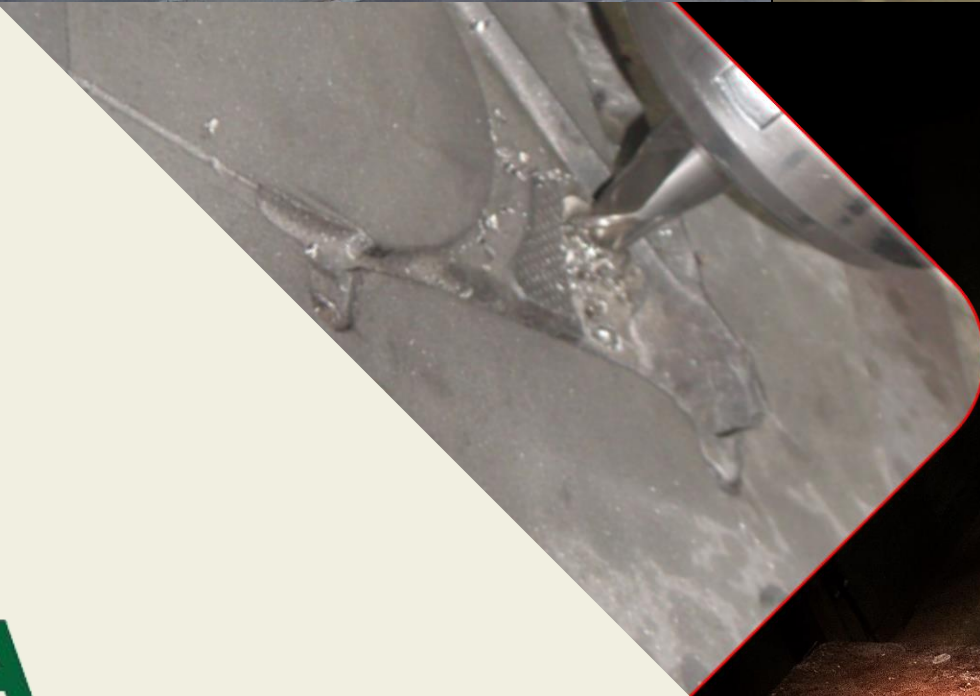
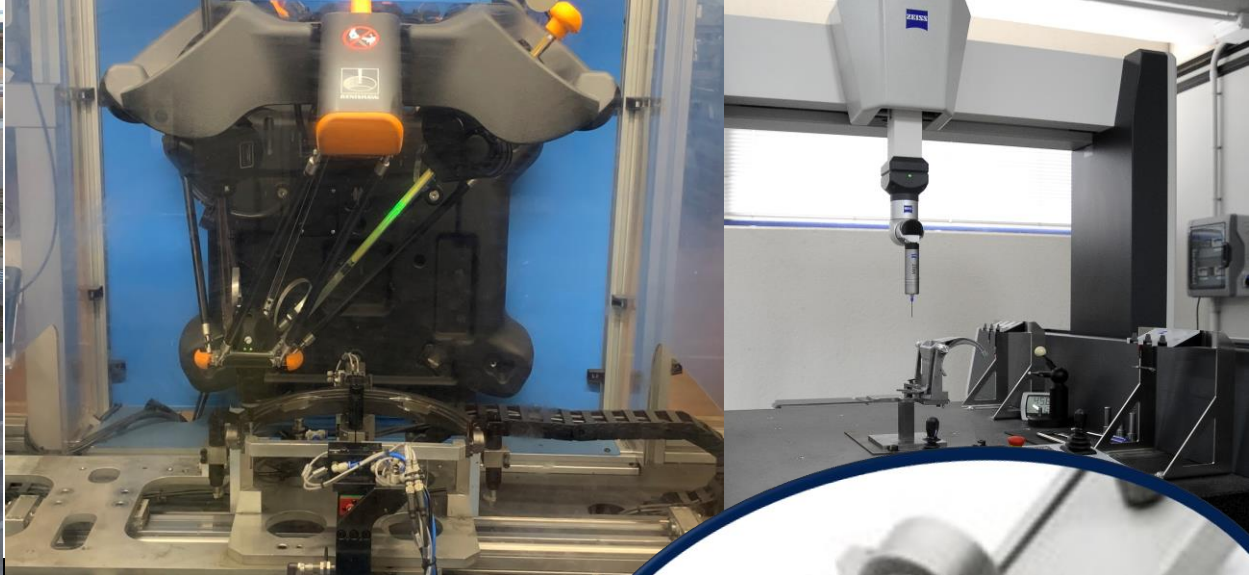


