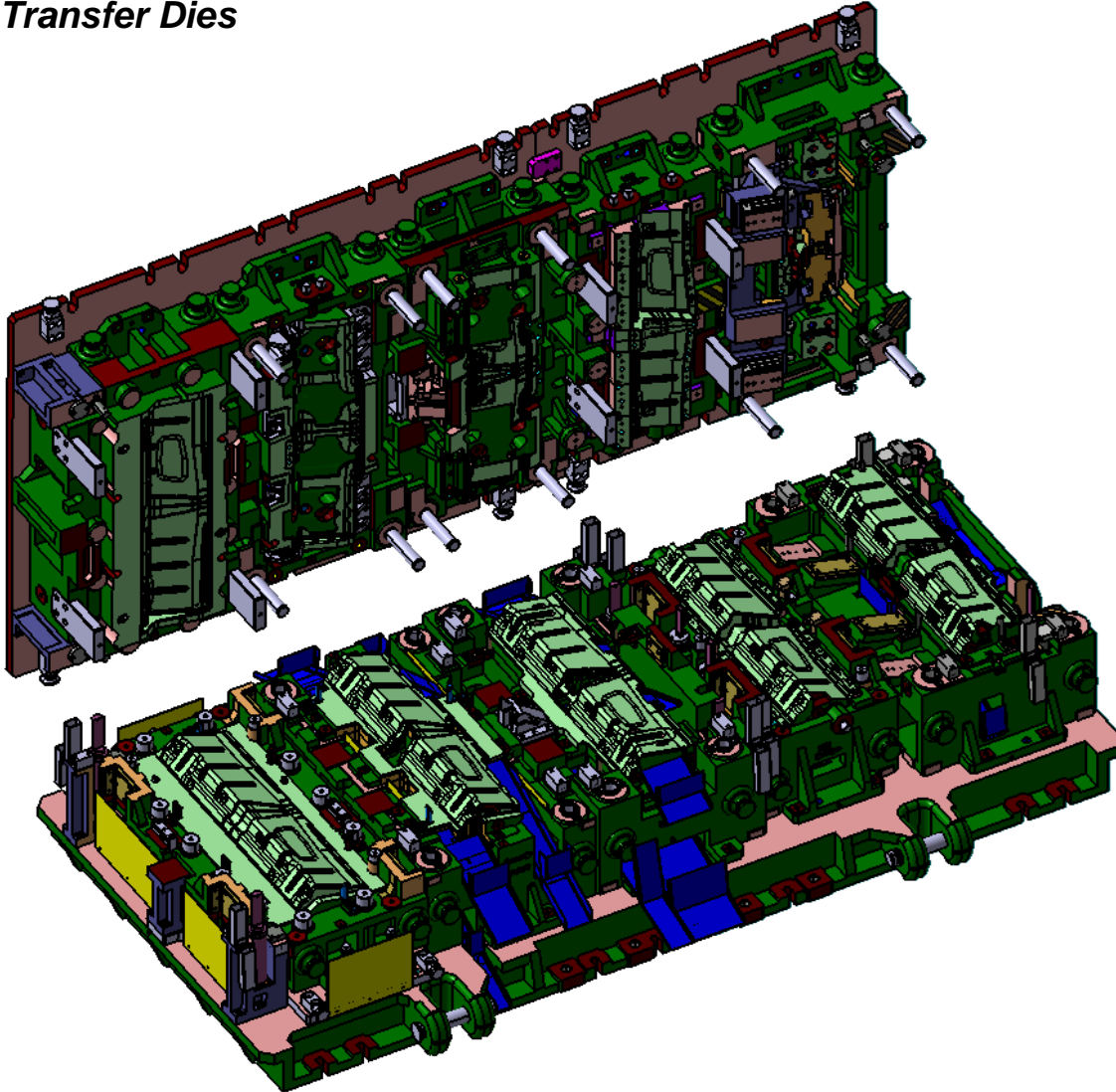
Vibrocoustic Lower Cap / 6 Op. Transfer Die
~ 3600 mm



