

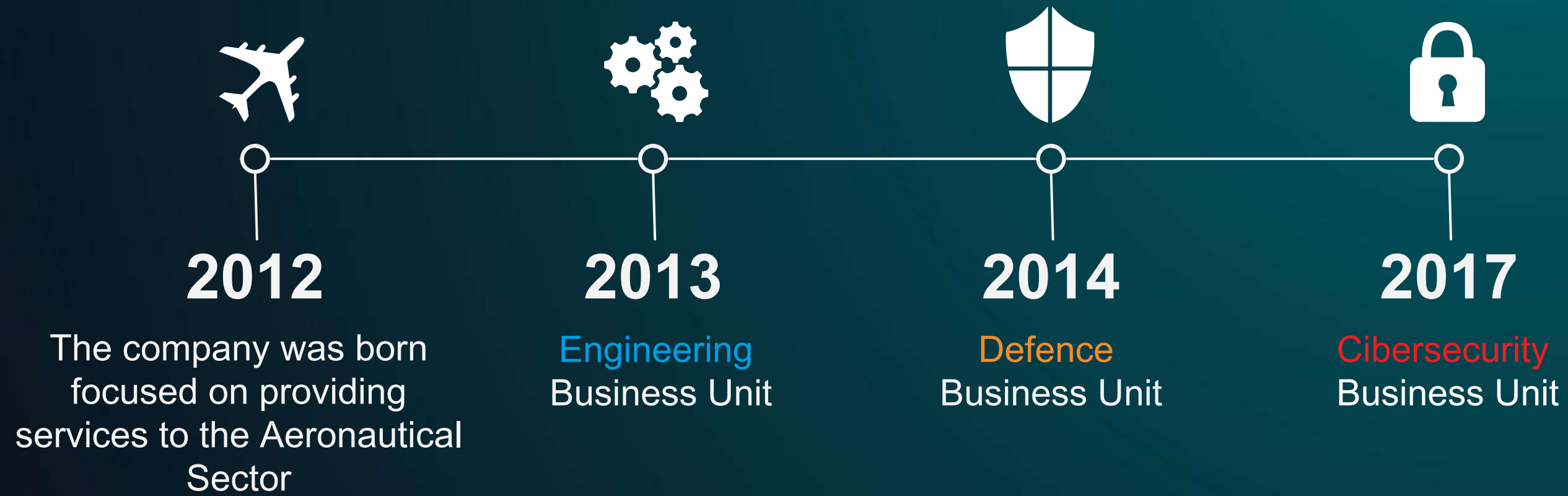


DEFENCE BUSINESS UNIT

INTEGRACIÓN TECNOLÓGICA EMPRESARIAL



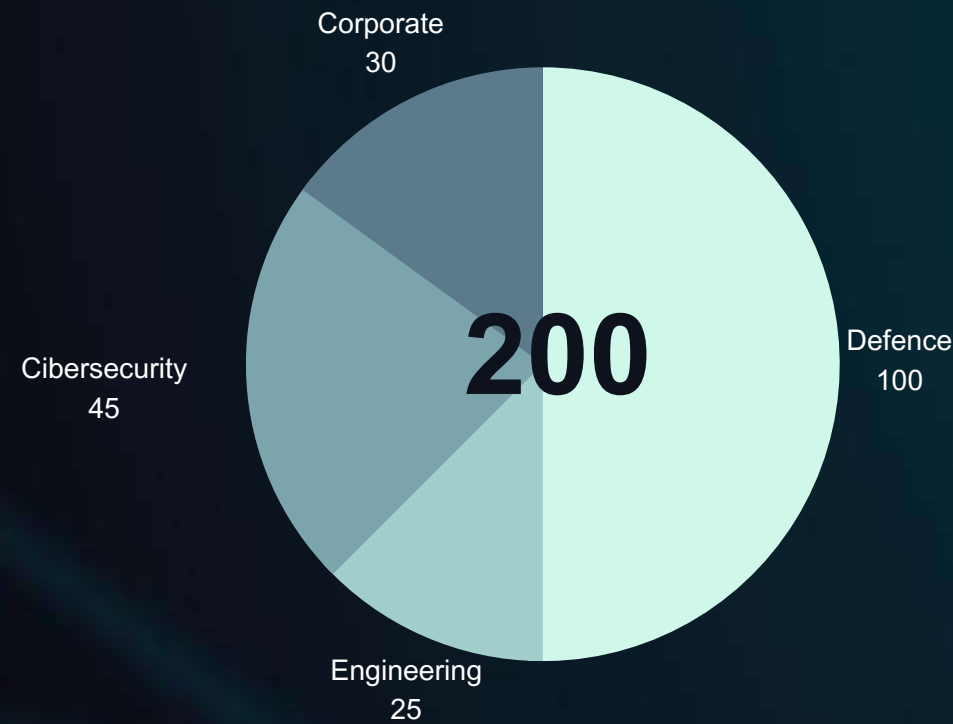
EVOLUTION AND LOCATIONS



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

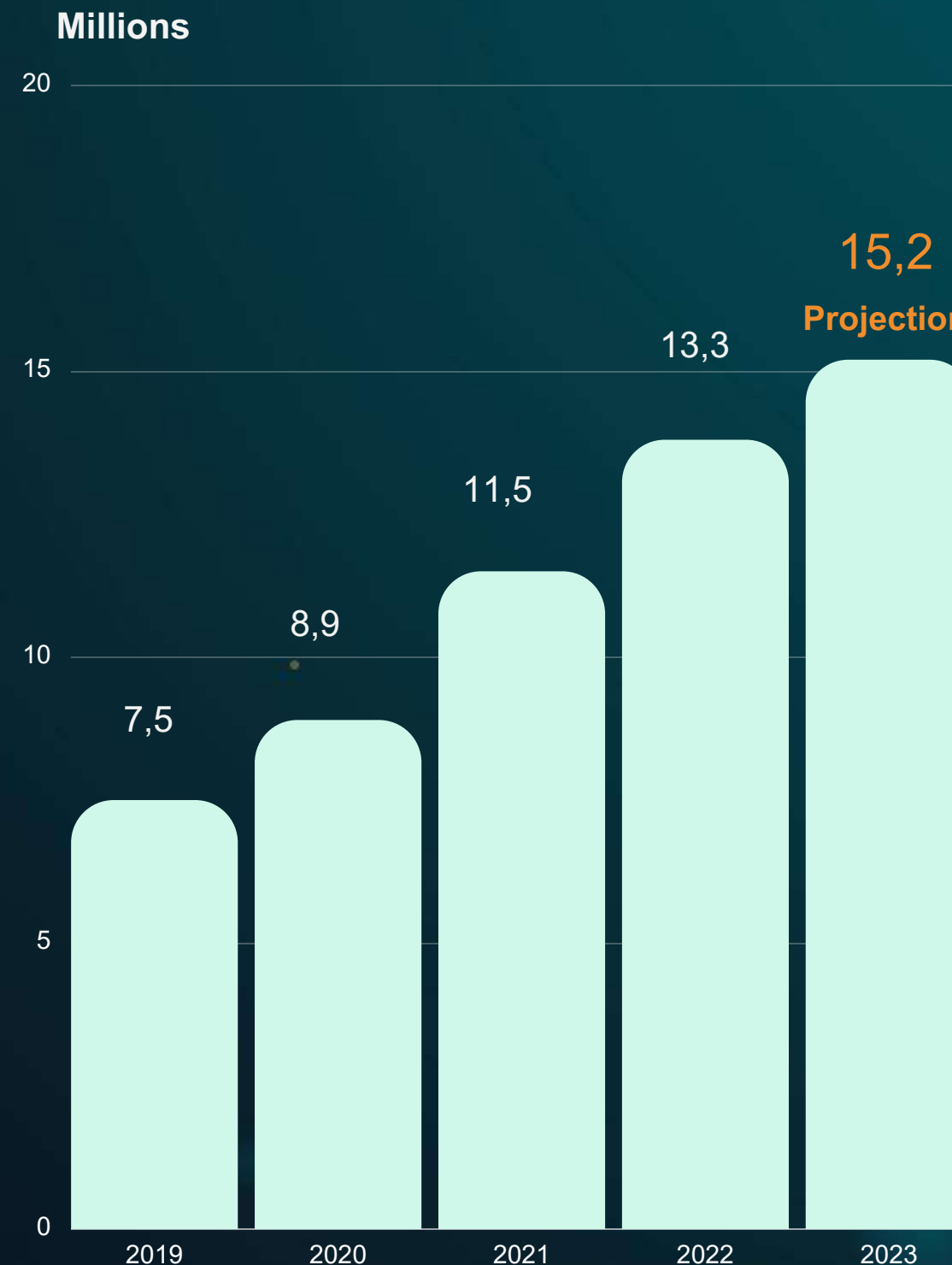
OUR COMPANY

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



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.



Technical Support
Service at customer sites



Maintenance and