F2J PAMPLONA

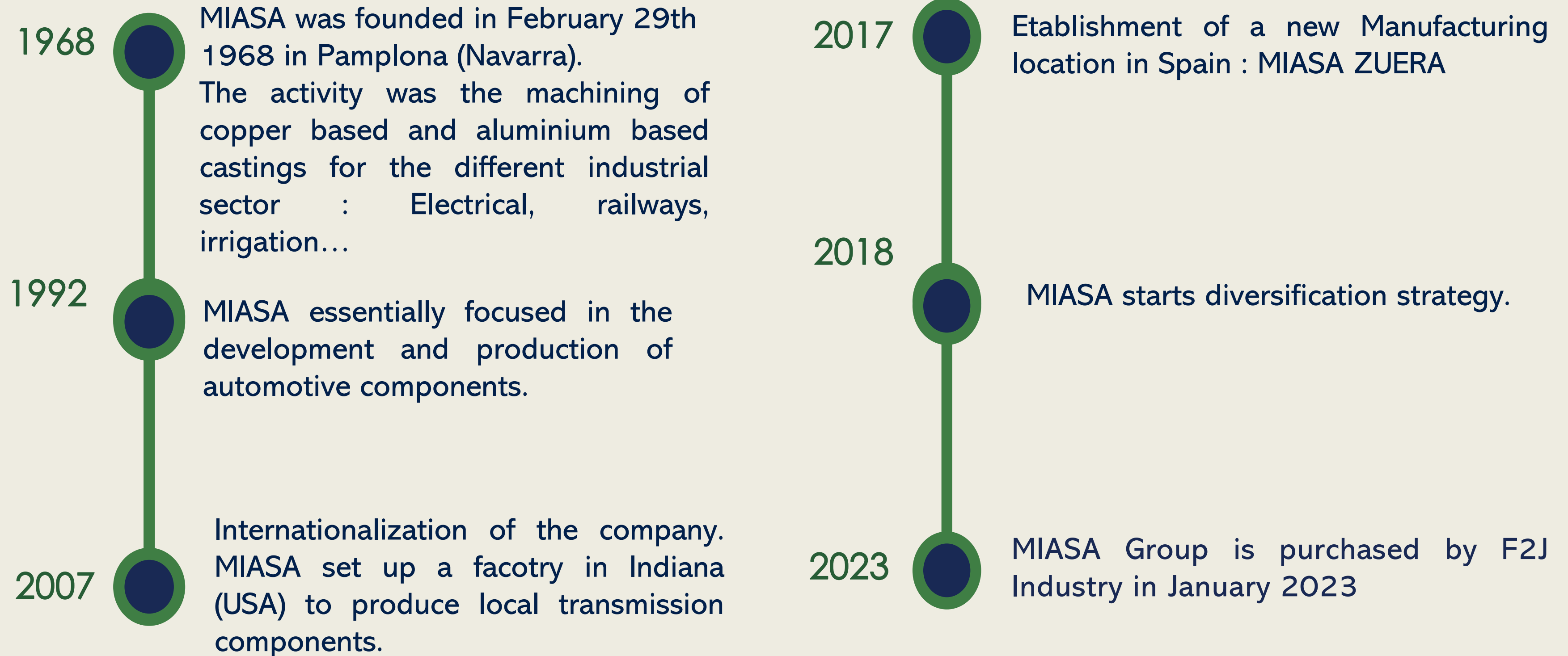




Overview presentation

PART 1	ABOUT F2J PAMPLONA...
PART 2	FIGURES REPRESENTING F2J PAMPLONA
PART 3	OUR KNOWLEDGE
PART 4	OUR PROCESS
PART 5	OUR ASSOCIATED CAPABILITIES
PART 6	OUR MACHINES / INSTALLATION
PART 7	OUR CUSTOMERS
PART 8	ABOUT F2J INDUSTRY

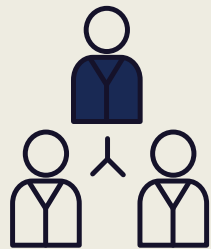
ABOUT F2J PAMPLONA...