Transfer Die Projects



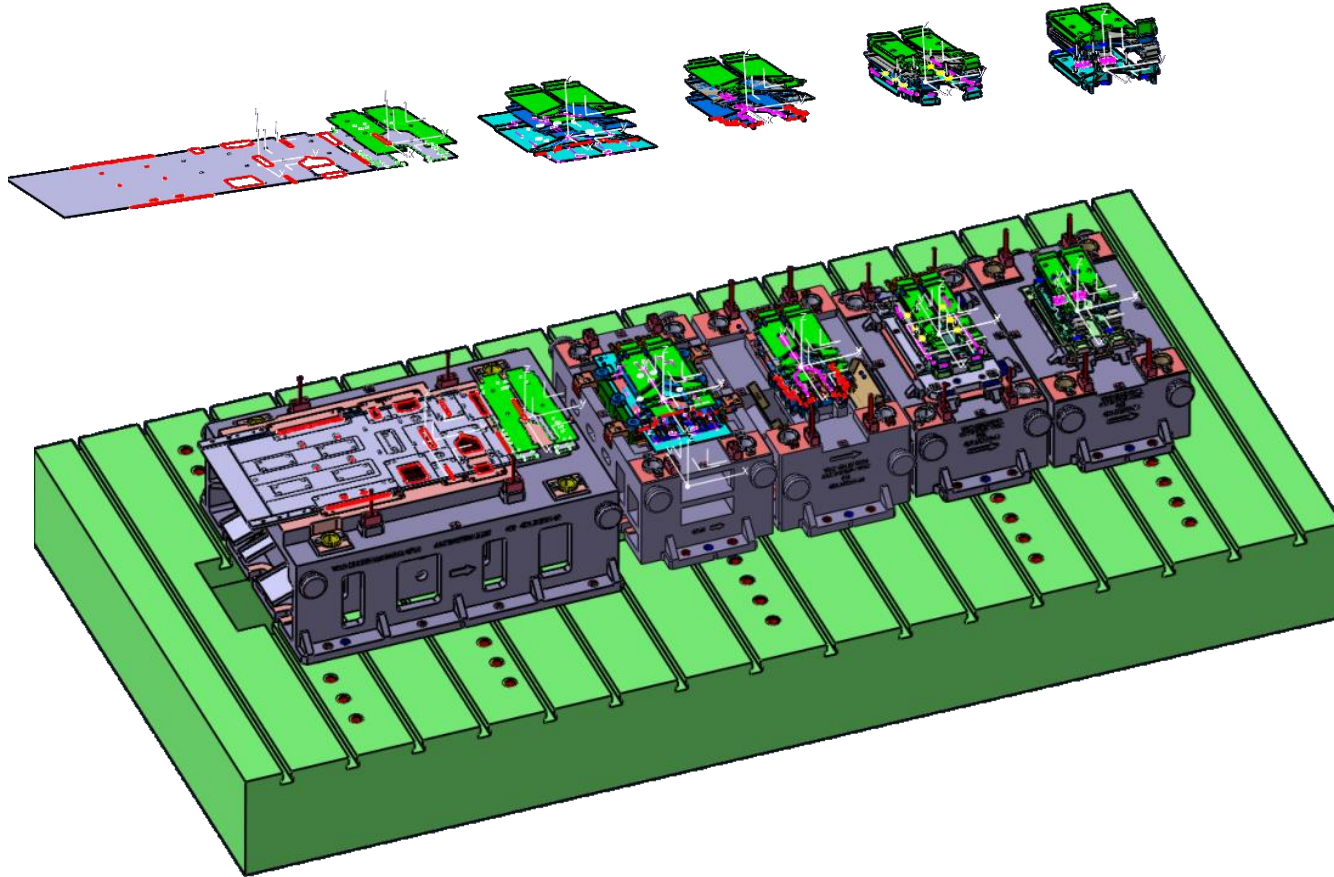
5 Operations Transfer Dies
~ 4700 mm



Transfer Die Projects



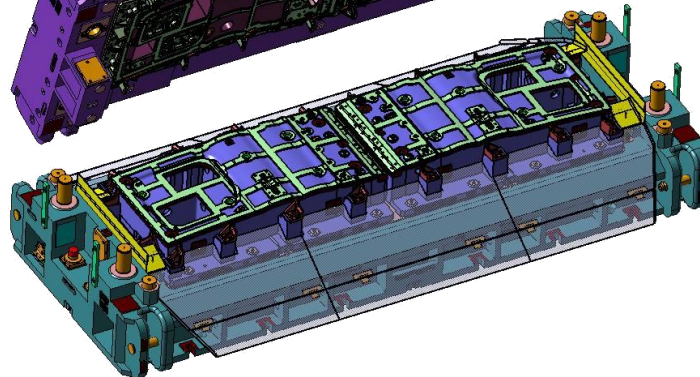
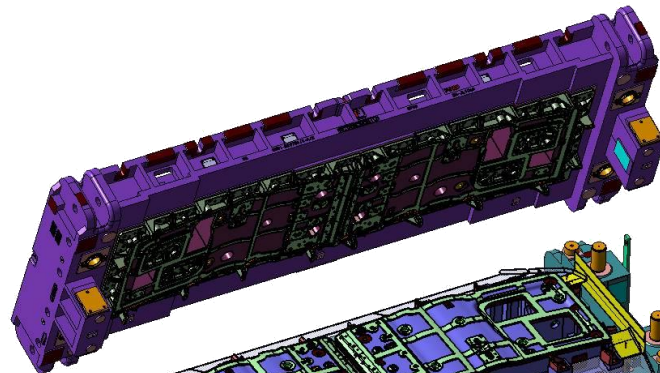
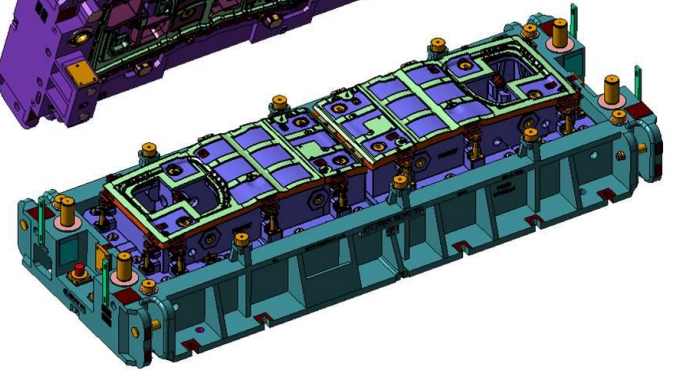
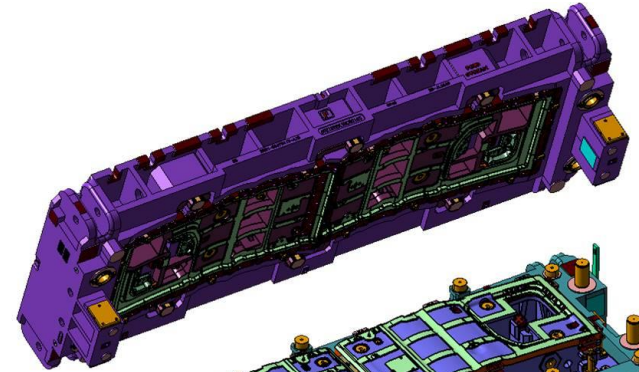
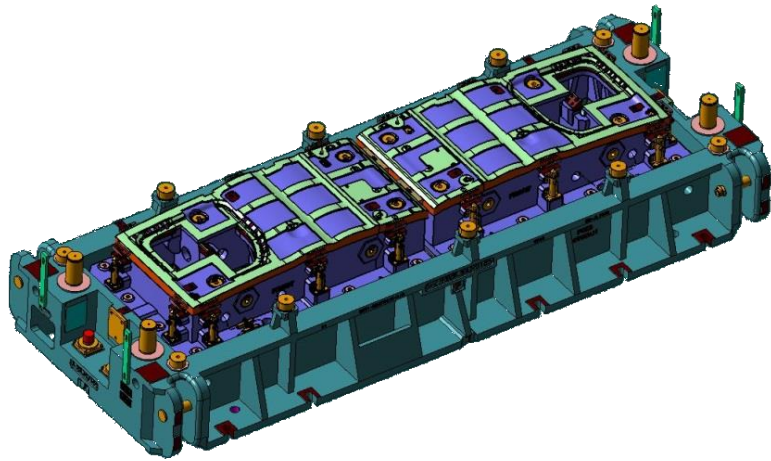
5 Operations Transfer Dies



