



LAUAK

Long-haul partner for leading aerospace companies



A FEW WORDS FROM THE BOARD

Despite a complex period linked to recruitment difficulties and significant inflation, LAUAK group demonstrates resilience.

2023 is the year of recovered performance, both operational and financial.

In order to do so, we conduct an ambitious multi-year plan on several workstreams:

- Implement an operational excellence system that enables us to support ramp-ups and become a high-performing supplier, on time and on quality.
- Restore our financial performance to carry on investment, maintain our independence and assert our position as a sector consolidator.
- Establish a culture of empowerment and build our appeal to recruit, grow and hold talents.
- Gain competitiveness by deploying a digital transformation plan and an international industrial strategy mainly thanks to our plants in India and Mexico.
- Offer a differentiating offer by proposing the state-of-the-art technical expertise on our niche activities.

Aware of our strengths and our improvement axes, we approach the future with ambition and optimism.

We know that we can count on qualified and passionate employees as well as on our trusted customers to open a new period of development and growth.

« The flexibility of a company, the strength of a group »

KEY FIGURES

210

MILLION
\$ turnover
in 2023

1700

EMPLOYEES

10

PLANTS

OUR PARTNERS

AERnova

AIRBUS
GROUP

BOMBARDIER

Collins
Aerospace

DAHER

DASSAULT
AVIATION

EMBRAER

HUTCHINSON®

IAI

LATÉCOÈRE

LIEBHERR

MITSUBISHI
HEAVY INDUSTRIES, LTD.

SAFRAN

SPIRIT
AEROSYSTEMS

OUR VALUES

HUMILITY
AGILITY
ETHICS
COMMITMENT

CERTIFICATIONS & AWARDS

EASA
European Union Aviation Safety Agency
Part 21G
Part 145

ISO 9001
AS 9100
BUREAU VERITAS
Certification

ISO 14001
ISO 50001
DEKRA

Nadcap™
Administered by PRI
Nondestructive Testing
Chemical processing
Heat Treating
TIG welding

AIRBUS
D2P
Supplier
Award 2023



SHEET METAL - p.4



HOT FORMING - p.8



MACHINING - p.12



TUBES AND PIPES - p.16



MECHANICAL-WELDED - p.20



STRUCTURAL ASSEMBLY - p.24

SHEET METAL



MEANS

- 2-axes laser punching and trimming machines
- 5-axes lasers trimming machines
- Folding/Rolling machines
- Sandblaster/Shot peening machines
- Hand forming traditional equipments
- Heat-treatment furnaces of aluminum
- Double and triple-action stamping presses
- Rubber presses 200 bars
- High-pressure fluid cell presses 800 bars
- TIG, MIG, Laser, Seams, Spot welding stations
- Automatized digital and analog radiography cabins
- Penetrant testing lines
- Surface treatment lines (TSA, CAA, Passivation, CCC, Pickling, Degreasing)
- Paint cabins



PROCESSES

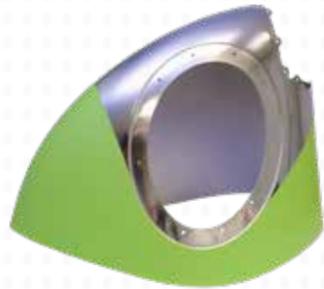
- Laser and Machining Trimming/Punching
- Aluminum Heat treatment
- Stamping/Pressing/Folding/Rolling
- Cold forming
- Hand, Automatized and Orbital welding
- Non-destructive testing (X-ray, dye penetrant inspection)
- Surface treatment and painting
- Sub-assembling/Fastener installations