FIGURES REPRESENTING F2J PAMPLONA



TURNOVER 2023 : 4,7 M €



35 EMPLOYEES



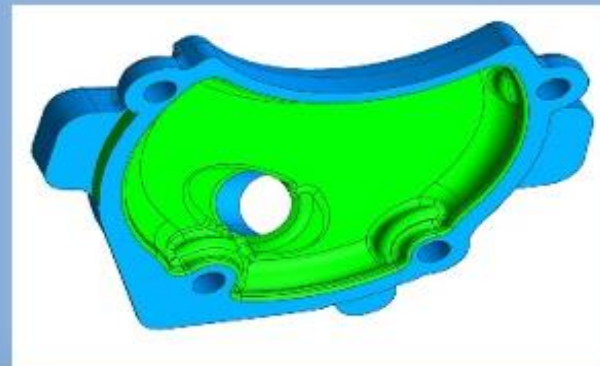
7 000 M2 FACTORY SURFACE

DESIGN

CAD

Siemens NX (Unigraphics).
Compatibility with other softwares

CUSTOMER
INPUT



SIMULATION

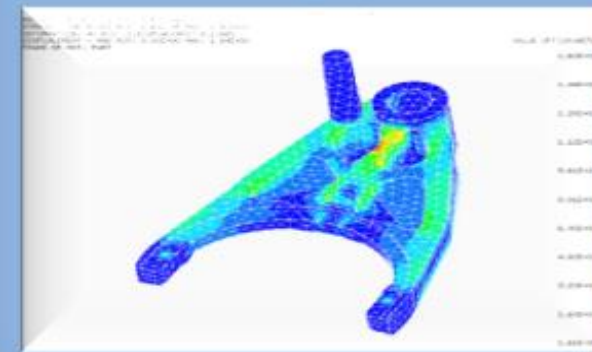
FEA

MSC PATRAN NASTRAN, MARC

CUSTOMER
INPUT

MIASA
OUTPUT

- Loads
- Boundary conditions, if customer prefers to fix them.
- Finite element analysis
- Conclusions

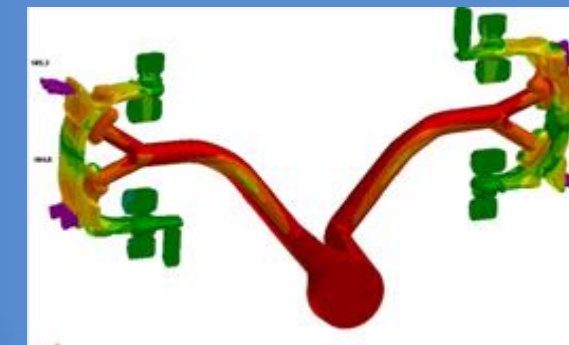


CASTING FLOW SIMULATION

QUIKCAST

MIASA OUTPUT

- Flow simulation is made before mould manufacturing
- We have extensive experience in the use of advanced simulation methods with proven success



TESTING

HYDROPULSE TEST MACHINE

LOAD CELLS: 10 kN & 50 kN

+

CLIMATIC CHAMBER

-30°C & 150°C (-22°F / 302°F)

PADS WEAR TEST FOR THE FORKS

LOAD CELLS: 10 kN & 50 kN

- Fatigue / durability
- Static load tests, breakage
- Stiffness
- Pads wear test for the Forks