Robotic Line Design Projects



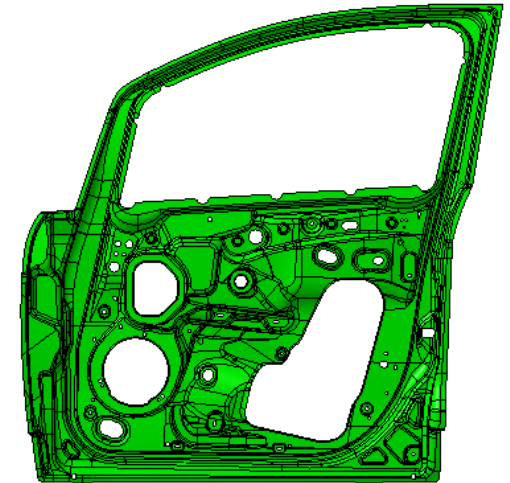
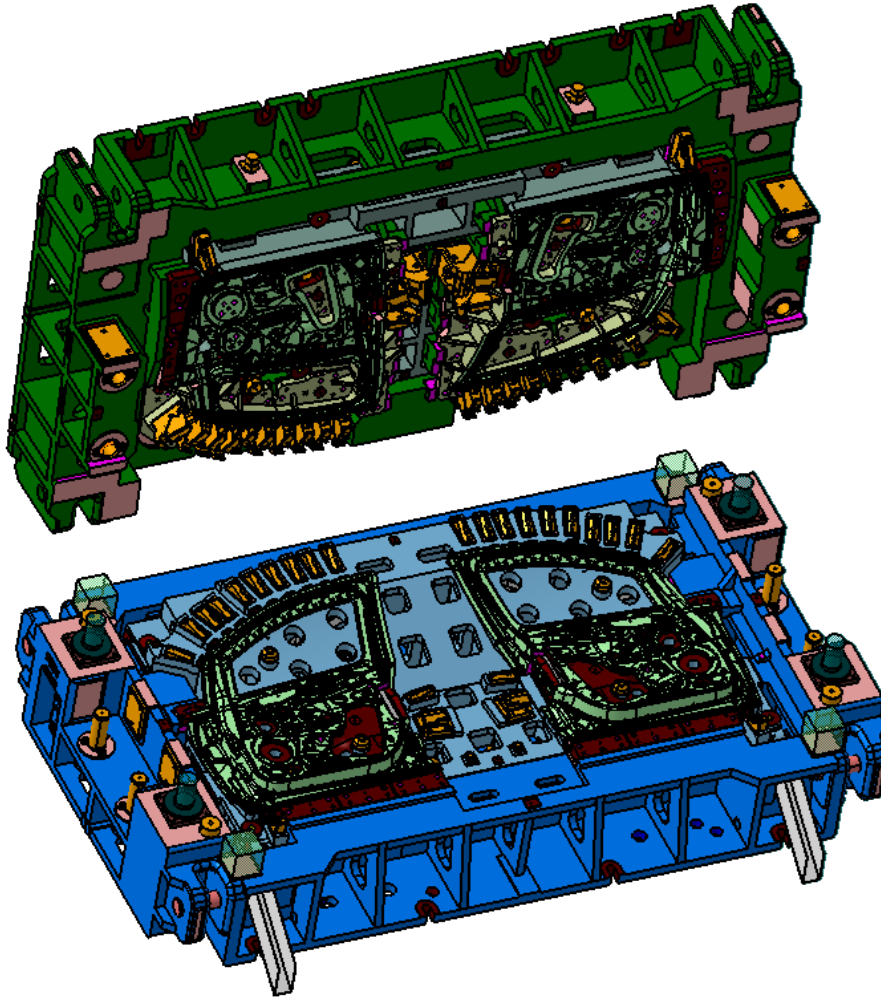
Sliding Door Die Designs



