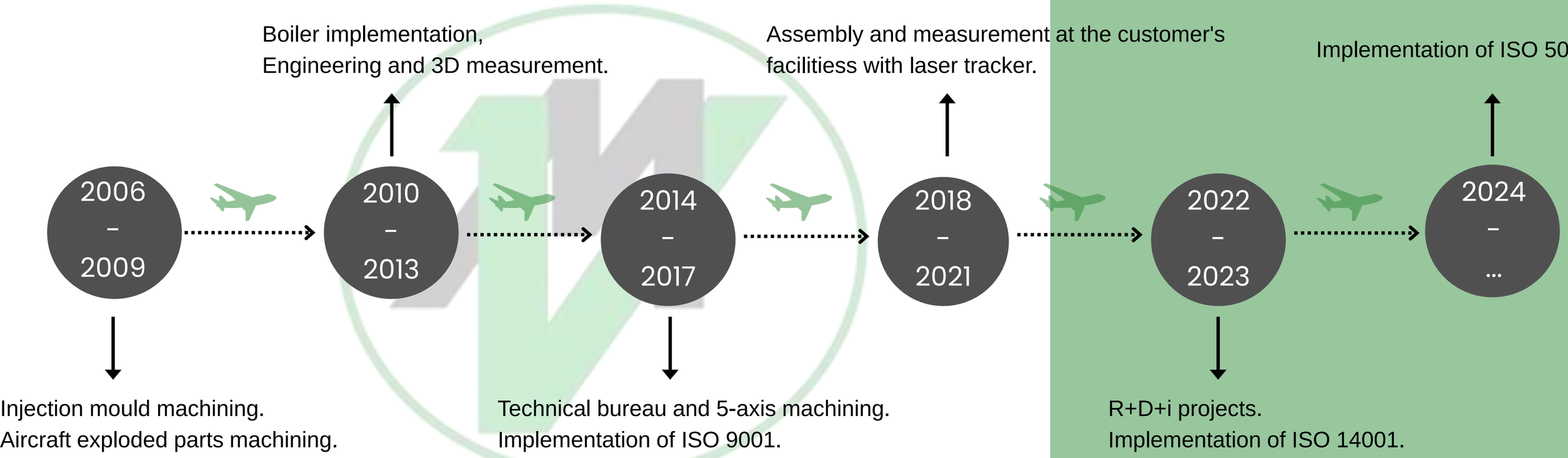
CATALOGUE 2024

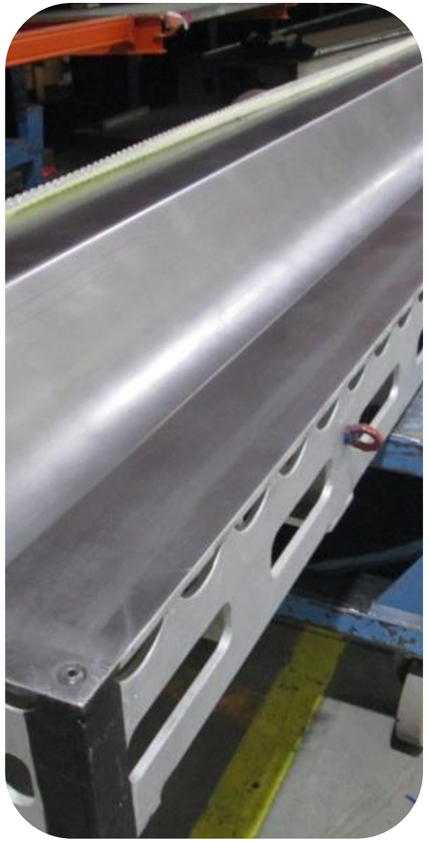
MECANIZADOS VITORIA

TRAJECTORY


2006 – 2009
Injection mould machining.
Aircraft exploded parts machining.
2010 – 2013
Boiler implementation,
Engineering and 3D measurement.
2014 – 2017
Technical bureau and 5-axis machining.
Implementation of ISO 9001.
2018 – 2021
Assembly and measurement at the customer's facilitiess with laser tracker.
2022 – 2023
R+D+i projects.
Implementation of ISO 14001.
2024 – ...
Implementation of ISO 50001