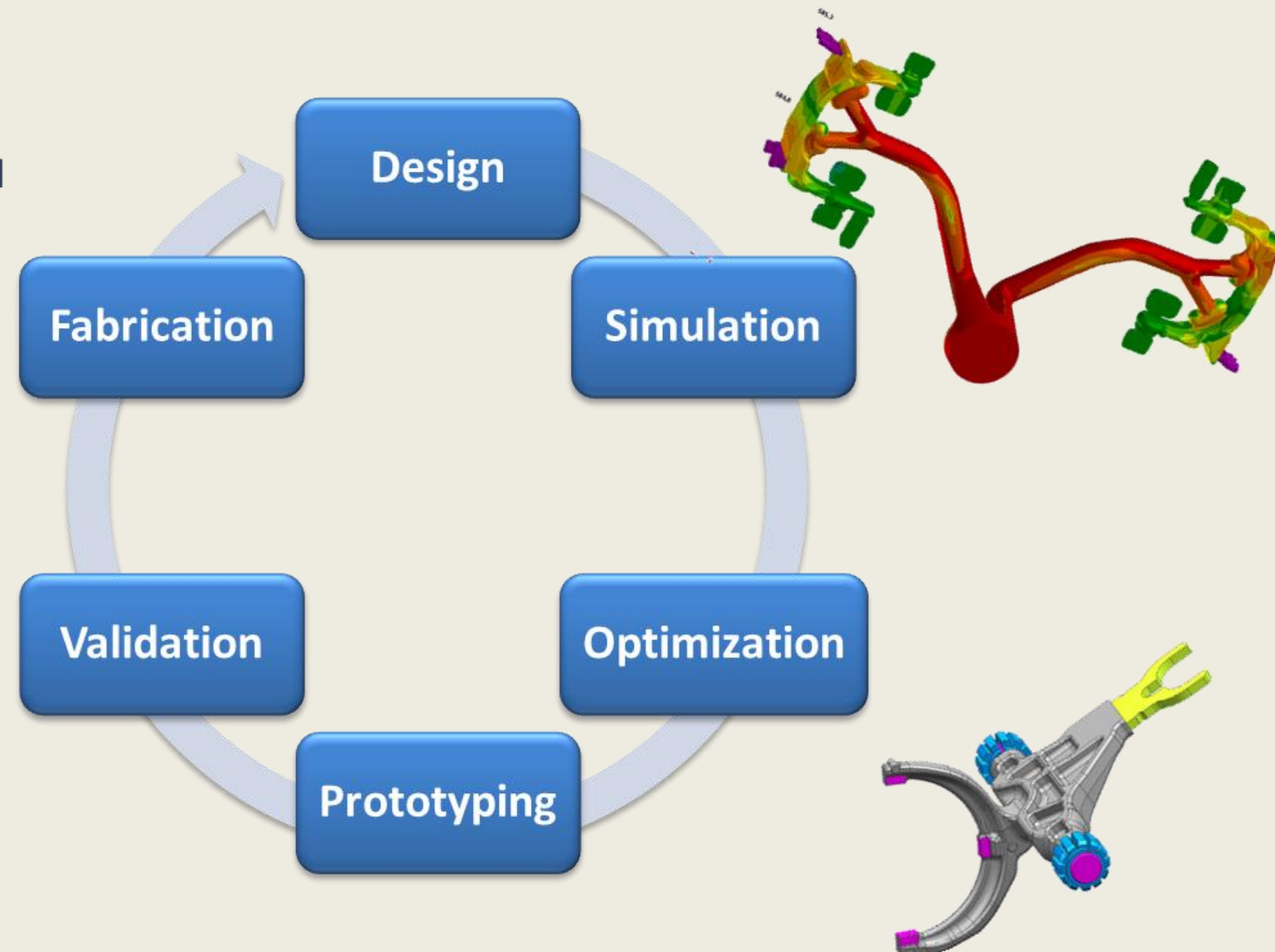
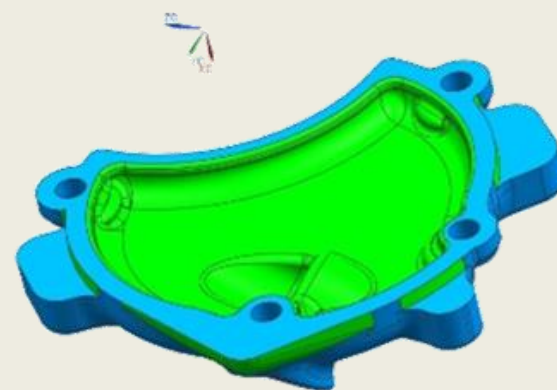


OUR KNOWLEDGE

In our facilities we are able to **develop, simulate, prototype, validate and industrialize** our products.