Robotic Line Design Projects



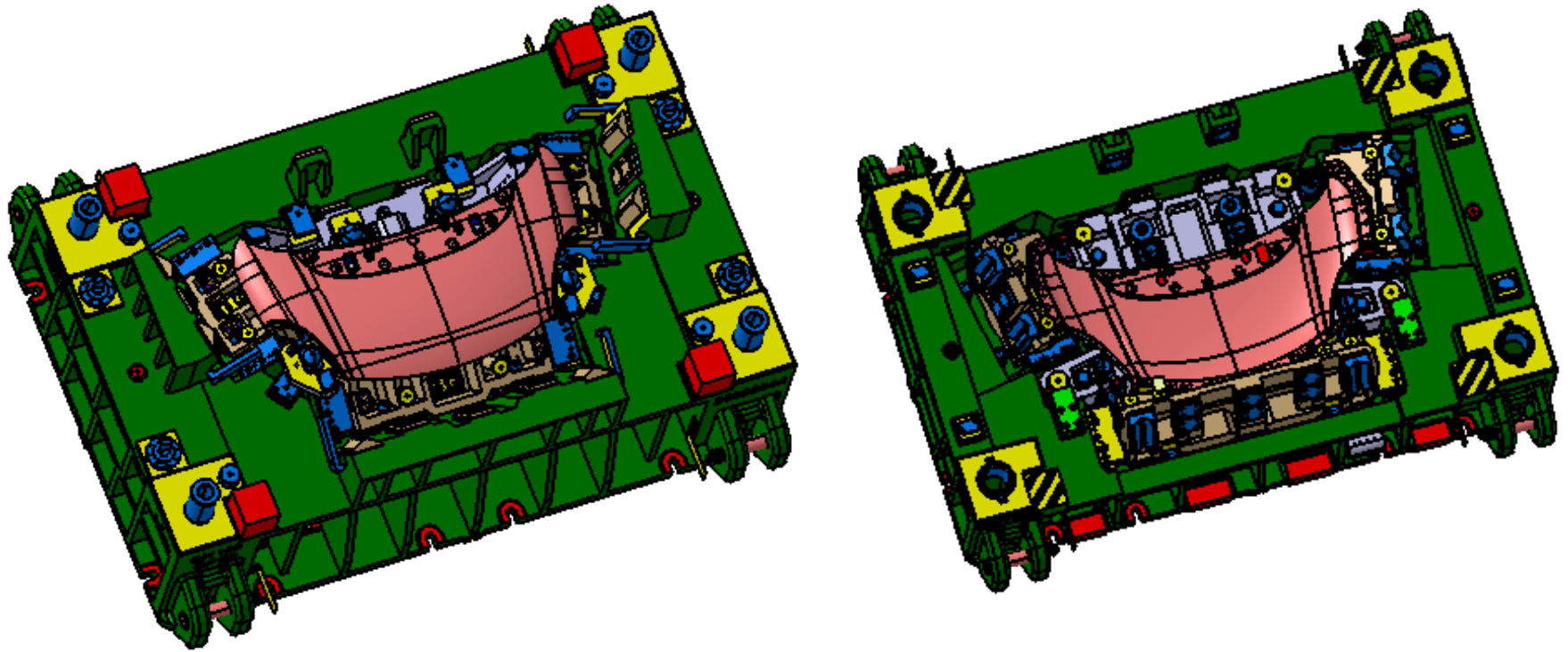
Inner Door Die Designs
~3800 mm



Robotic Line Design Projects



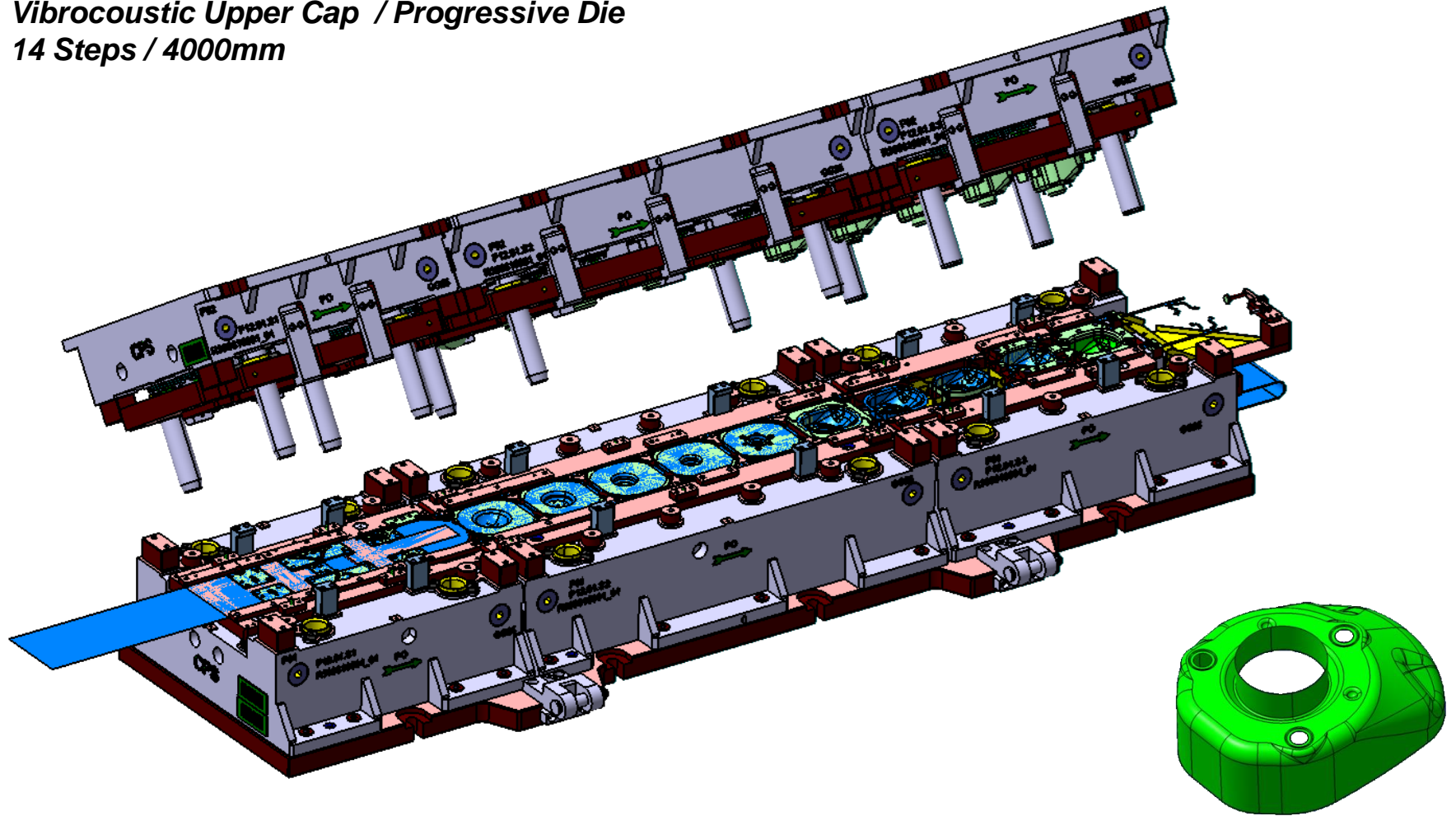