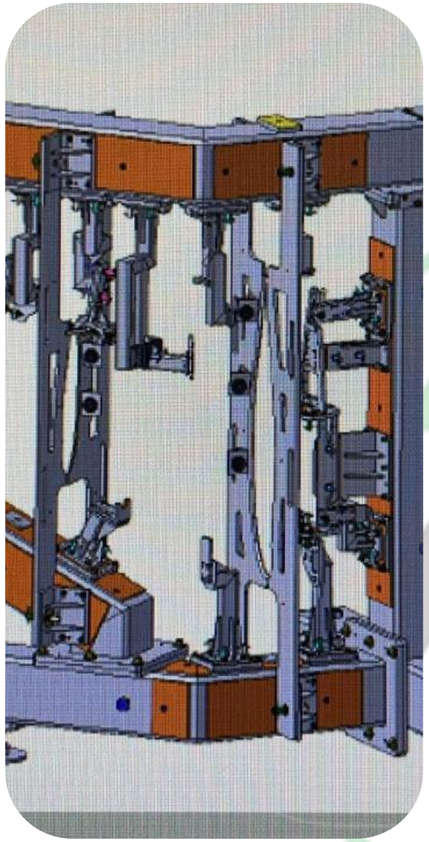
DEPARTMENTS

MECANIZADOS VITORIA



TOOLING

The factory is equipped with the latest technology in vertical machining centres and 5-axis milling machines.



ENGINEERING

We offer a complete engineering service to the customer, always providing the best solution.

WELDING

We use welding tools for sheet metal assembly and crimpers.

ASSEMBLY

The range of activity includes assembly, continuous monitoring during manufacture and final construction.

THREE DIMENSIONAL

We verify the pieces, providing a high-quality service to our customers and respecting the established deadlines.

MACHINERY

MECANIZADOS VITORIA

MACHINERY & TOOLS

- Mecanizados Vitoria S.A. has the latest technology in 5-axis milling machines and machining centres:

DESIGNATION	PRODUCER	MODEL
5-axis milling machines	ZAYER	XIOS 4000
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5-axis milling machines	ZAYER	XIOS 4000
Machining centre	QUASER	MV-184P/12B
Machining centre	AWEA	AF1000
Machining centre	QUASER	MV204
Machining centre	AXILE	C6
5-axis machining centre	HAAS	UMC-500
5-axis machining centre	ZAYER	ZERO 3000
Lathe	NERVION	315
Lathe	DOOSAN	LEO 1600

DESIGNATION	PRODUCER	MODEL
Radial drill	FORADIA	MS75
Tabletop drill	SADES	ARA MON 601
Tabletop drill	MECANO MET	ST-25-A
Pneumatic tapping machine	CMA	RN 12
Hydraulic tapping machine	CMA	RH-20
Bandsaw	SAMUR	S-30
Bandsaw	SAMUR	S-400-VA
Large reciprocating saw		
Small reciprocating saw		
Erosion ARD	CTA-S	M5OF
TIG welding	ESAB	ALUMINIO/INOX
Semi-pneumatic wire welding	ESAB	LAW 420W

- Software:
  - **CAD design:** CATIA V5/ UNIGRAPHICS NX
  - **CAM 3/5 axis programming:** WORK NC
  - **Metrology:** METROLOG X4

MEASURING EQUIPMENT

DESIGNATION	PRODUCER	MODEL
Three-dimensional	Wenzel prezision	TR O1T
Laser Tracker	FARO	Vantage S6
Laser Tracker	FARO	Vantage E
Laser Tracker	FARO	Vantage E
Fiber laser marking machine with rotary table	AIBER	KT-LF30
Measuring arm	FARO	
Helium machine		
Bridge crane	GH	GH 5 TN HD
Bridge crane	GH	GH 6 TN HD
Bridge crane	GH	GH 6 TN HD
Double girder overhead crane	GH	GHB11 6.3 TN
Single girder overhead crane	GH	GHB11 6.3 TN
Forklift truck	ENERSYS HAWKER	48V 8PZS 840
Forklift truck	NICHIYU	FB18-70

- Auxiliary measuring equipment:
  - Roughness meter.
  - Ultrasonic thickness gauge.
  - Depth gauges.
  - Alexometers.
  - Exterior and interior micrometers.
  - Pattern blocks.
  - Control rods.
  - Vacuum pump.
  - Vacuum gauge.

