INGENIERÍA

ENGINEERING BUSINESS UNIT

INTEGRACIÓN TECNOLÓGICA EMPRESARIAL

EVOLUTION AND LOCATIONS

2012

The company was born focused on providing services to the Aeronautical Sector

2013

Engineering Business Unit

2014

Defence Business Unit

2017

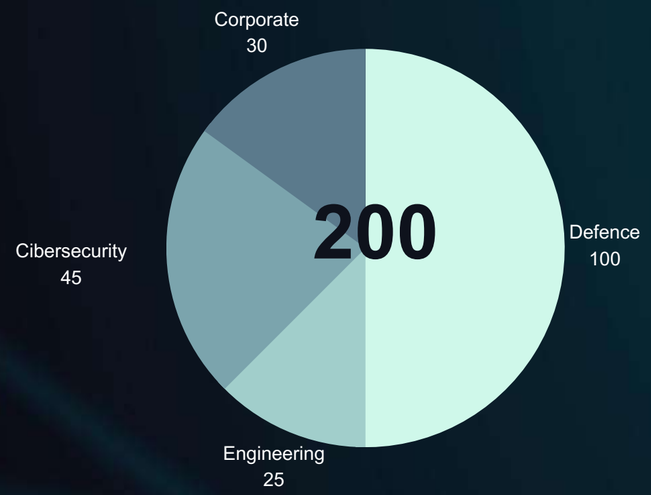
Cibersecurity Business Unit

1. Madrid
2. Albacete
3. Sevilla
4. Cádiz
5. Évora
6. Lisboa
7. Aveiro

OUR COMPANY

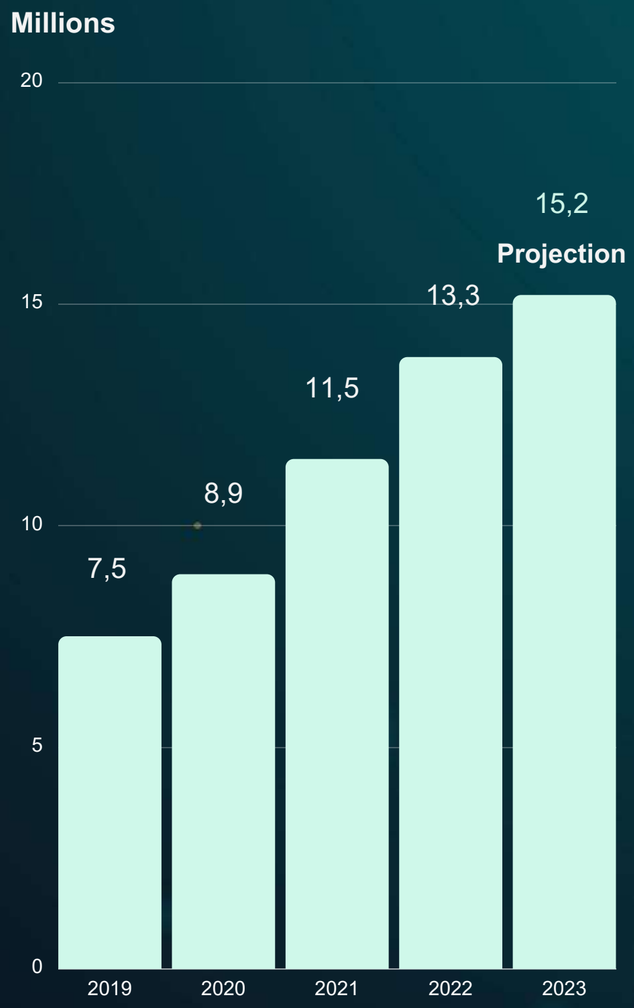
INTEGRACIÓN TECNOLÓGICA EMPRESARIAL

Human capital



	More than 15 years	More than 10 years	More than 5 years
Officers	9	20	30
Technicians	5	35	13
Graduates	38	28	22
Total	52	83	65

Business Growth



Excellence

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO/IEC 20000-1:2018
- ISO 22301:2014
- ISO 27001:2013
- EN 9100:2018
- EN 9110:2018
- INNOVATIVE SME
- Q1 AND Q2 COMPANY CLASSIFICATION
- CERTIFICATE OF COMPLIANCE WITH THE NATIONAL SECURITY SCHEME

BUREAU VERITAS 1828

PYME INNOVADORA

CERTIFICACIÓN DE CONFORMIDAD CON EL ens Esquema Nacional de Seguridad Categoría MEDIA RD 3/2010

red.es KIT DIGITAL

Financiado por la Unión Europea NextGenerationEU

STRUCTURE

MORE THAN 40 YEARS OF ACCUMULATED EXPERIENCE

We are a reference in electrical, mechanical and hydraulic maintenance in the DEFENCE sector, as well as in the supply of complete solutions for logistics support.
We develop special projects adapted to the needs of the client.