SHEET METAL



PRODUCTS



TAIL CONE
PRAETOR - EMBRAER



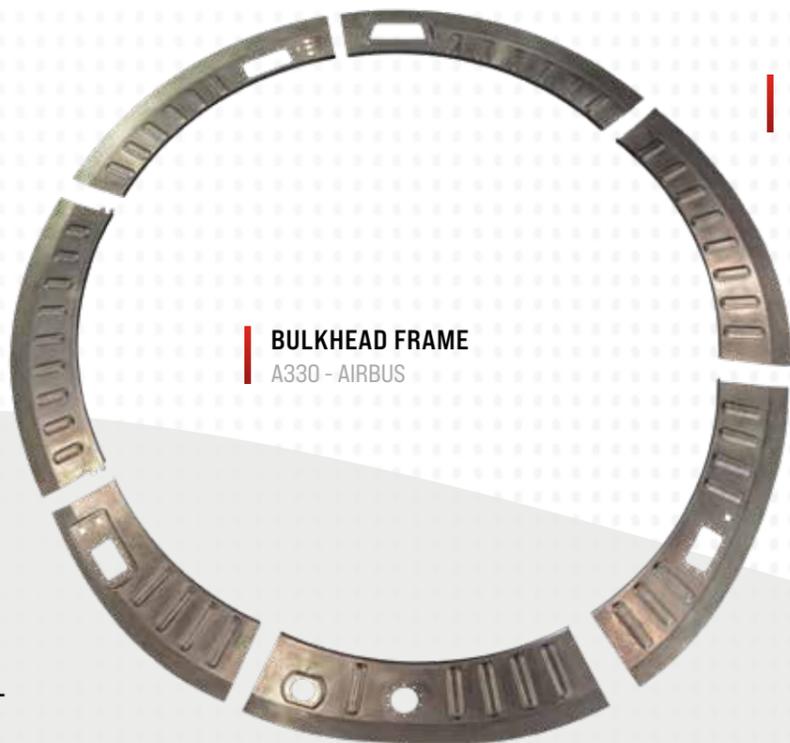
FIXED SLAT
F6X - DASSAULT AVIATION



**MAIN CONTROL PANEL
CENTRAL PEDESTAL**
A350 - HUTCHINSON



BATTERY SUPPORT
A320 - AIRBUS ATLANTIC

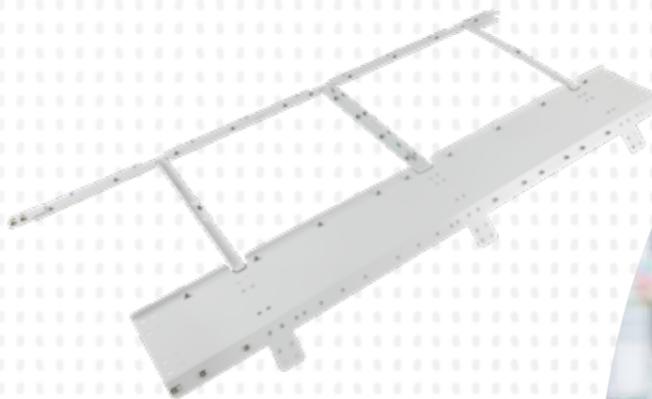


BULKHEAD FRAME
A330 - AIRBUS

BLEED AIR SHROUD
A350 - AIRBUS



EQUIPED BRACKET
LEAP 1B - SAFRAN
AIRCRAFT ENGINES



CARGO LINING
A350 - AIRBUS
AEROSTRUCTURES GMBH



HOT FORMING



MEANS

- 2-axes and 5-axes lasers trimming machine
- 3 presses capable for HF* and SPF**
- Tool preheating oven
- Counterskin cobots



HF (Hot Forming)*

Deformation by punch/die tooling
allowing elongations up to 50%



PROCESS

- Laser trimming
- Hot Forming*
- Superplastic Forming**
 - From 650° to 940°
 - Up to 800 tons max press capacity
 - Up to 1800 x 1500 max platen capacity
- Sub-assembling/Fastener installations



SPF (Superplastic Forming)**

Deformation by dies and stamping
by gas punch (Argon inert gas)
allowing elongations up to 500%