Outer Hood Die Designs



Progressive Die Projects



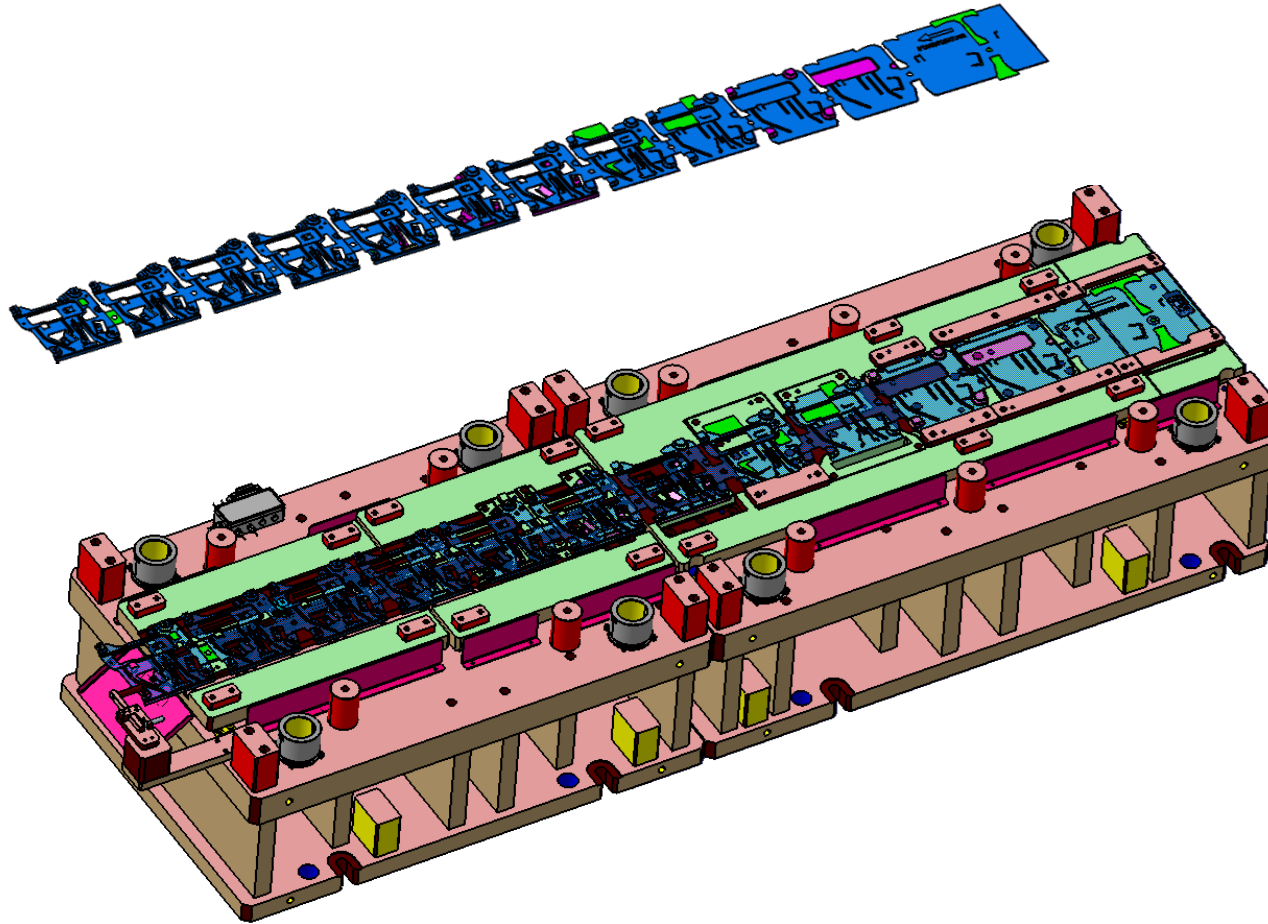
Vibrocoustic Upper Cap / Progressive Die
14 Steps / 4000mm