MORE THAN 25 YEARS OF ACCUMULATED EXPERIENCE

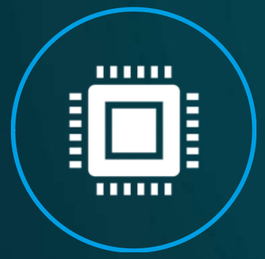
ENGINEERING is the result of the evolution of our business and it was created to provide transversal support to all our activity areas: Robotics, Naval, Aeronautics, Transport, Defense, Industry and Large Installations.

MORE THAN 20 YEARS OF ACCUMULATED EXPERIENCE

Since 2017 our CIBERSECURITY business unit has been helping companies and organisations to assess their IT security status and move towards higher levels of information and operational protection.

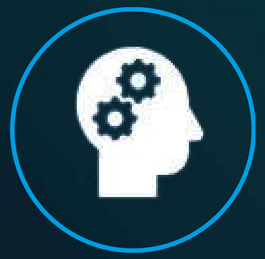
Design and Manufacturing of Industrial Tooling

Process engineering Turnkey projects



Industrial and Collaborative Robotics

Special projects



R+D+i

ENGINEERING

Our team was born from the idea of customer service, covering different sectors and specialising in consultancy for manufacturing processes and means of production using CAD/CAE tools, manufacturing and fine-tuning of complete production lines.

DESIGN AND MANUFACTURING OF INDUSTRIAL TOOLING

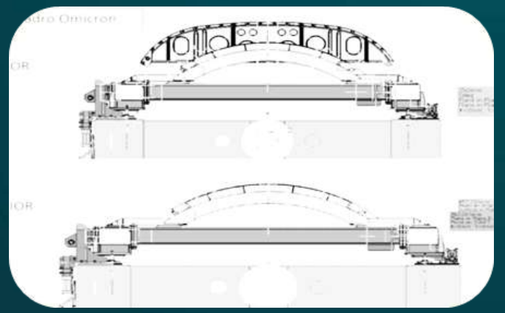
End to End industrial projects from Conceptual Design to PAP.

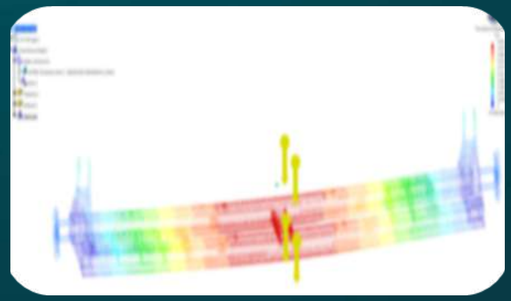
- Part manufacturing tooling
- Assembly stands
- Platforms and accessories
- Trolleys and means of transport

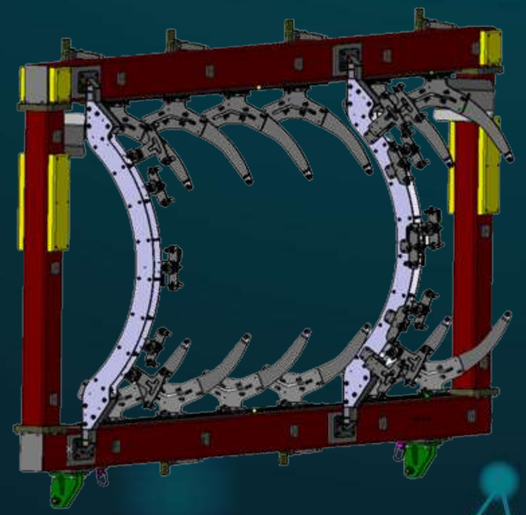
DESIGN AND MANUFACTURING OF INDUSTRIAL TOOLING