upgrade of systems and
equipment



Integration of CIS
systems into vehicle
platforms



R+D+I | Own products



DEFENCE

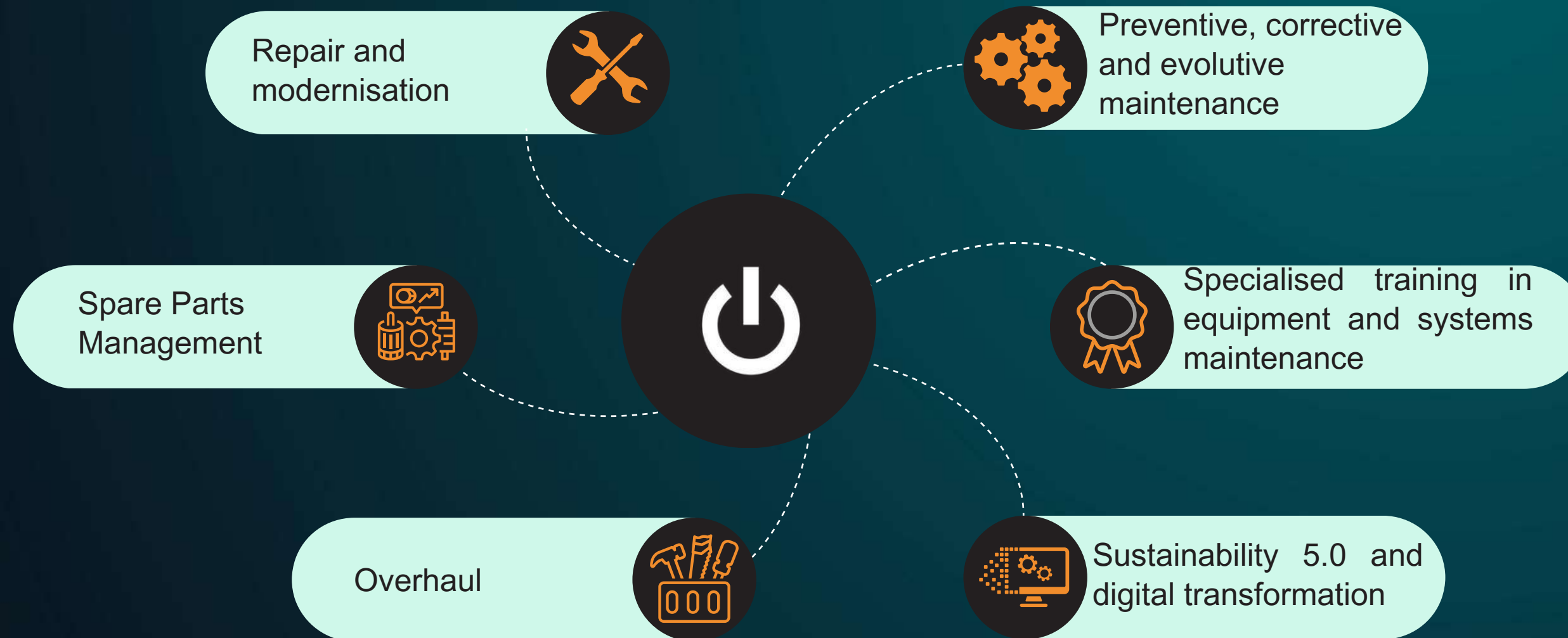
The Defence unit is a reference in the Armed Forces and State Security Corps, with highly qualified services optimising costs and delivery times.

Development of special projects according to customer requirements

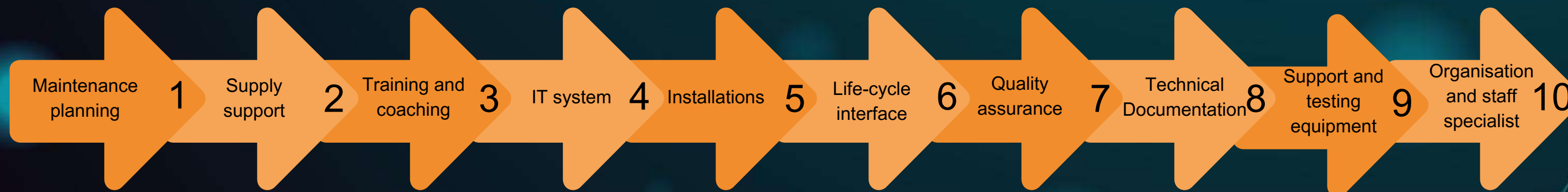
TECHNICAL SUPPORT SERVICE AT CUSTOMER SITES