PRODUCTS



EXHAUST DUCT PRECOOLER
G280 - IAI



LOWER CORNER
A320 - AIRBUS



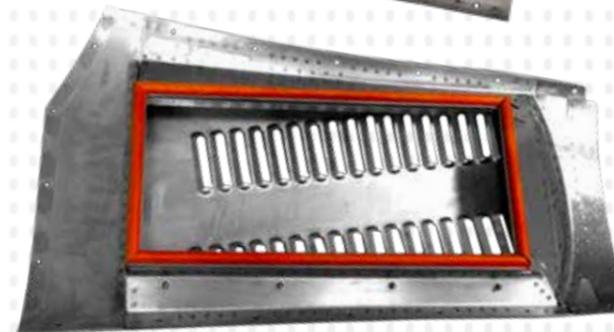
UPPER CORNER
A320 - AIRBUS



WASTE WATER SERVICE PANNEL
A350 - AIRBUS



HEAT EXCHANGER COVER
A320 - AIRBUS



SKIN UPPER ASSY
A320 - AIRBUS

FAIRING OIL SUMP BEARING 3
M88 - SAFRAN AIRCRAFT ENGINES



MACHINING



MEANS

- 40 machining centers from 3 to 5 axes small and large dimensions (up to 4m)
- Combined Lathe-Milling centers (horizontal and vertical, 5-axes)
- Milling centers with automatized Pallet-Changing
- Shot peening machines
- Three-dimensional measuring machines
- Scan box
- Penetrant testing lines
- Surface treatment and Painting lines



PROCESSES

- Turning
- Milling
- Prestressing shot peening
- Dimension measurement and scanning
- Non-destructive testing (dye penetrant inspection)
- Bearing installation
- Assembly
- Surface treatment and painting