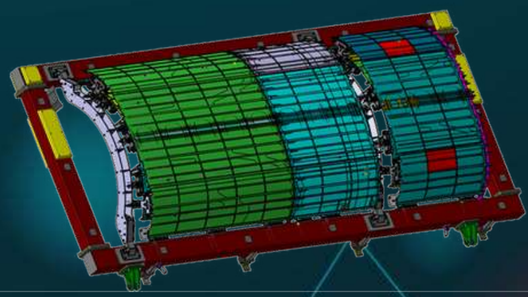
Flexible fuselage frame
295 for robot riveting

- Work carried out in our division:
  Structural calculation and design under ESPEC and meetings.
  - SDR
  - CDR
  - PDR
  - FDR
- Production
  - NDT and load testing
  - Source and destination tuning
  - Try-out and follow-up with product
  - CE certification of system components





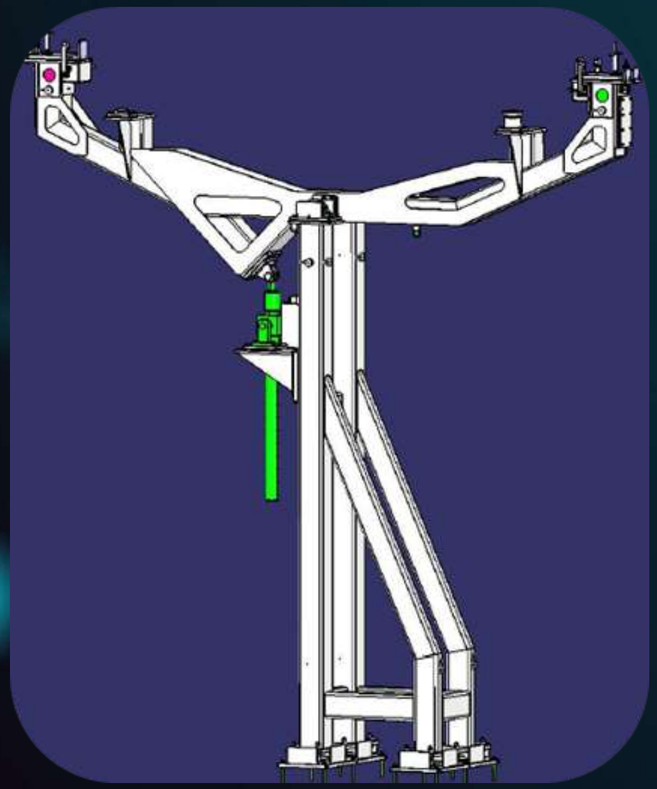




DESIGN AND MANUFACTURING OF INDUSTRIAL TOOLING

Design, manufacturing & laser tracker set up

- Station 11 & 12 - Keal Beam A 350

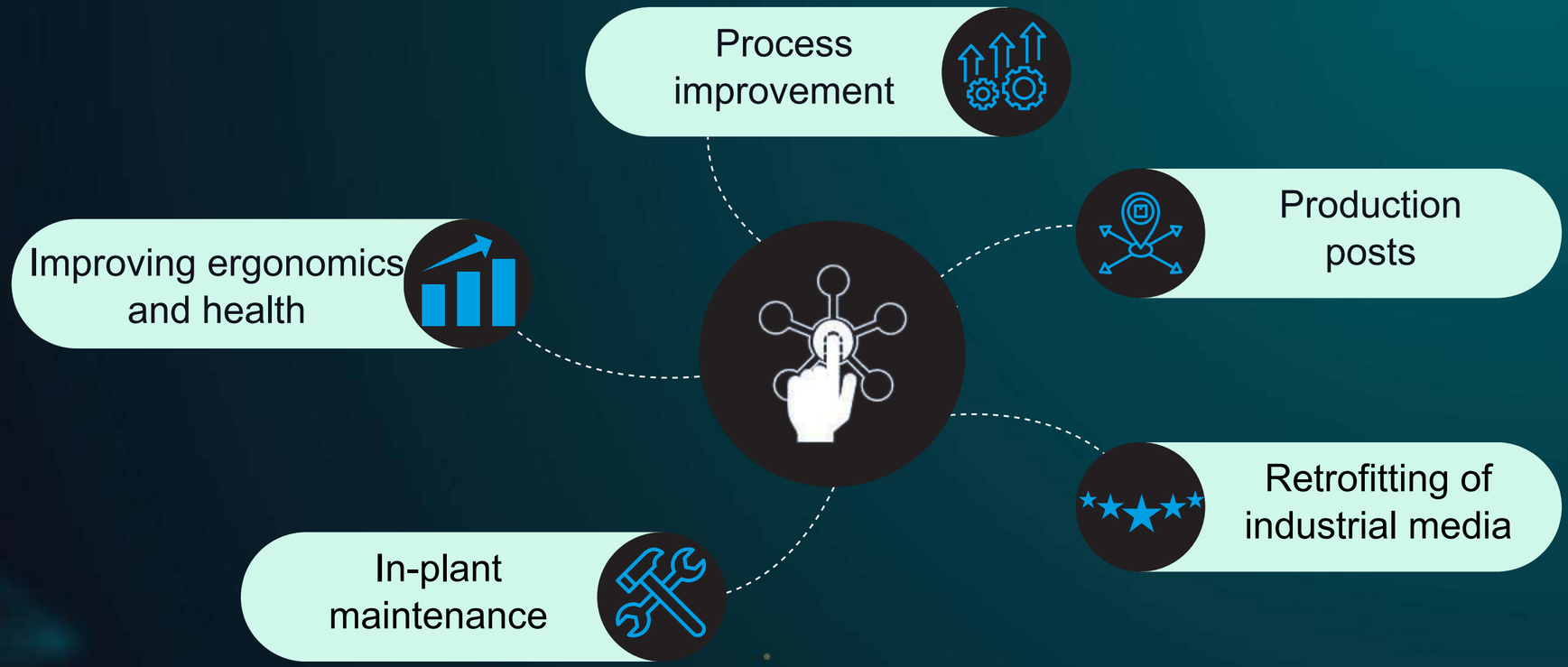


DESIGN, MANUFACTURE & ASSEMBLY OF TOOLING

Assembly Tools

- Pylon Falcon 6X
  Central box assembly and drilling
- Design, manufacture and assembly:
  - Leading Edge Assembly Tools
  - Trailing Edge Assembly Tools
  - Central Box Assembly Tools
  - Pylon Integration Assembly Tools
  - Trolleys, turning and Lifting devices

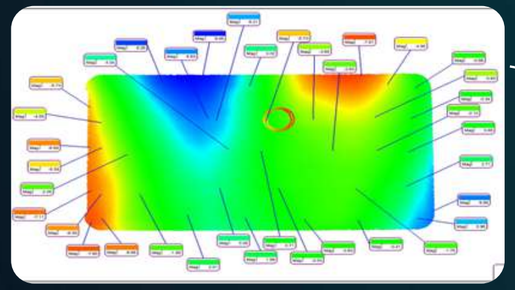
PROCESS ENGINEERING I TURNKEY PROJECTS



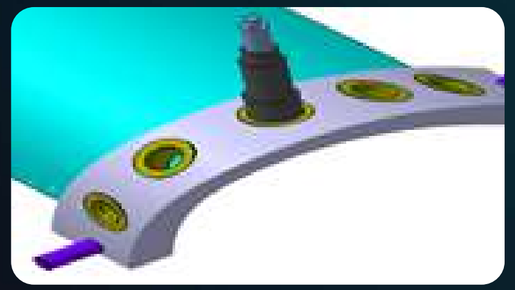
PROCESS ENGINEERING I TURNKEY PROJECTS

Reverse Engineering

AERCAL.
ESCH-C-295



ACITURRI.
BBAA A330



ACITURRI. PAX
DOORS A330

AIRBUS ITE
ENGINEERING

PROCESS ENGINEERING I TURNKEY PROJECTS

Reverse Engineering TIP A 310

Welding fixture in copper/steel

Forming tools for skins & ribs

MTPQ Reverse engineering & manufacturing

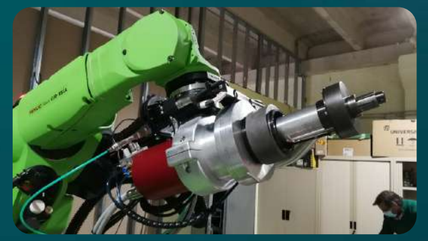
Reverse engineering and complete redesign of surfaces