In cooperation with our customers, new solutions focused on weight and cost reduction resulted in:

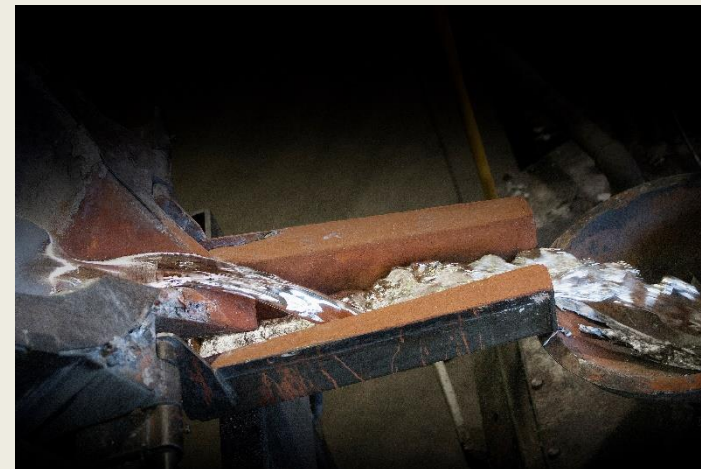
- **New materials.**
- **New functions.**
- **New or adaptable assemblies.**
- **Optimization**
- **Quality assurance.**
- **Durability.**



Our process

Aluminium high pressure die casting

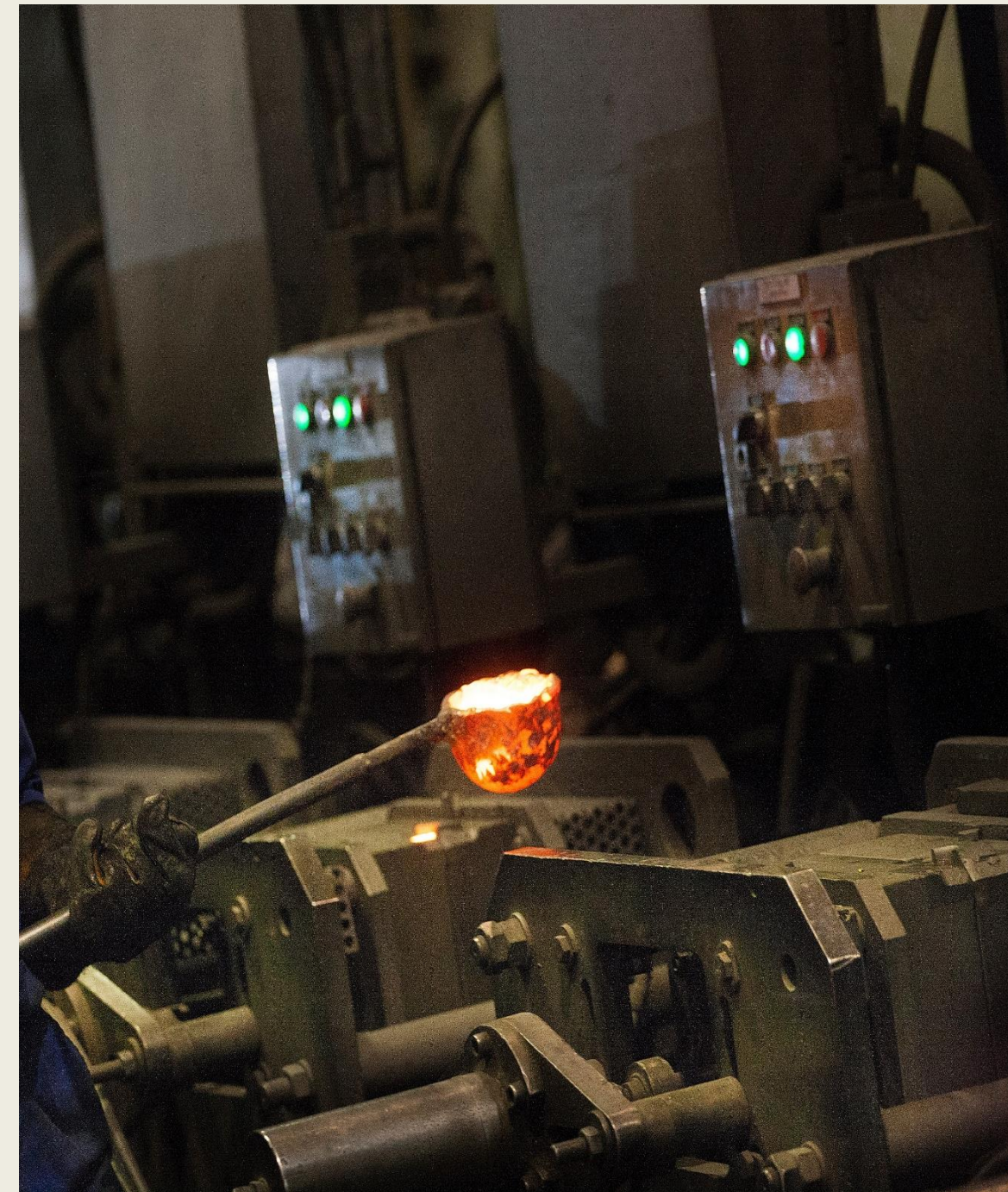
- Material melting
- Casting
- Trimming
- Shot blasting
- Tumbling finishing