PRODUCTS



RIB 5
E2 170/190 - EMBRAER



RIBS 8 ET 9
A350 - AIRBUS



COMPRESSOR VEIN
AW189 - SAFRAN POWER UNITS



RETENTION TURBINE
AW189 - SAFRAN POWER UNITS



SPAR 1
KC390 - EMBRAER



FITTING ACTUATOR
KC390 - EMBRAER



AFT CLOSE OUT FITTING
BOEING 737 - SPIRIT



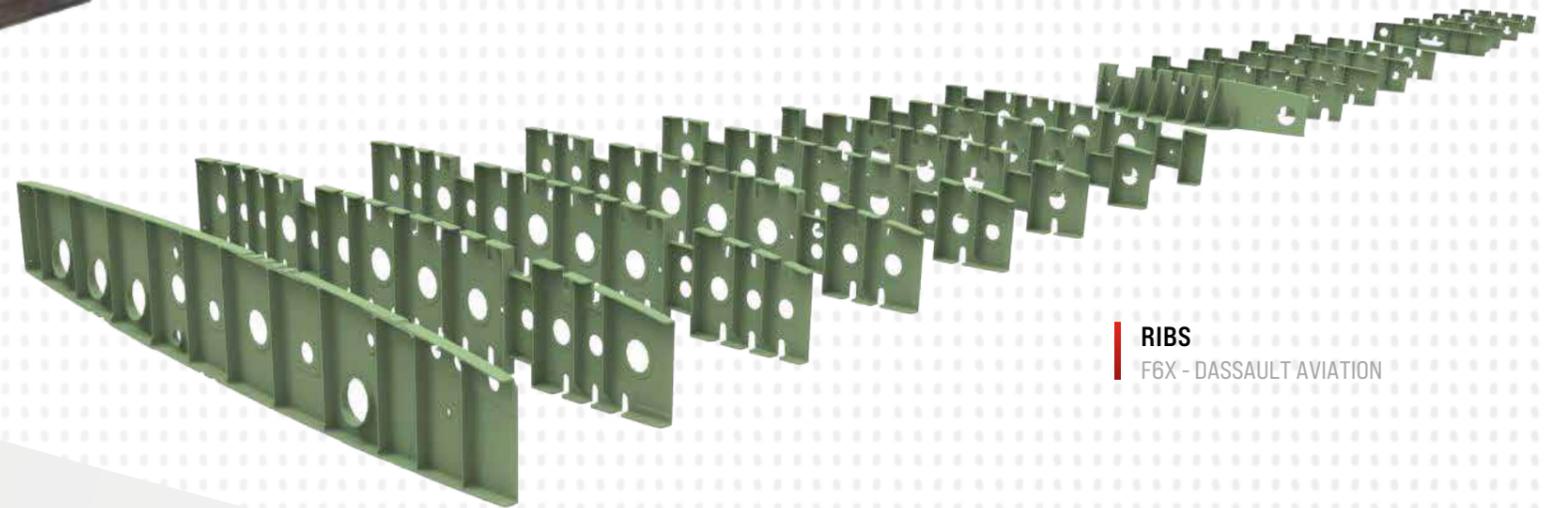
FORGING FRAME
F2000 - DASSAULT AVIATION



TRACK 1
F8X - DASSAULT AVIATION

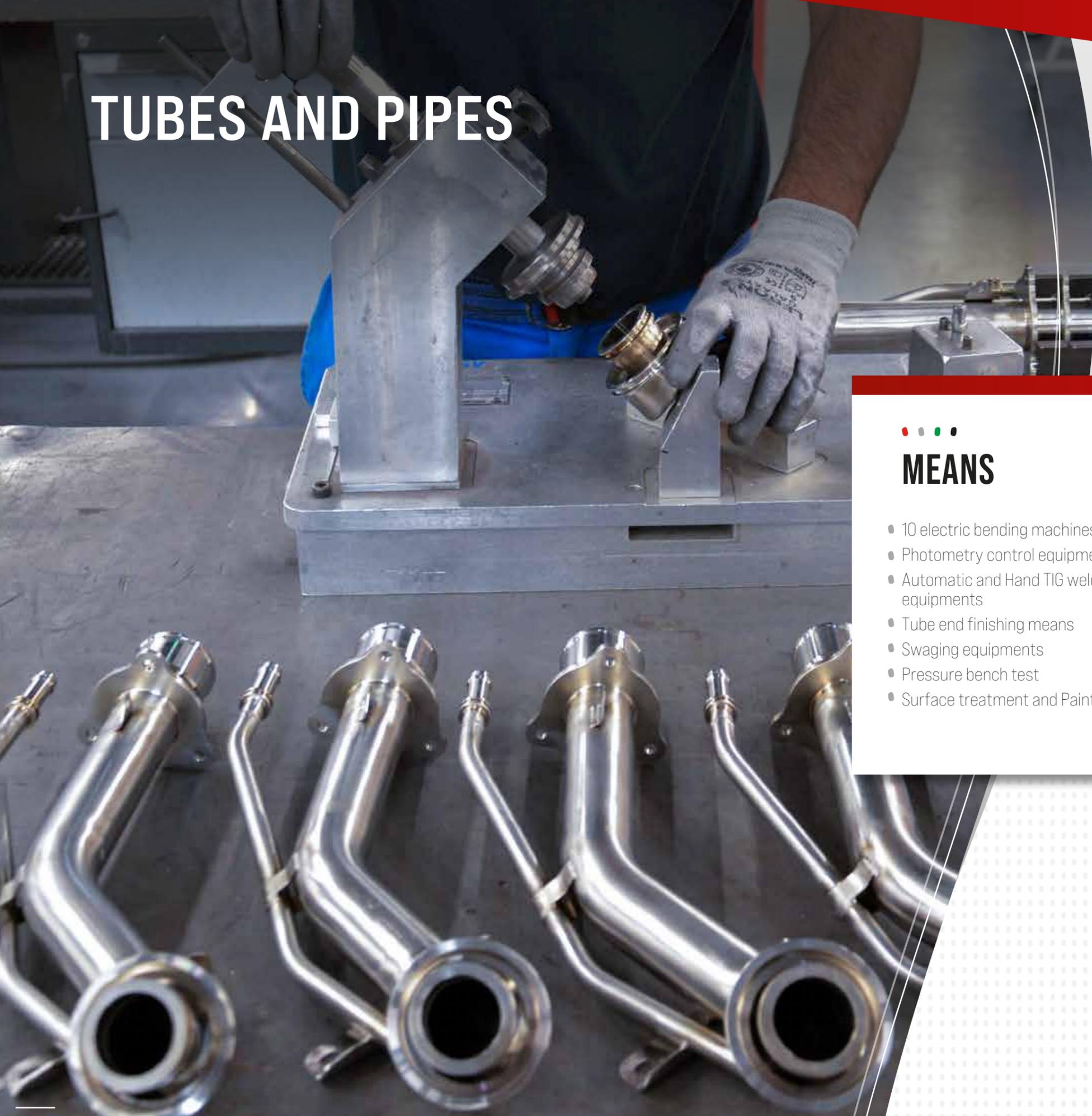


TRACK 1
F8X - DASSAULT AVIATION



RIBS
F6X - DASSAULT AVIATION

TUBES AND PIPES



MEANS

- 10 electric bending machines
- Photometry control equipment
- Automatic and Hand TIG welding equipments
- Tube end finishing means
- Swaging equipments
- Pressure bench test
- Surface treatment and Painting lines



PROCESSES

- Tube bending
- Welding
- Ducts crimping (Wiggins, Permaswage, Harrison, Deutsch)
- Non-destructive testing (dye penetrant inspection)
- Surface treatment and painting



PRODUCTS

Fluids : Engine air, fuel, hydraulic, fire extinguisher, oxygen



ASSEMBLED DIFFUSER
A320 - AIRBUS



WIRING TELESCOPE ASSY
GLOBAL 7500/8500 - BOMBARDIER



TUBE ASSY FUEL DEFUEL REFUEL
GLOBAL 7500 - BOMBARDIER



NACA INLET ASSY FUEL