Complete manufacturing & assembly trial on HTP

INDUSTRIAL AND COLLABORATIVE ROBOTICS

Increased productivity and flexibility of production lines

- Inspection and dimensional verification
- Virtual assembly
- Handling of parts
- Robotic measurement
- Parts handling



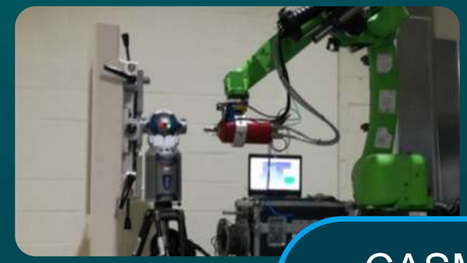
Process Monitoring and Control

Hardware Systems Integration

Longitudinal Displacement

INDUSTRIAL AND COLLABORATIVE ROBOTICS

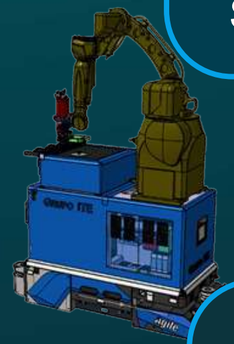
CASMA SYSTEM Project



CASMA SYSTEM I

Design and Development of Systems combined with collaborative robots for drilling and riveting aeronautical structures.

- Collaborative Robotic Solution for surface drilling and with Concentric Collet.
- Collaborative Robotic Solution for automated riveting of Hi-Lok and Hi-Lite.
- Industrial process monitoring, instrumentation and control.



CASMA SYSTEM II

STEP & GAP

SPECIAL PROJECTS

Model based on the hyperplane drone

- The model includes real elements such as:
  The ship's engine
  The landing gear
  The air intake duct

- Simulates dummy elements to generate realistic engineering models such as the engine afterburner.

- A lighting system is integrated into the interior, so that through open areas in the aerodynamic surface, we can observe the interior elements of the model.

SPECIAL PROJECTS

Trainning rooms

- Preliminary design of all components in catia
- Manufactured entirely in aluminium profile with movable frames
- Special tilting frame for clamping carbon aeronautical parts
- Movable lower frame for drilling tests
- Drilling simulations with vertical and horizontal drilling templates
- Countersinking, riveting, sealant application and quakenbush simulation
- Moving parts are moved with the aid of gas or electric cylinders, depending on the area.

R+D+I

Sensorisation

OT cybersecurity

Digital twin

Monitoring

PTA
(Aeronautical Technology Programme)

NAVAL PERTE

PERTE VEC
(connected electric vehicle)

THANKS

info@ite-es.com

Calle Pitágoras, 7
28906, Getafe, Madrid

+34 914 916 505

BUSINESS UNIT PROJECTS

Air base assistance service

Specialized painting services

Structural modifications

Mobile radar launches 3D

Aircraft maintenance

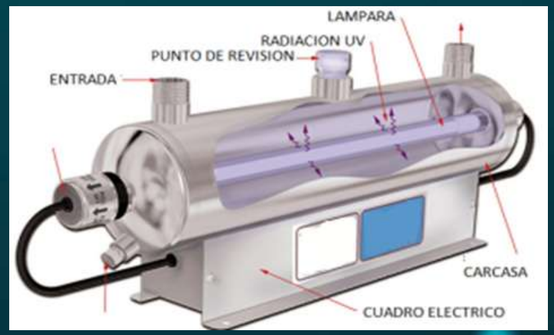
Our team

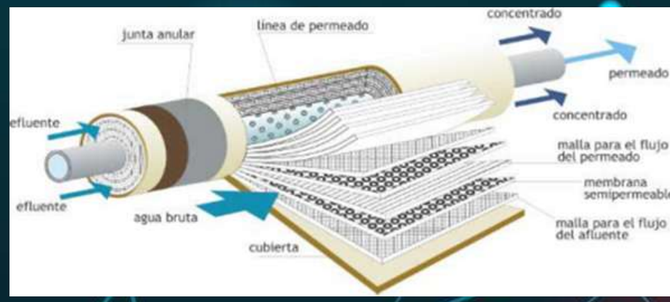
Maintenance of engines

BUSINESS UNIT PROJECTS

Maintenance and modernisation systems for water treatment equipment

- Design and manufacture of Osmosis equipment
- Feasibility study for the maintenance of on-board water treatment equipment
- Membrane filtration systems nano filtration, ultrafiltration and osmosis.
- Ozone, ultraviolet, hydrolysis disinfection systems.
- Mechanical filtration systems using mesh, silica, activated carbon or ion exchange resins.