Progressive Die Projects

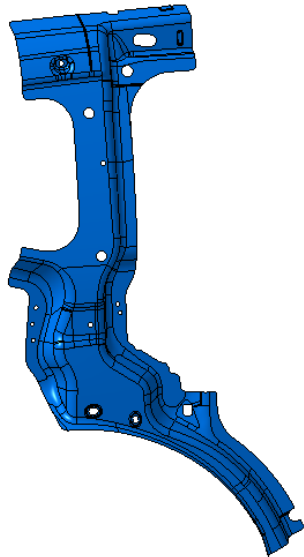




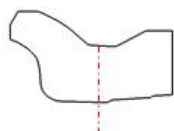


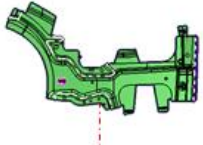
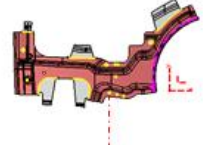
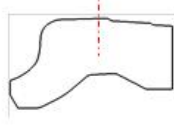
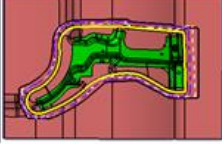
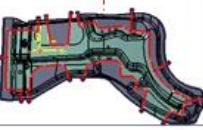
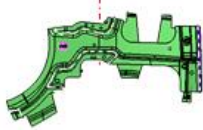
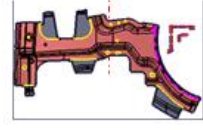
Progressive Die / 12 Steps / ~3200 mm





C Pillar Process and Simulations

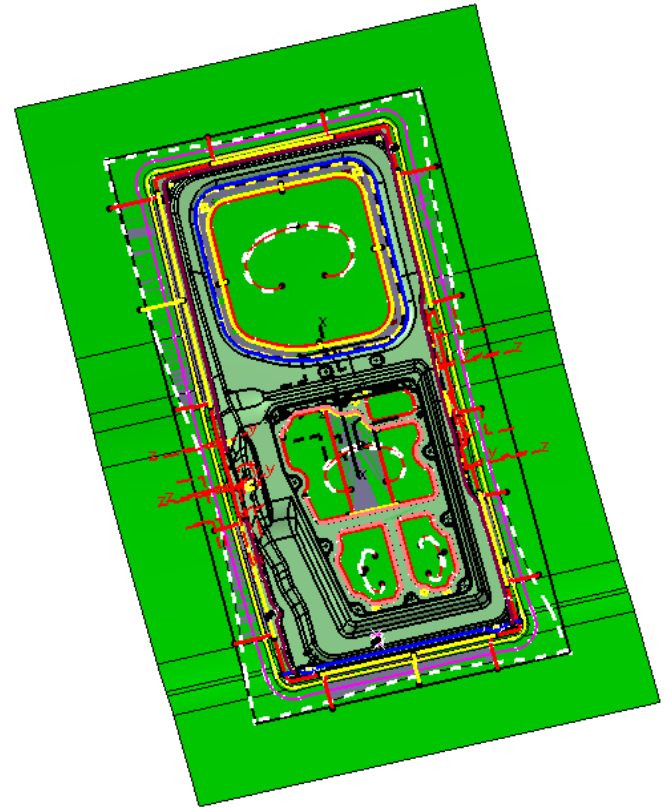
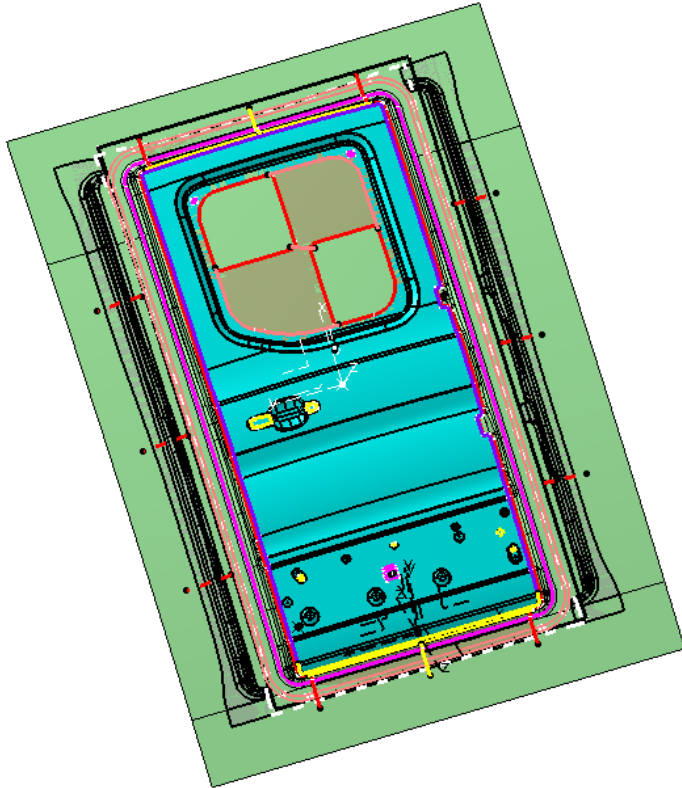