MAINTENANCE AND UPGRADE OF SYSTEMS AND EQUIPMENT

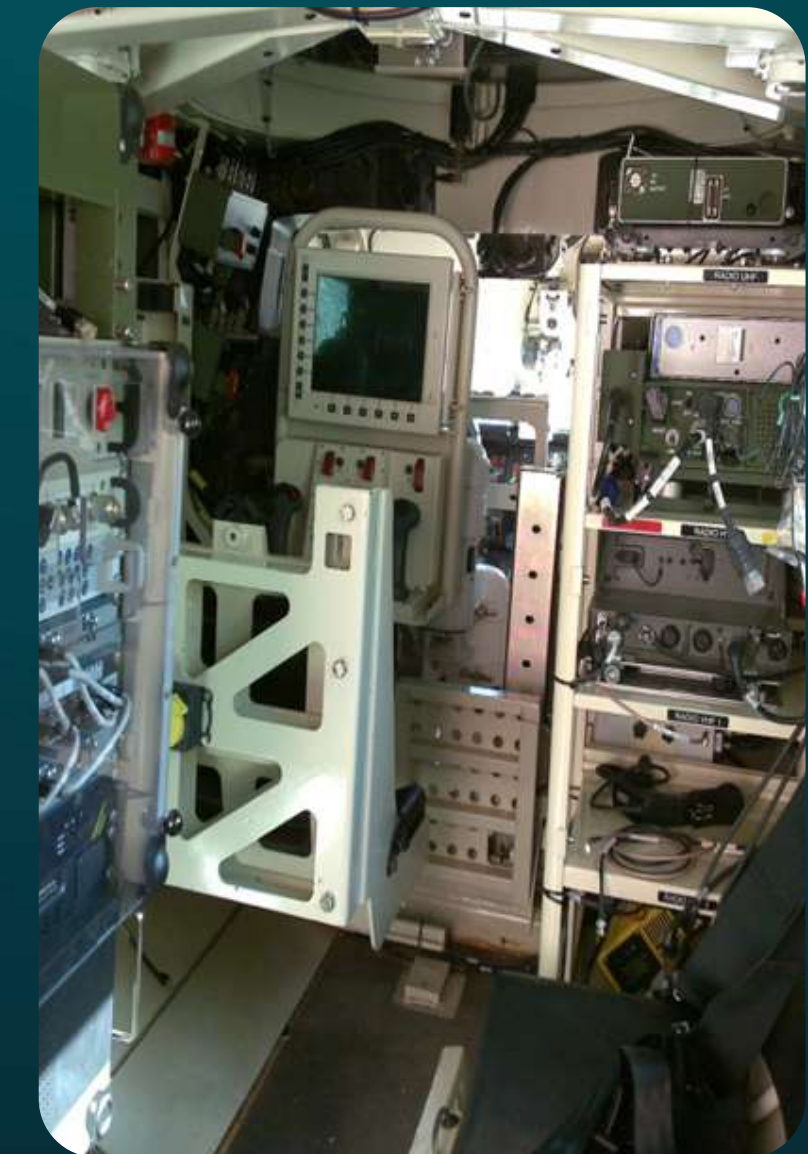
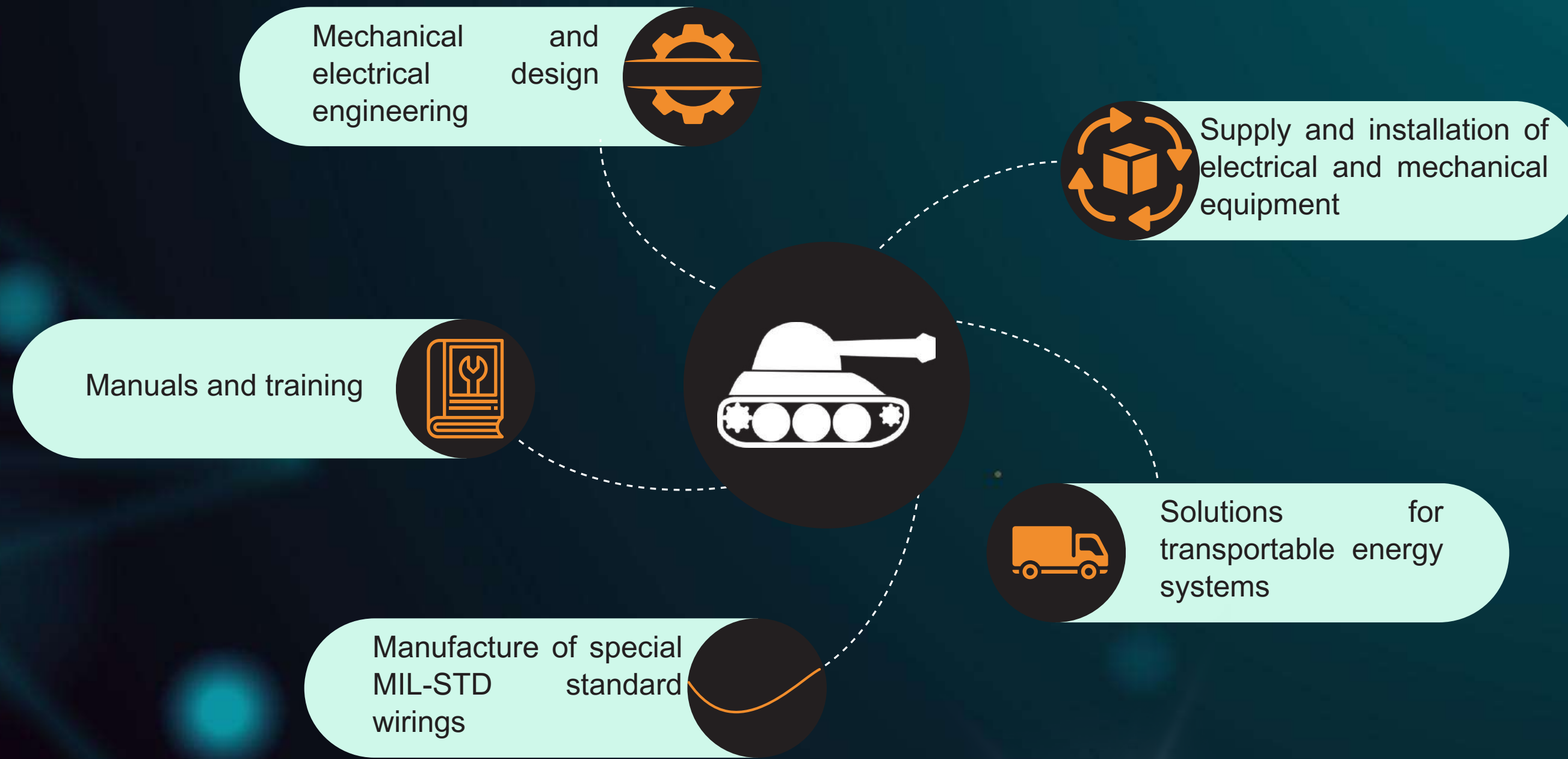


Integrated Logistics Support (ILS)



INTEGRATION OF CIS SYSTEMS IN VEHICLE PLATFORMS

Special solutions in communications and power systems integration as well as vehicle and shelter platforms.



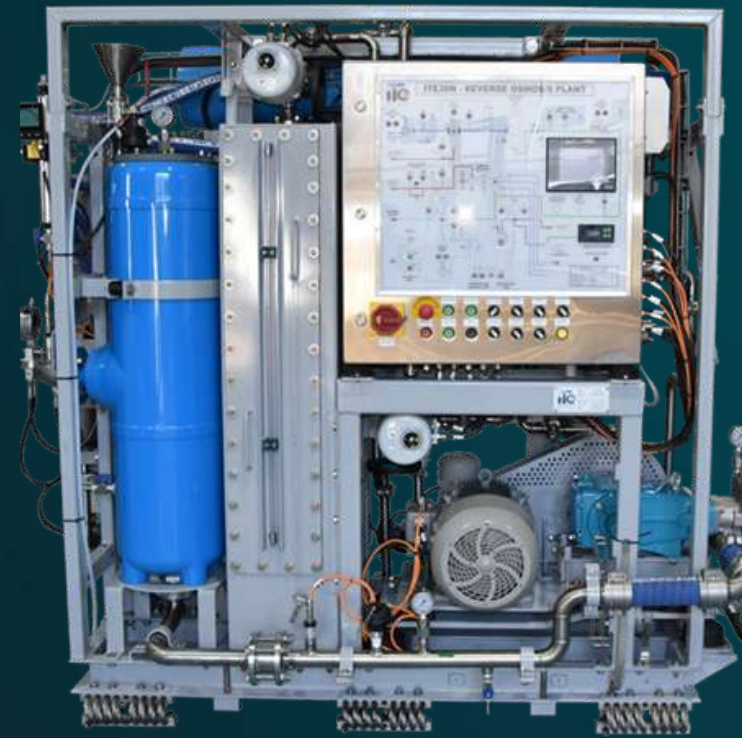
CIS Communication

R+D+i | OWN PRODUCTS



Technological development to obtain new products, materials and processes, adapting to evolutionary requirements.