BUSINESS UNIT PROJECTS

Water treatment systems

Osmosis plant

Drinking water generator

BPE. Chlorine equipment

BUSINESS UNIT PROJECTS

Plastic / waste shredder

Plastic shredder

- We take care of the environment

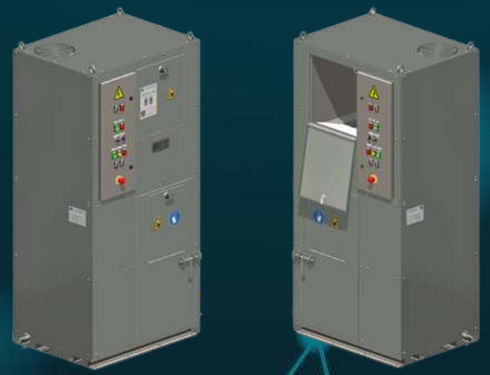
  The shredder reduces the volume and dimensions of bottles and plastic bags by crushing and cutting, facilitating their subsequent storage in the receiving container on the ground.

Compacting shredder

- We take care of the environment

  The shredder reduces the volume and dimensions of the garbage by shredding and cutting, facilitating its subsequent storage in bags.

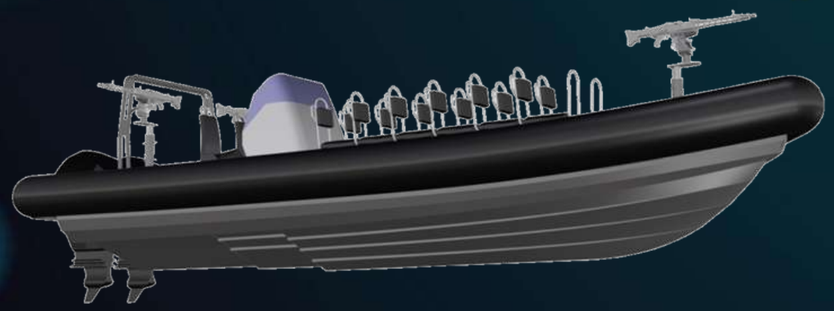
- Suitable for:
  - Non-combustible waste (crusher and compactor)
  - Solid waste (crusher)



BUSINESS UNIT PROJECTS

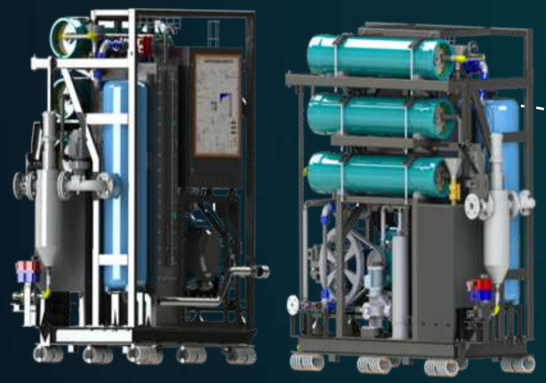
Semi-rigid boat

- Design and development of Semi-Rigid Boat for the Engineers Weapon
- Versatile for special operations
- Trailer suitable for deployment support with lifting elements