MAIN CUSTOMERS

AERnnova

ACITURRI

Mercedes-Benz

amurrio
ferrocarril y equipos, s.a.

LINAMAR

CTA

AIRBUS

aerotecnic

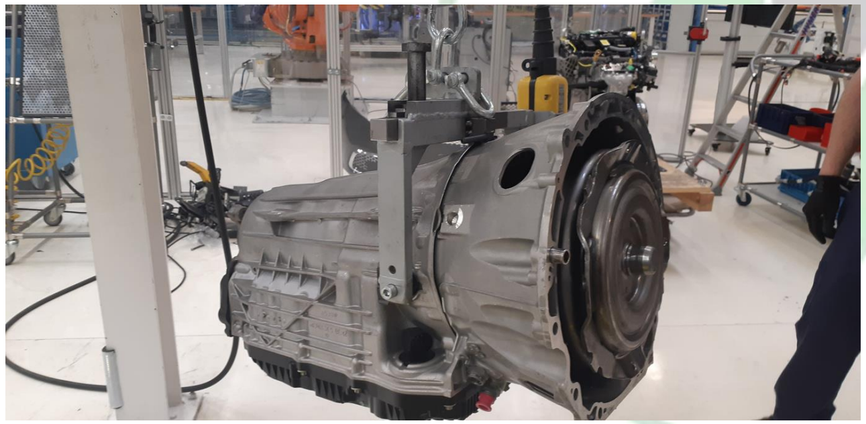
ALESTIS
AEROSPACE

AREAS OF ACTIVITY

MECANIZADOS VITORIA

AUTOMOTIVE

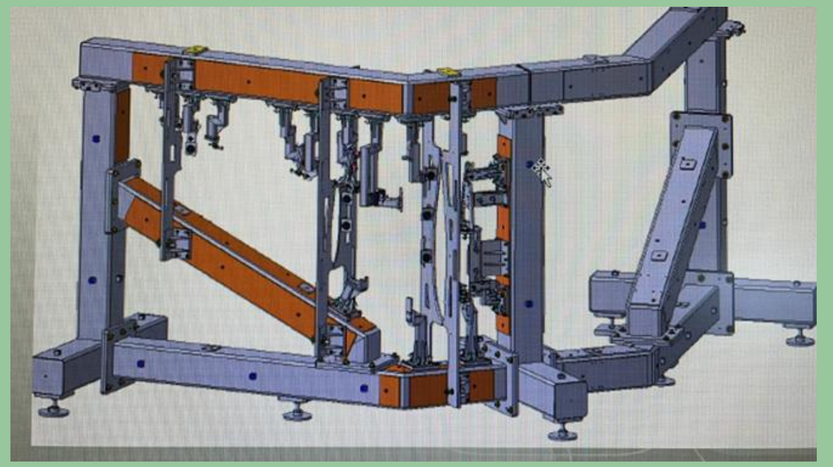
We manufacture a variety of assembly and measuring tools for Mercedes-Benz Vitoria.



AERONAUTICS

- We are specialised in the design and manufacture of manufacturing, assembly, maintenance and transport tools for the main companies in the aeronautical sector.
- We always meet the most demanding standards of our customers as well as the agreed deadlines.

AERONAUTICS



AERONAUTICS

R&D AND INNOVATION

- Since 2021, Mecanizados Vitoria has gone from being a subcontracted company to a leading company, carrying out research, development and innovation projects; collaborating with technology centres such as: AITIIP Foundation, Tecnalia, Tekniker, FIDAMC and Mondragón University.