Our objective is to obtain knowledge, materialising in solutions and discoveries with the capacity to increase the competitiveness of the business fabric.



Osmosis plant



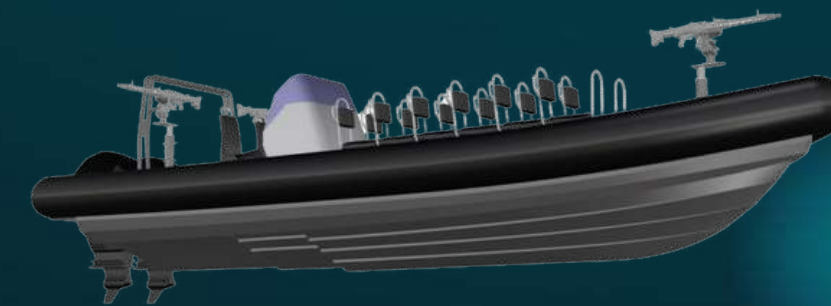
Descaling machine



Plastics shredder



Test benches



Semi-rigid boat



Compacting shredder

AIR AND SPACE FORCES - PROJECTS

Assistance
service
workshops



Structural
modifications



Aircraft
maintenance



Specialized
painting services



Energy plant
Launch 3D



Our
team



Maintenance of
engines



Assistance service workshops

- Propeller Overhaul and Repair
- Technical assistance Hydraulics workshop
- Sheet metal work
- Paint shops / structural repairs in MAESAL
- Aircraft cleaning
- Structural modifications
- Aircraft Engineering & Maintenance Services



Integral Assembly

AE9/F5-12

- Transformation for maritime monitoring
- 6-metre long console set for the P3 Orion.
- Conversion to the new configuration for search, rescue and reconnaissance in army operations.
- C295 Rack Design and Wiring Diagrams
- Test benches
- Repair of avionics equipment of weapon systems
- Repair of equipment and systems



Aircraft maintenance

- Inspection and repair of fuselage, wing, and components
- Corrosion removal and treatment
- Changing the sealant in the wing tanks
- Modifications and bulletins

C101 (E25)



F18



Structural modification F5

- Inspection and repair of airframe and components
- Painting
- Assemblies
- Assembly and adjustment of the engines
- Adjustments and tests of all systems: Electricity, avionics, fuel, hydraulics, anemometry, conditioning and flight controls.



Maintenance of engines J85-GE-13 at ALA 23 (F5)

- Disassembling the engine
- Cleaning and inspection of parts
- Maintenance of accessories (fuel, oil, etc.)
- Repair of parts
- Assembly and balancing of rotating assemblies
- Final assembly of the engine

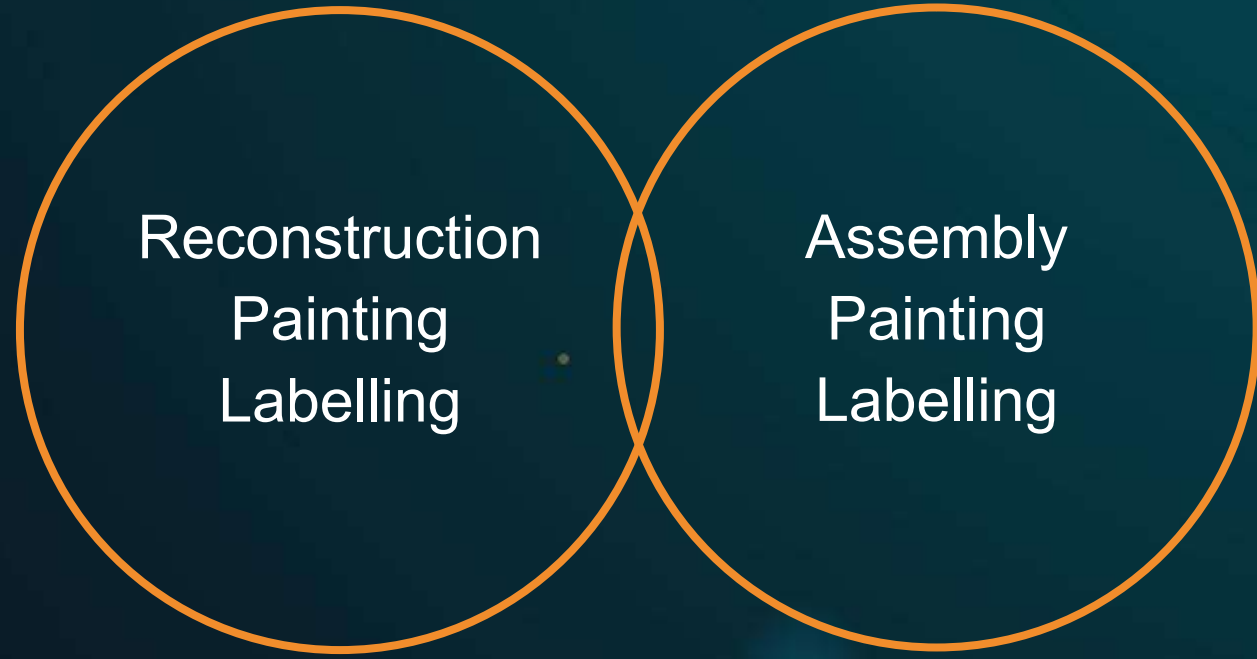


AIR AND SPACE ARMY - PROJECTS



Assistance service workshops

➤ Disassembly SAETA HA-200D, AE10B-59



➤ Base for Torrejon's foreman's shop
Design and manufacture of equipment



AIR AND SPACE ARMY - PROJECTS

Specialised painting services

- Preparation
- Labelling
- Development
- Ploterised
- Final Paint Application

C16-73

Exercises of the "Nato Tiger Meet 2018" in Poland



E-25 CLAEX

Aircraft tail



3D Radar power plant

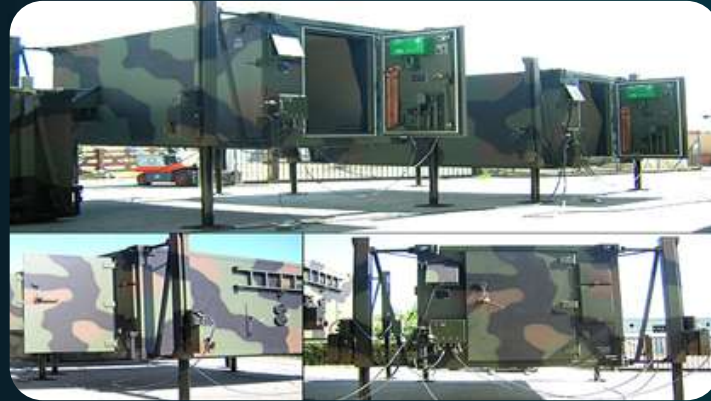
High availability
power plant

- 200 KW power plant up to 3,000 m altitude, with built-in UPS suitable for 10 minutes autonomy.
- Composition: 2 Shelter type ISO 10 with 1+1 parallel/redundant operation and network monitoring.
- Automatic self-levelling and truck loading/unloading system.
- Automatic cable management system.