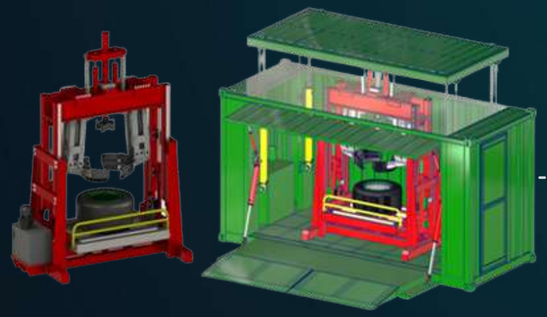


BUSINESS UNIT PROJECTS

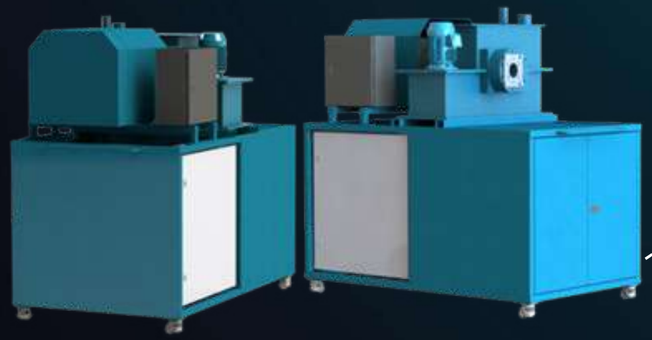
Osmosis and Shredding Plants



Barefoot



Hydraulic motor bank



Gas Turbines and Pumps Maintenance

AVV Maintenance

Air conditioning

PROCESS ENGINEERING I TURNKEY PROJECTS

Quality engineering

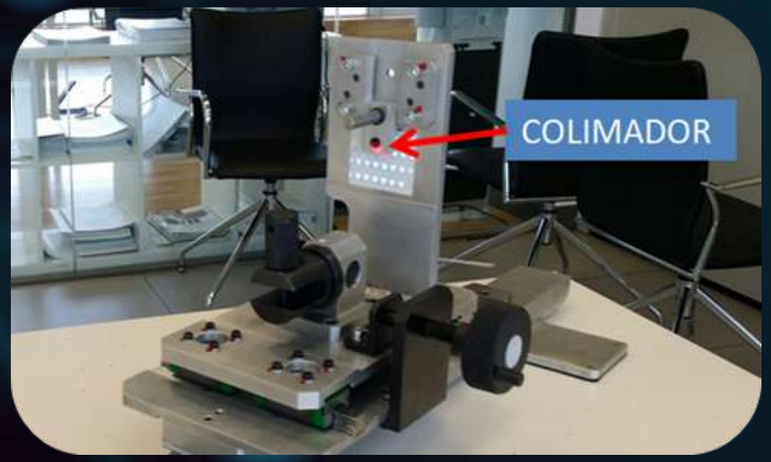
- Solutions and process improvement, after verifications and Quality Audits (AACC)
- Technical consultancy for control and maintenance of production lines
- Evaluation of assembly processes using simulation techniques
- Development of specific applications for the integration of dimensional control in production
- Generation of specifications for assembly and reception of tools

DESIGN, MANUFACTURE & ASSEMBLY OF TOOLING

Assembly control ROD

- Helicopter

  Laser beam calibrator for length calibration and adjustment of control rods



DESIGN, MANUFACTURE & ASSEMBLY OF TOOLING

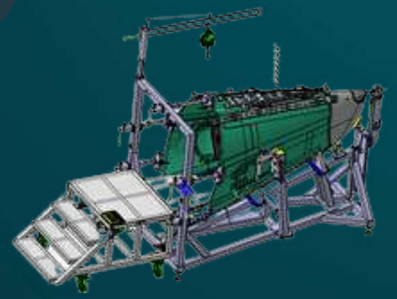
Checking installations

- New aerodynamic surfaces - 190 - E2
- More than 255 blades for LH & RH tools
  - Lower front spoiler
  - Skin lower middle wing
  - Lower rear spoiler
  - Leather upper front wing
  - Aft wing top skin

DESIGN, MANUFACTURE & ASSEMBLY OF TOOLING

Assembly tools and vacuum handling CFRE

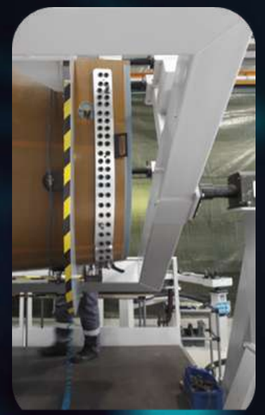
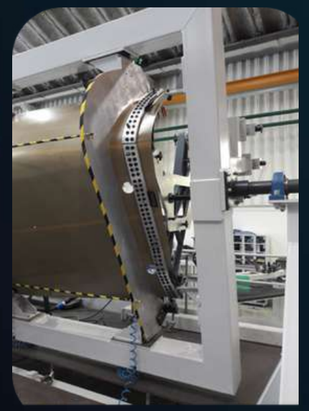
- Legacy 450
  - Tail cone
  - Final operation JIG trailing edge sealing JIG
  - Duplication of aileron assembly chain
  - Suction cup handling system for tail cones