Our Process

Cu-Al gravity casting

- Material melting
- Gravity casting



Our Parts

Transmission shift forks



Our Parts

Brackets



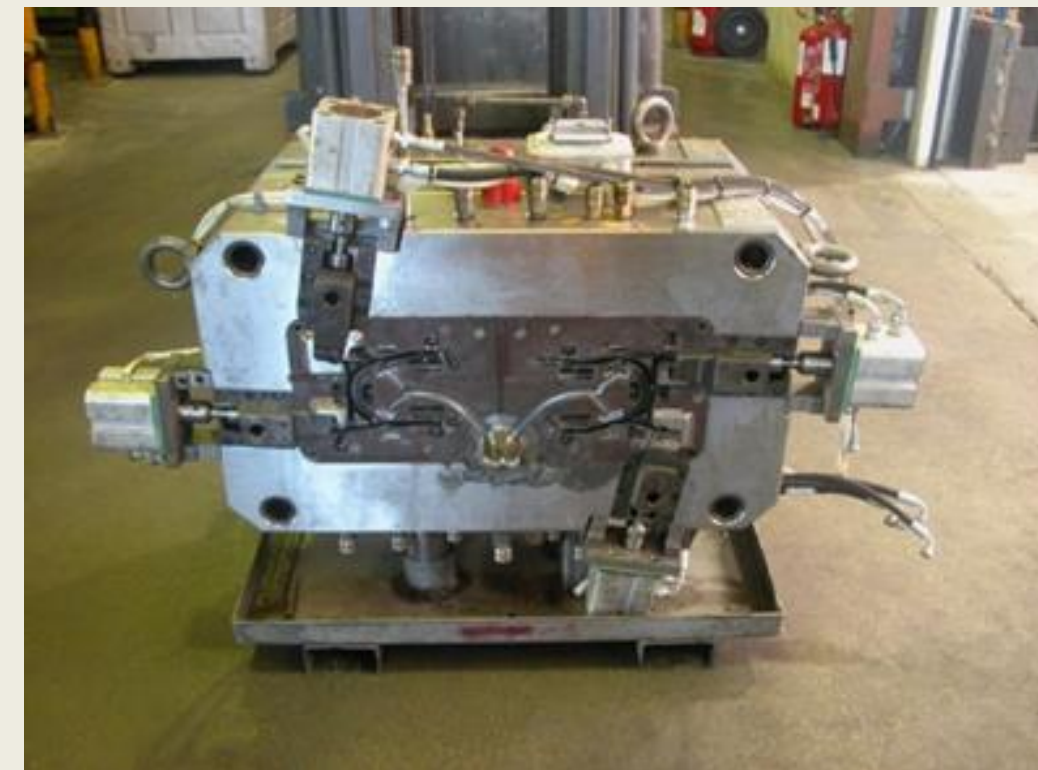
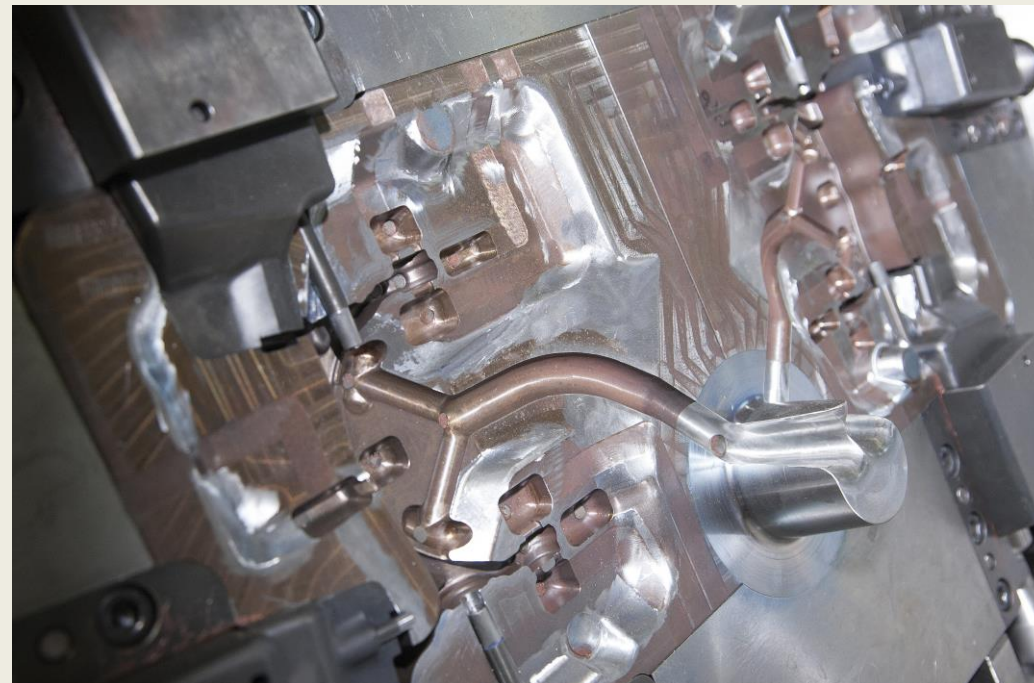
Our Parts