aitiip centro tecnológico

tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

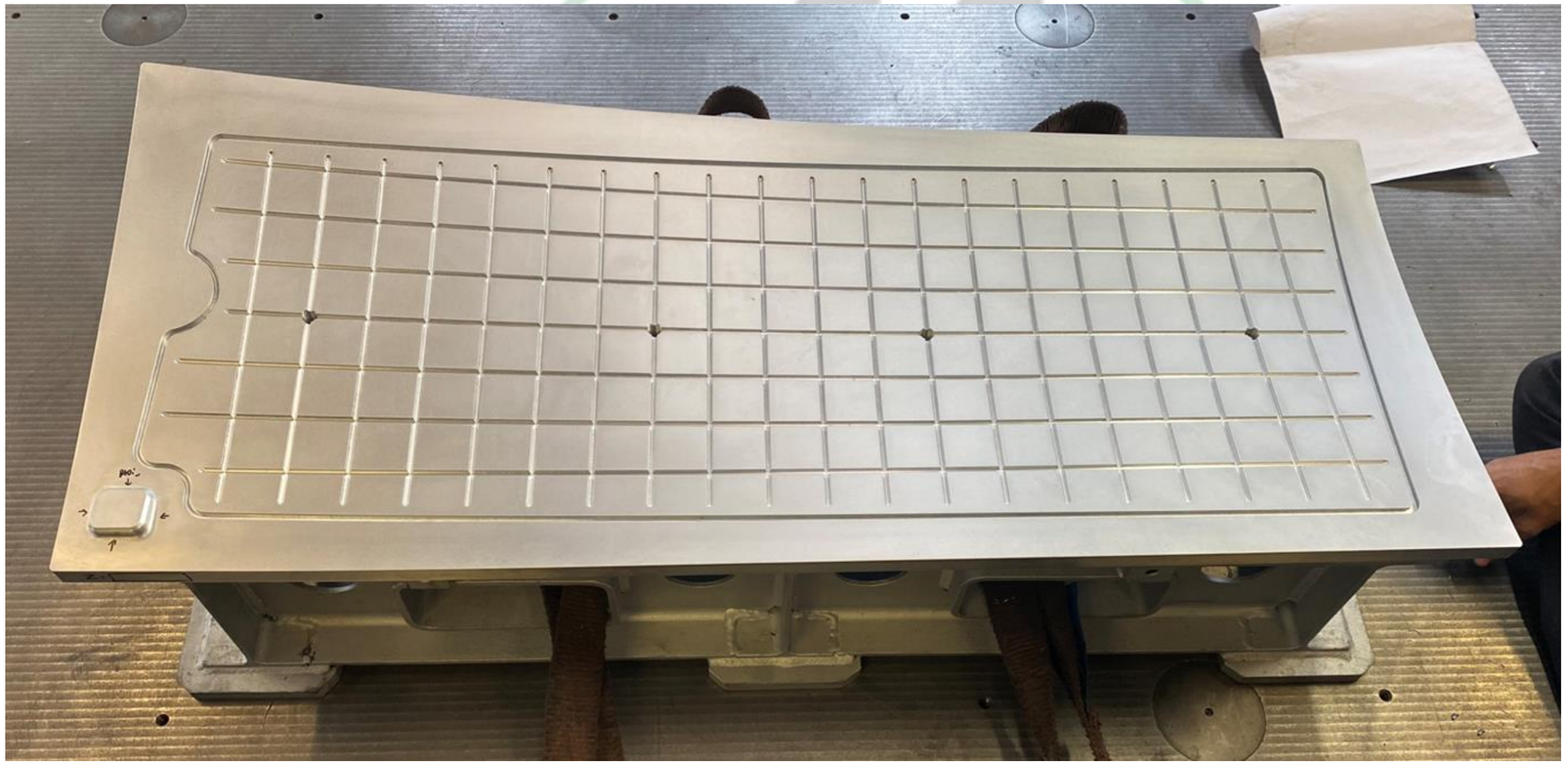
Tekniker MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

FIDAMC

Mondragon Unibertsitatea

MIRLO

- Project Mirlo, Aerotecnic: intelligent machining and tooling through process fingerprinting and analytical logic.



LIDER

We participate in the development of the Disruptive Future Helicopter - LIDER project, which aims to design new aerostructures for current or future helicopters. Its standards are in line with new global needs, especially in terms of energy efficiency and decarbonisation, aerodynamic improvements, environmental impact and circular economy. Of course, without detriment to flight and operational capabilities, and under a comprehensive approach that includes both the design of new elements, research into the use of new lightweight materials and the development of new manufacturing, assembly and fitting technologies that meet the new specifications.