DESIGN, MANUFACTURE & ASSEMBLY OF TOOLING

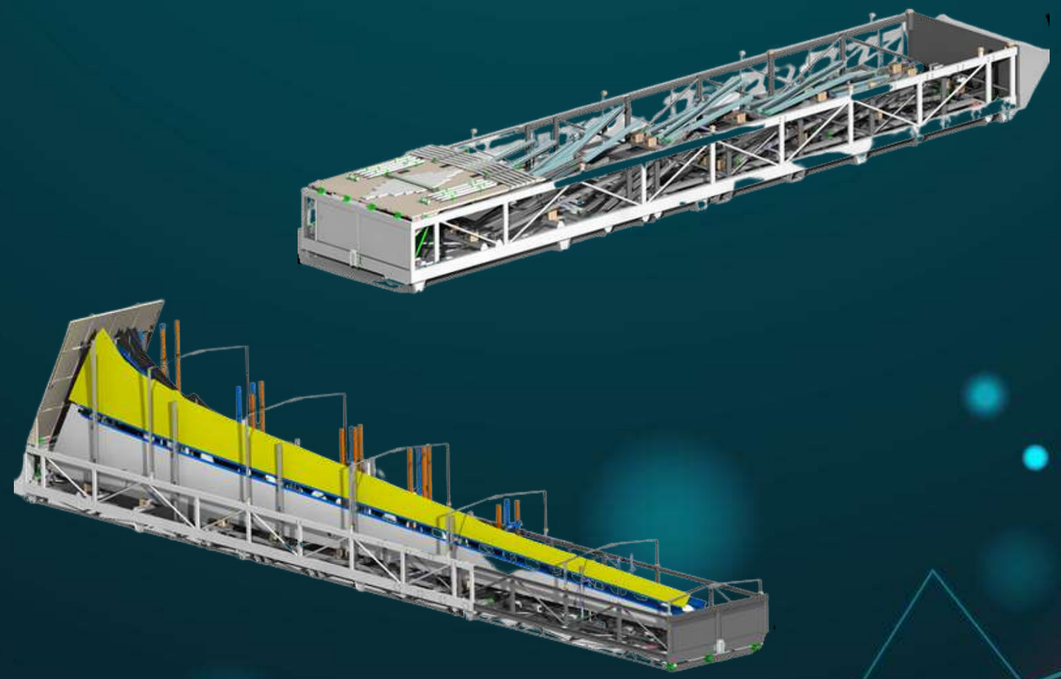
Drilling templates setitec

- Drilling templates for seti-tec one step machine
- Legacy assembly chain (Embraer)
- KC-390 & Falcon 6X (Ogma)


AC parts transport solutions

- Telescopic and multipurpose freight E2 for container 40'- 12 to 17m



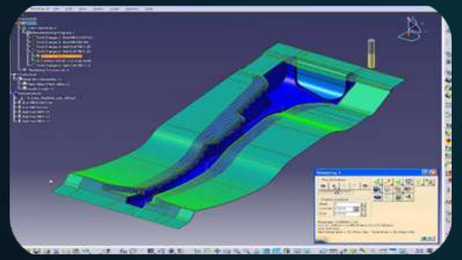
MANUFACTURING ENGINEERING

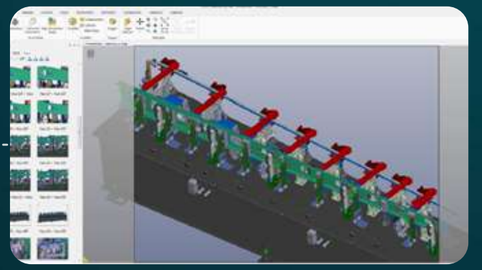
Manufacturing Engineering

AAC & ITE engineering framework agreement

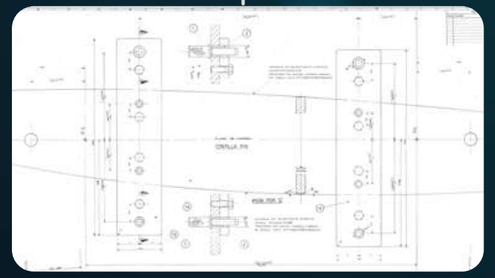
Integral maintenance contract for composite and metallic plants

Support manufacturability





3D operational procedures via composer



Design at customer's premises