		Ön Proses Sayfası / Pre Part Process PROJE							
OP05		OP10		OP20		OP30		OP40	
Pres hattı	-	Pres hattı	MFF L8	Pres hattı	MFF L8	Pres hattı	MFF L8	Pres hattı	MFF L8
Alternatif pres	-	Alternatif pres	MFF L8	Alternatif pres	MFF L8	Alternatif pres	MFF L8	Alternatif pres	MFF L8
Deneme presi	2000 Ton SMG	Deneme presi	2000 Ton SMG	Deneme presi	2000 Ton SMG	Deneme presi	2000 Ton SMG	Deneme presi	2000 Ton SMG
									
									

Process / Method Design



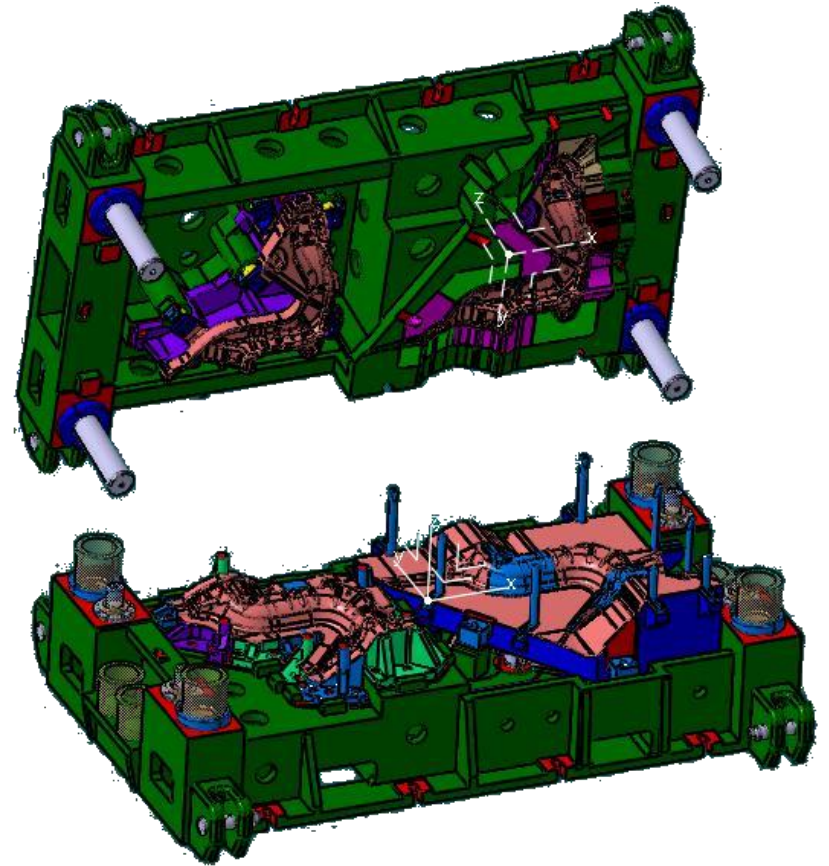
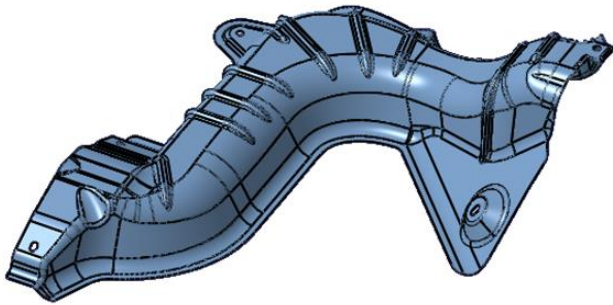
Sliding Door Outer and Inner Process Design