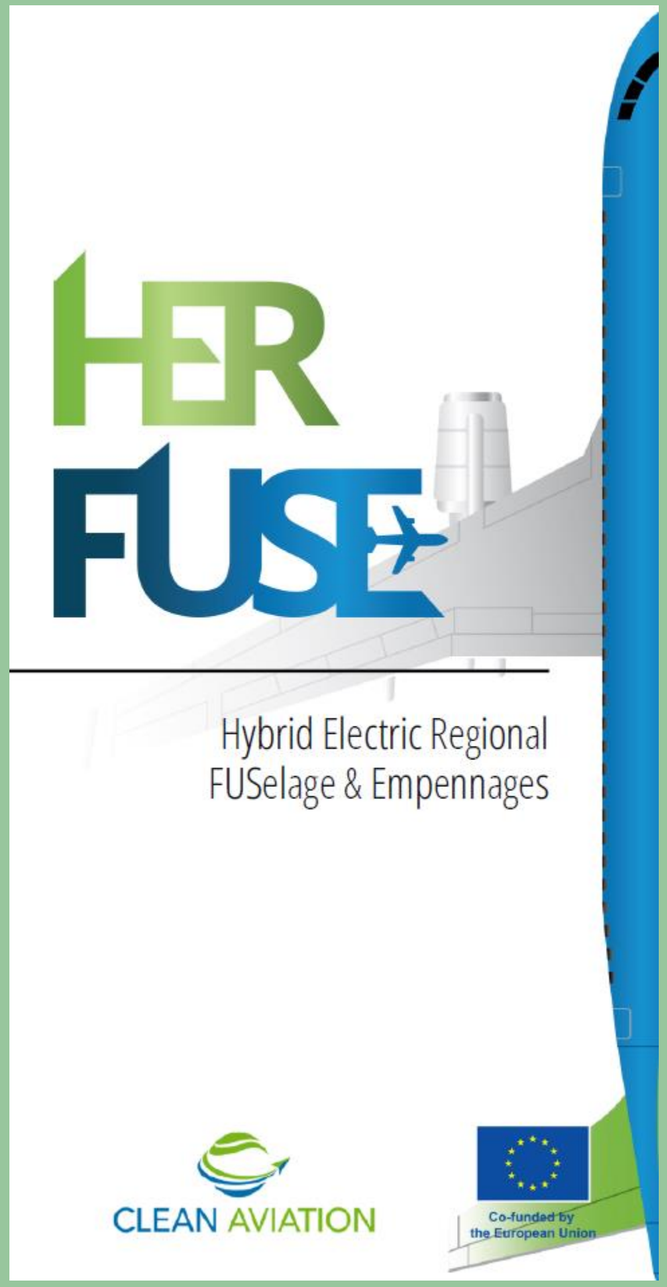
AEROBOTICS

Aernnova intensifies its innovation activity by adding new R&D projects to adapt to the demands of the sector. In this context, Aernnova as leader together with its partners Sisteplant, Mecanizados Vitoria, Automach, Kendu, Tecnalia and Tekniker, has received the approval for the Aerobotics project: robotised aeronautical developments for sustainable production, partially subsidised by the CDTI (Centre for Industrial Technological Development) and supported by the Ministry of Science and Innovation of the Spanish Government.

HERFUSE

The aim of HERFUSE proposal is to design innovative fuselage and empennages suitable for the future Hybrid-Electric Regional aircraft (HER) that will contribute to the overall target to reduce Green House Gases (GHG) emissions. HERFUSE will study the challenges on fuselage and empennages layout, material, components, manufacturing and assembly derived by integration of the relevant fuselage systems for HER as defined in the SRIA for a Hybrid-Electric Regional Aircraft and in HER-01 topic. HERFUSE integrates features and components necessary to regional hybrid-electric propulsion and complementary systems as well as improves weight, durability, aerodynamic efficiency and operational issues.

Our main task in this project is to design and manufacture the necessary tools to produce some of the primary parts of the structure UPPER SHELL using thermoforming molds. The welding process of these parts will need tooling that we are going to manufacture.



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