ARMY - PROJECTS

Shelter maintenance and modifications



Field Hospital Maintenance



Adaptation of POMO/RAE systems



Full maintenance and reconstruction



Spare parts management



Semi-rigid boat



Supply and Maintenance of Generator Sets



ARMY - PROJECTS

- Maintenance, modernisation and logistical support of vehicles
- Maintenance of field hospitals and camps
- CBRN decontamination projects
- Adaptation of transmission test bench for testing of armoured vehicles
- Upgrading of equipment
- Spare parts management



Shelter maintenance and modifications

- External waterproofing of equipment
- Modernisation of equipment
- Design of tropicalised air-conditioning systems and personal protection systems
- Various applications on ISO and NATO shelters and containers: ACE III, NATO II, S788 and special applications
 - Shelter application Armero
 - Expandable container
 - Water treatment plants
 - Containerised incinerator
 - Office module



Shelter maintenance and modifications

- POMO - RAE adapted to NATO shelter II
 - Adaptation of POMO and RAE to heliborne NATO II heliborne shelter
 - Improved ergonomics and systems development
 - Advantages:
 - Secure mobility by land, air or sea
 - Implementation of security measures for field work.
 - Technical implementation for the durability of on-board systems
 - All materials used in the adaptation are of the highest quality.



Maintenance of field hospitals

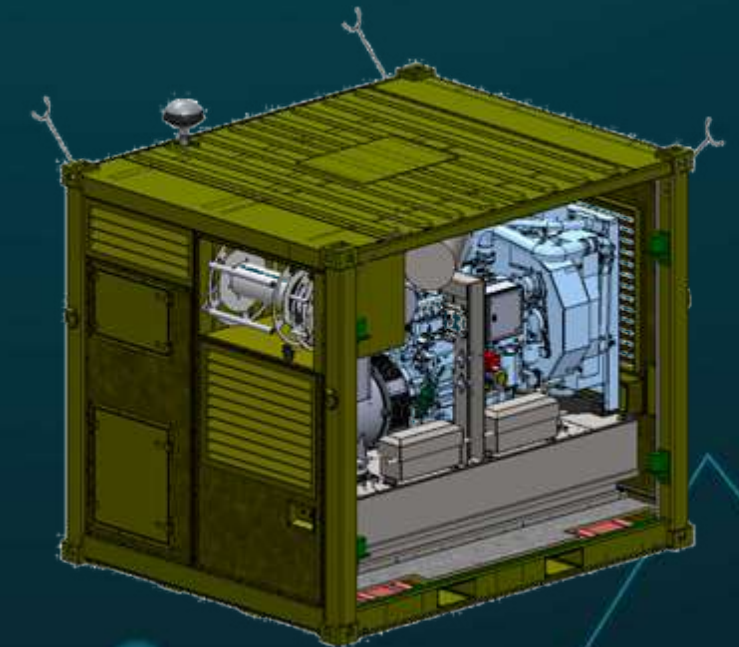


- Supply and maintenance of tents, tents of various types, and hangars
 - Hangars
 - Workshop tents
 - Modular multi-purpose tents
 - Drash Rapid Deployment Tent
 - Harp nm2/6 rapid deployment tent
 - Ansell and high pressure tents



Shelter maintenance and modifications

- Development of special solutions for the integration of communications and energy systems in vehicle and shelter platforms.
- Design, manufacture of damped racks for communications equipment.
- Manufacture of special mil SD standard cabling
- Communications systems integration
- Design and manufacture of transportable power systems.



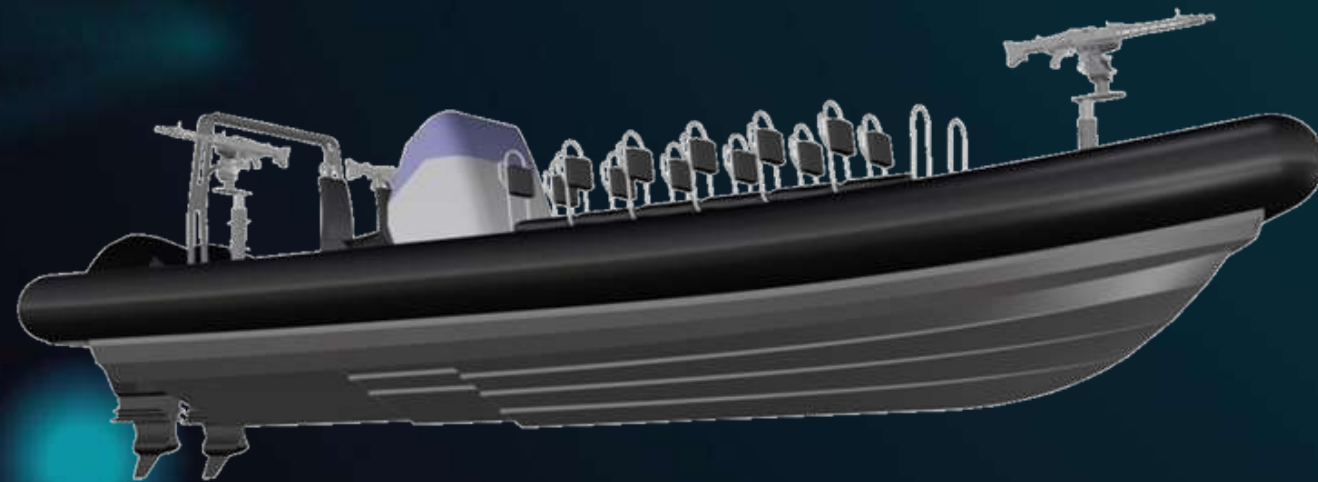
Adequacy of POMO/RAE systems

- Design, manufacture of equipment and customised solutions
- Inspections by qualified technicians
- Non-destructive testing (N.D.T.), load calculation, certifications
- Adaptation of equipment to current legislation and standards

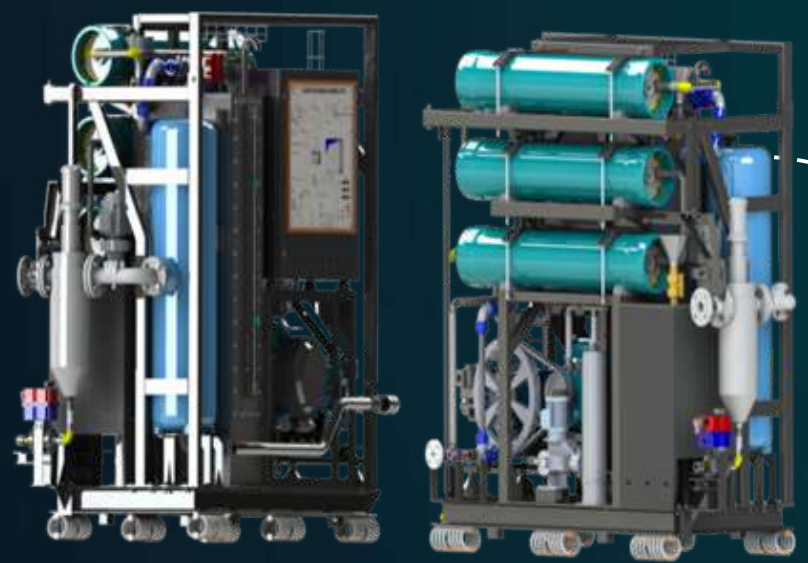


Semi-rigid boat

- > Design and development of a semi-rigid vessel for the Engineer Corps
- > Multi-purpose for special operations