Heat Shields Dies



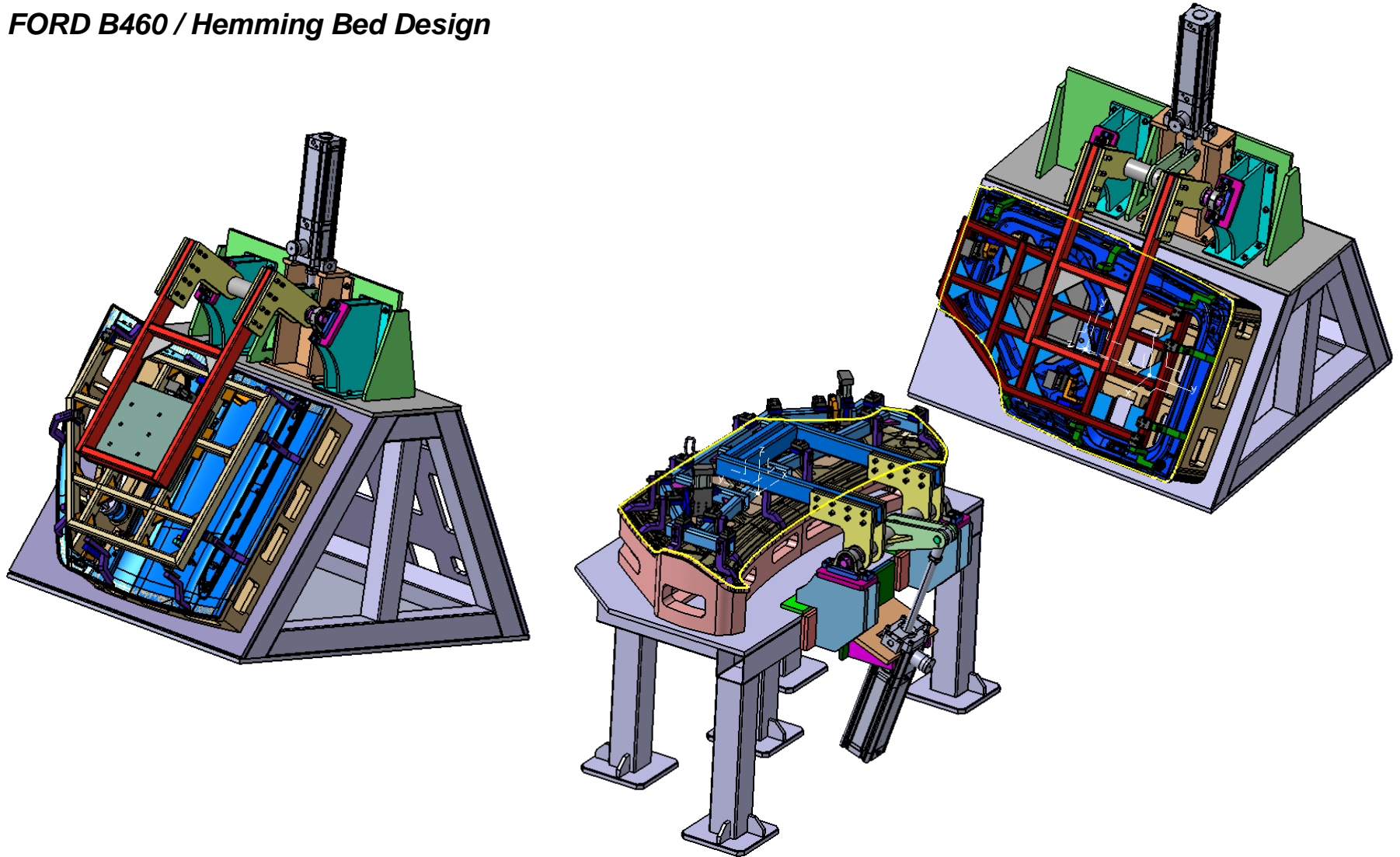
Aluminium Heat Shields Dies



Hemming Bed Designs



FORD B460 / Hemming Bed Design



LOCATION

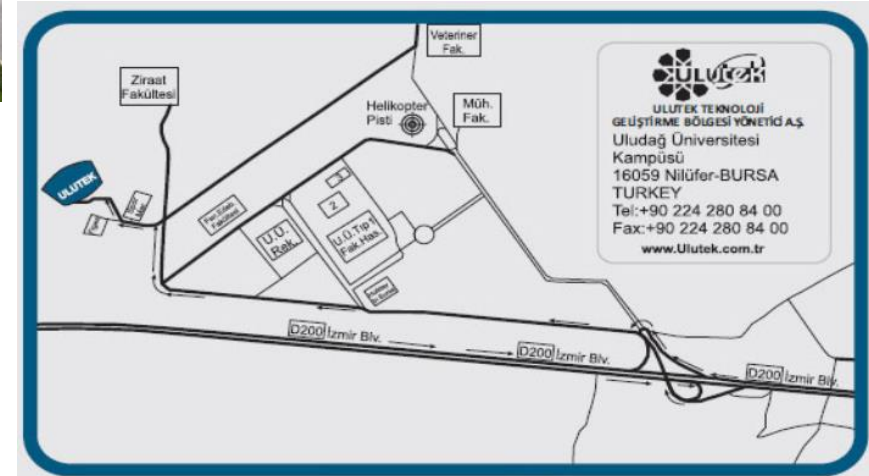


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REFERENCE





THANK YOU