Aluminium housings



Our Associated Capabilities

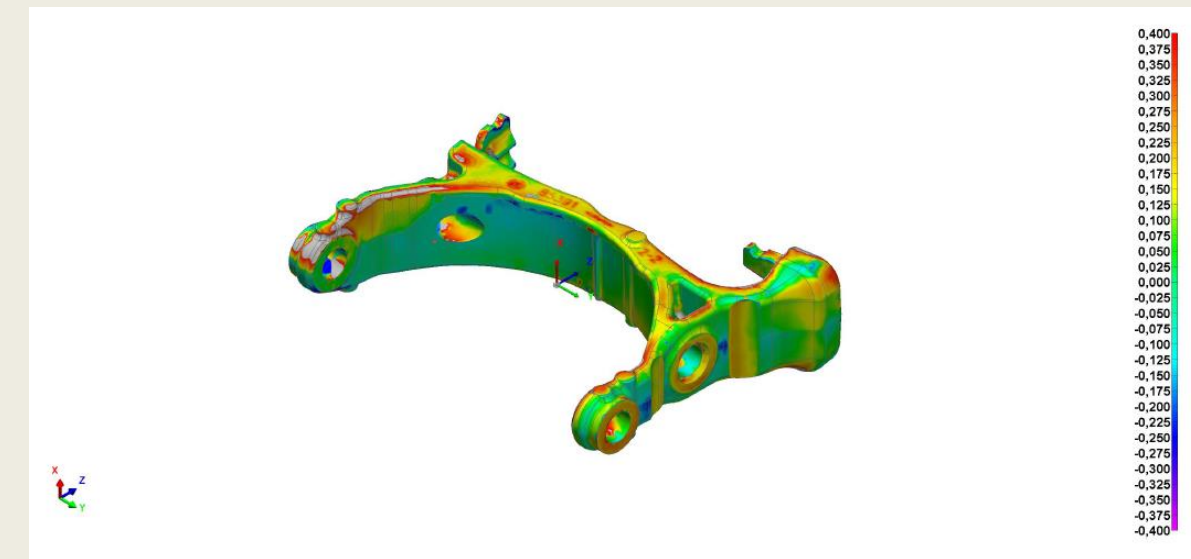
Tooling workshop



Our Associated Capabilities



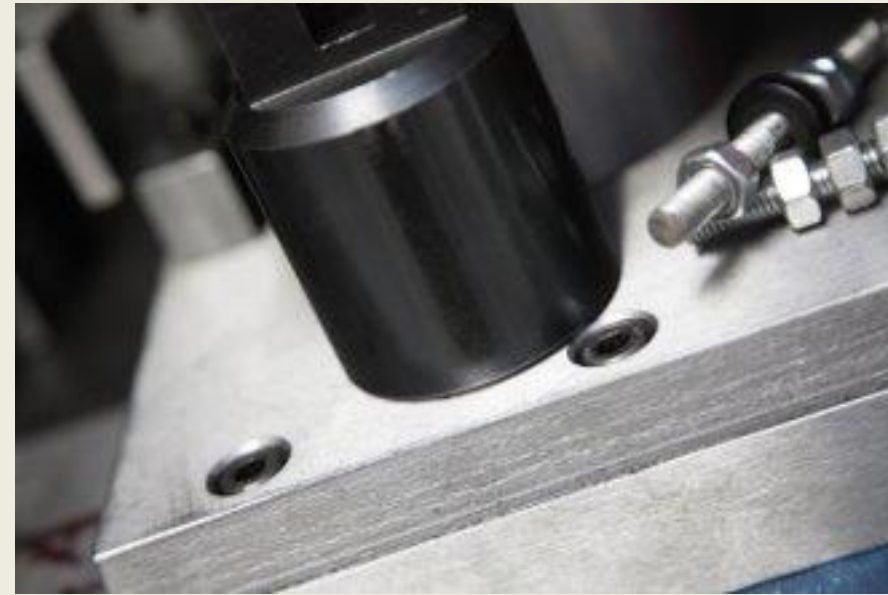
Quality Inspection



Our Associated Capabilities



Testing Laboratory



Our Machines/Installations

Aluminium high pressure die casting

Machines size:

- 1 x 320 Tm
- 1 x 420 Tm
- 1 x 800 Tm
- 6 x 560 Tm



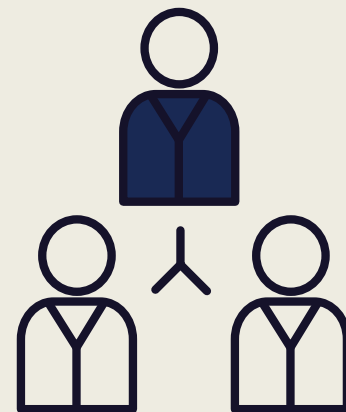
Our Customers



ABOUT F2J INDUSTRY...



Turnover: 231 M€



1 807 employees



4 plants in France
1 plant in Poland
3 plants in Argentina
1 plant in Brazil
2 plants in Spain
1 plant in USA



<http://f2jindustry.com>



<https://www.linkedin.com/company/f2jindustry>

F2J INDUSTRY INDUSTRIAL GROUP OF COMPANIES



Thank you for your
attention !