NAVY - SPECIAL PROJECTS

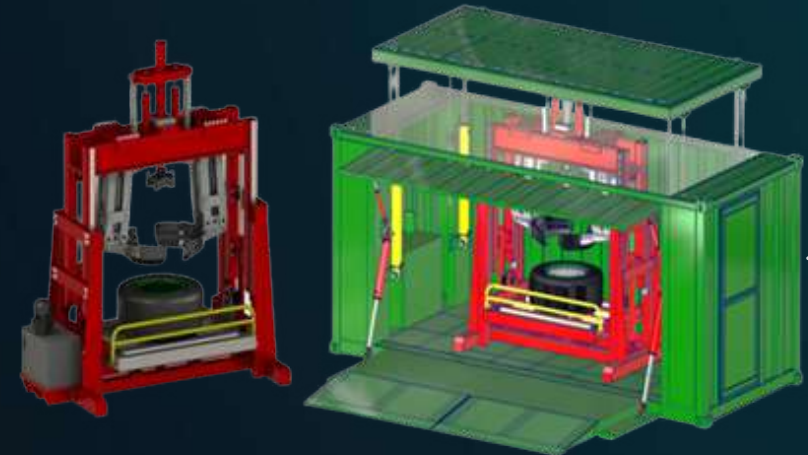


Osmosis and Shredding Plants



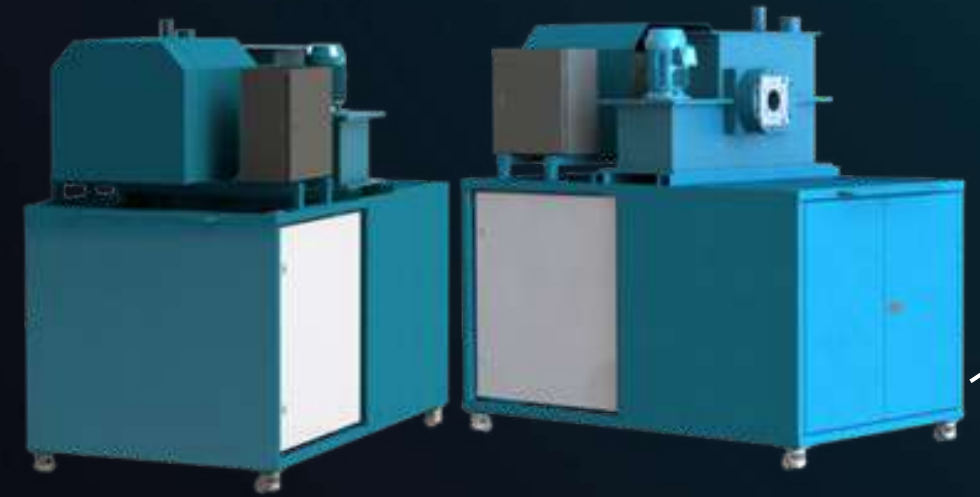
Gas Turbines and Pumps Maintenance

Descaler



AVV Maintenance

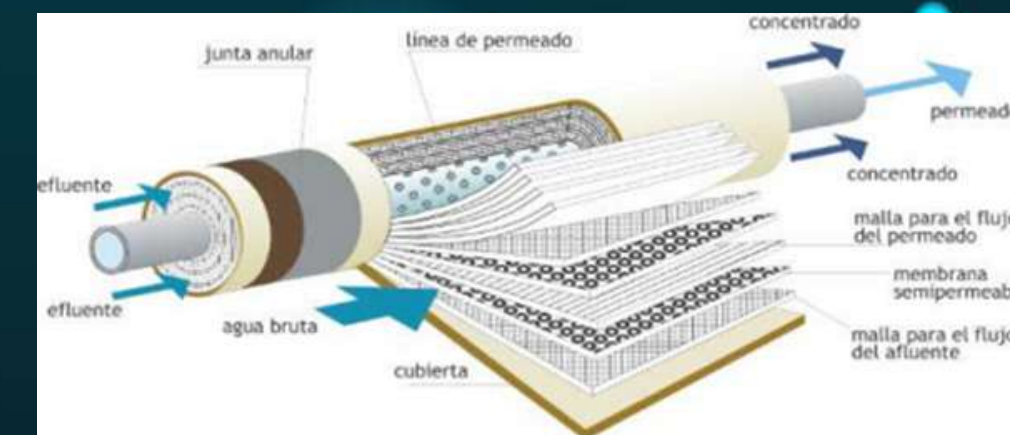
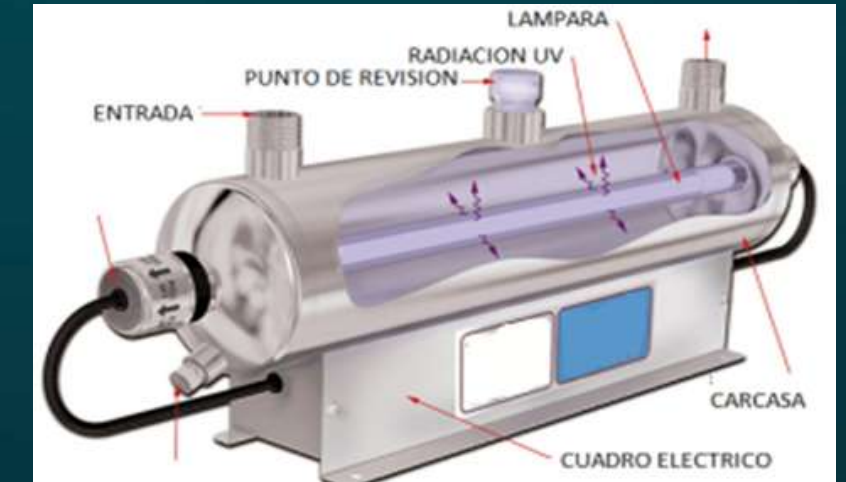
Test benches



Air conditioning

Water treatment equipment maintenance and modernisation systems

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



Water treatment systems

> Osmosis plant



> Potable water generator



> BPE. Chlorine equipment



Osmosis Plant

- Reina Sofia Frigate Osmosis Plant
 - Modernisation of FFG frigates
 - Project: Reverse Osmosis Plants ITE-30TD (NOC: 4620-33-213-2606)
 - S/MIL STD-810-F shock-rated equipment



Shredders

> Plastic shredder

- We care for the environment

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



Shredders

> Compacting shredder

- We care for the environment

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

- Suitable for:
 - Non-combustible waste (shredder and compactor)
 - Combustible waste (shredder)



NAVY - SPECIAL PROJECTS

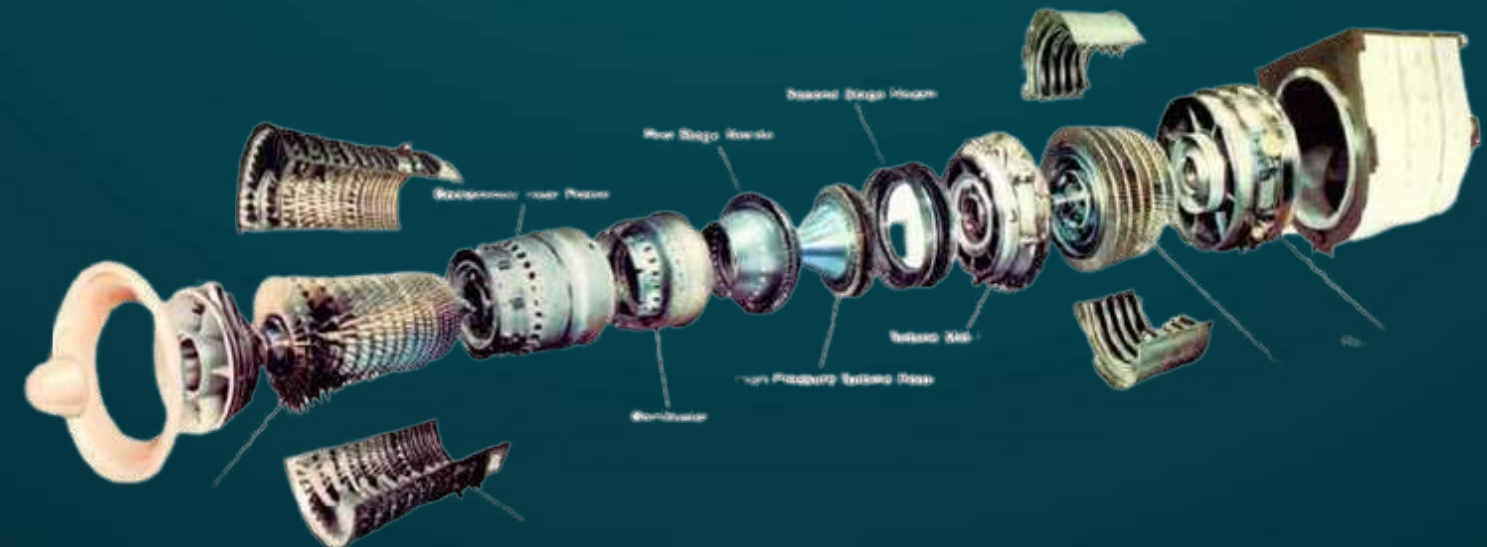
Corrective and evolutionary VPA vehicle maintenance



Maintenance of GE LM2500 turbines equipping frigates and the BPE

- On-board boroscopic inspections
- On-board turbine alignment
- Disassembly of the engine into sub-assemblies
- Cleaning and inspection of components
- Balancing of rotating assemblies
- Final assembly of the engine

General Electric
LM2500



SPECIAL PROJECTS



Special Supplies

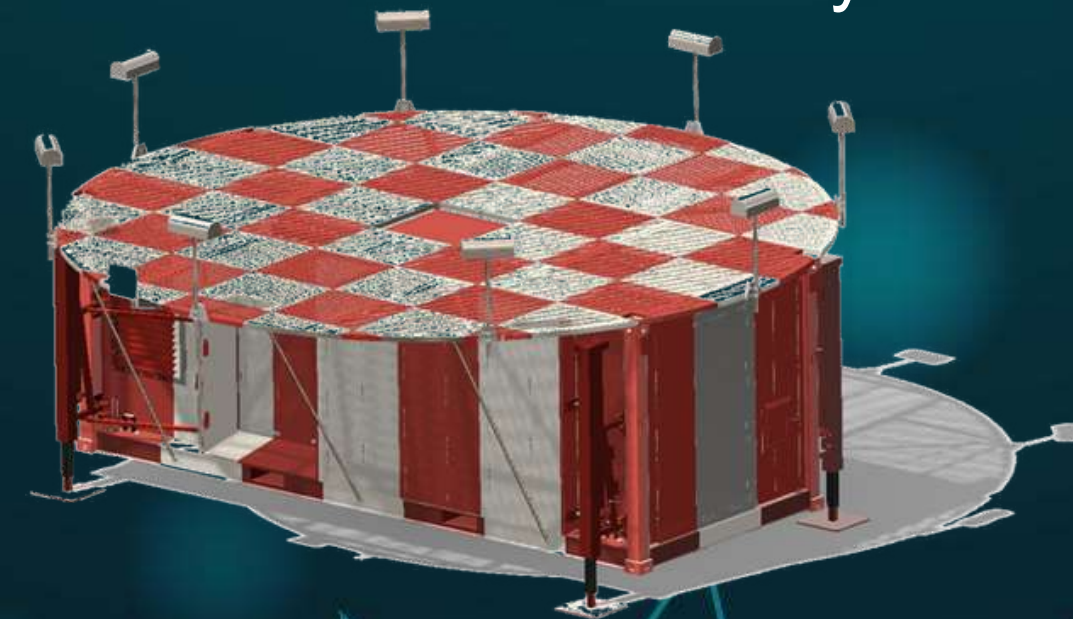
➤ Water treatment plant and incineration plant



➤ Hydraulic pump on ISO 20' 1C container

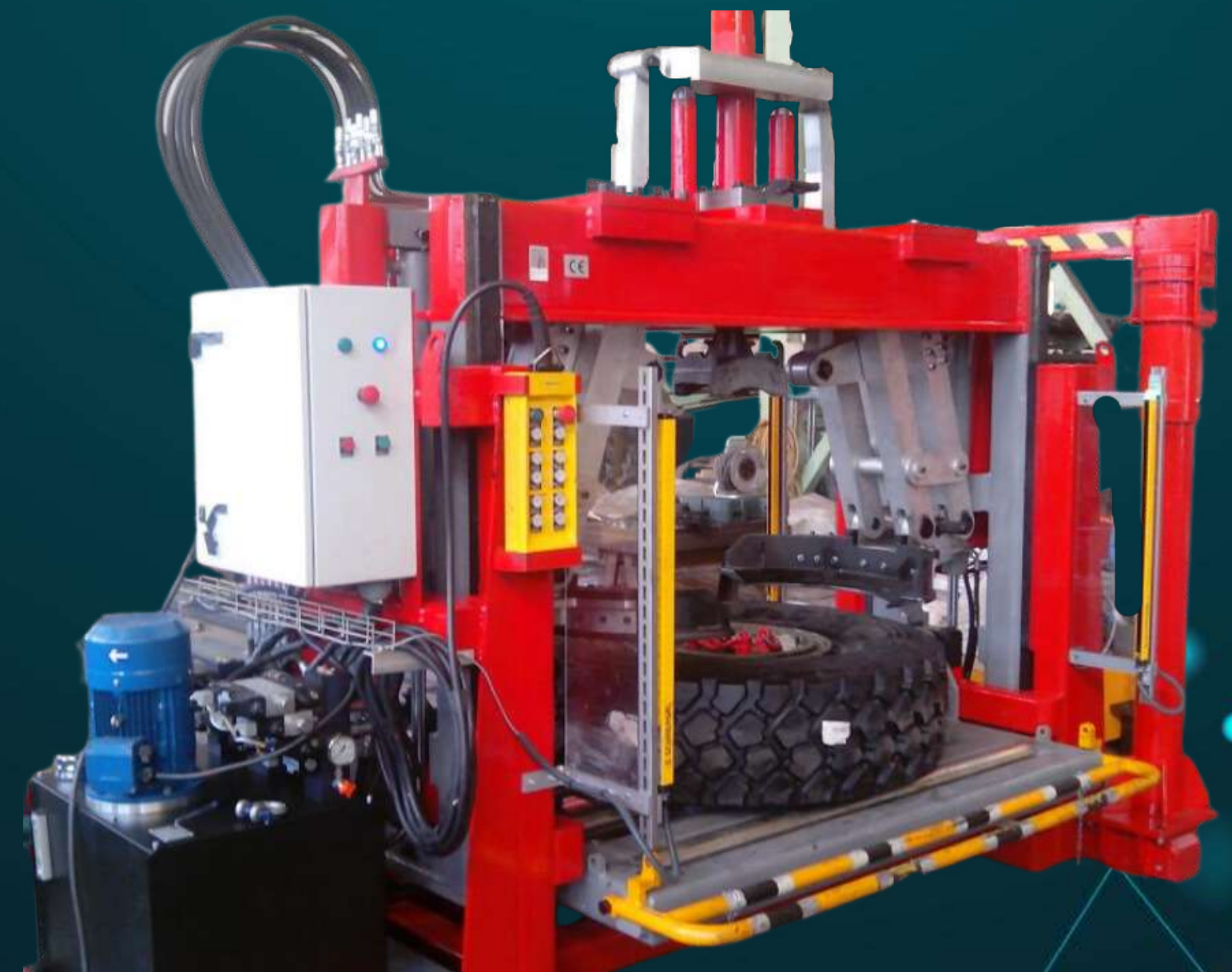


➤ Shelter Container ISO 20 ft System



Descaler

- Rim shimming and toroid handling machine for armoured vehicle wheels.
 - A single unit allows the removal and fitting of the rim, tyre and runflat.



Test benches

- Hydraulic engine test bench
 - Designed for testing hydraulic power pumps for the aircraft industry.



Air conditioning

- Design, manufacture of equipment and customised solutions
- Inspections by qualified technicians
- Non-destructive testing (N.D.T.), load calculation, certifications
- Adaptation of equipment to current legislation and standards



Great knife from Albacete

- Design, manufacture and assembly of an impressive knife
- Work carried out by the Air Force Defence Unit.



Drone Defence System (anti-drone)

- Countermeasures: user interference between the drone and its controller and additional GPS navigation capability of the aircraft and option of flight in Atti or fully manual mode. Controlled and vertical descent of the drone or return to starting point.

DETECTION

Recognition of the unique properties of all common types of drones either by moving objects by radar, intercepting radio frequency transmissions, acoustic listening or visual recognition by optical cameras.

ANALYSIS

Comparing information recorded in the database and signatures. If there is a match, an alert is issued and the drone information is recorded.

IDENTIFICATION

Overlapping sensor technologies to detect in a single area, increasing accuracy and decreasing false alarms. In addition to thermal and optical cameras for visual confirmation of drone presence.



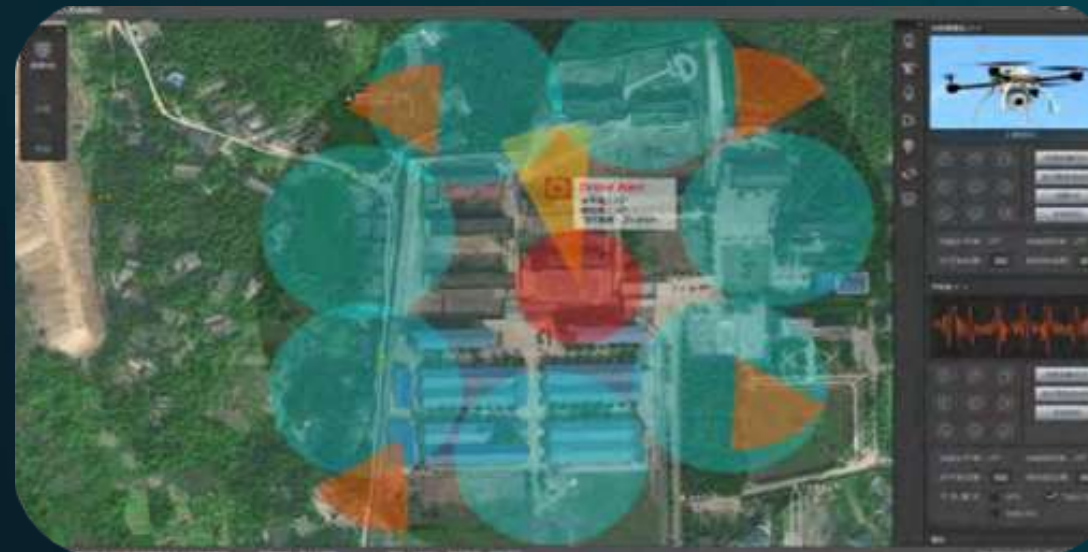
ANTI DRONES

Drone Defence System (anti-drone)

Kentaurus Precision Box



Kentaurus EyE & Dzone



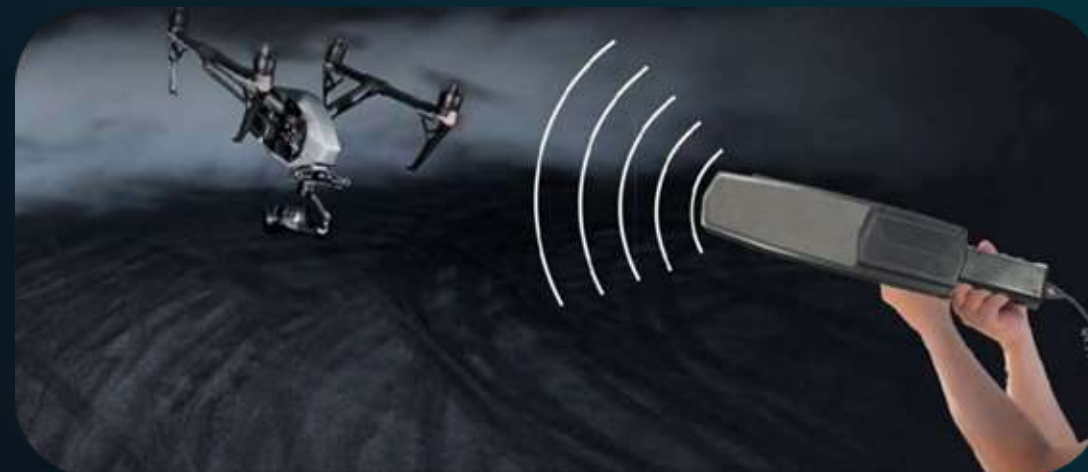
Kentaurus Mobile Box



Kentaurus Armor Total Box



Kentaurus G1V2





THANKS



info@ite-es.com



Calle Pitágoras, 7
28906, Getafe, Madrid



+34 914 916 505