CRJ 700-900 - BOMBARDIER



NAI
A350 - AIRBUS



TUBE ASSY WELDED FUEL SYSTEM
CRJ 700-900 - BOMBARDIER



EXTINGUISHER PIPES ASSEMBLY
A350 - AIRBUS ATLANTIC



FUEL PIPE
A380 - AIRBUS ATLANTIC



ASSY TUBE WELDING FUEL SYSTEM
CHALLENGER 300 - BOMBARDIER



DOUBLE PIPING
A320 - AIRBUS



MAST ASSY SYSTEM DRAIN
GLOBAL 7500/8500 - BOMBARDIER

TUBE ASSY RE/DEFUEL CENTER WING
CHALLENGER 300 - MITSUBISHI HEAVY INDUSTRIES (MHI)



TANK AND FUEL EJECTION SYSTEM
CHALLENGER 350 - BOMBARDIER



ASSY FLANGE TUBE FUEL SYSTEM
CHALLENGER 350 - BOMBARDIER

MECHANICAL-WELDED

LAUAK



MEANS

- 2-axes laser, machining, punching and trimming machines
- 5-axes laser, machining trimming machines
- Double and Triple-action stamping presses
- TIG, MIG, Laser, Seam, Spot welding stations
- Combined Lathe-Milling centers (horizontal and vertical, 5-axes)
- Milling centers 5-axes
- Automatized digital and analog radiography cabins
- Penetrant testing lines
- Surface treatment lines
- Paint cabins
- Welding training center, managed by Lauak experts certified « International Welder Engineer and Inspector »



PROCESS

- Laser trimming and drilling
- Heat treatment
- Cold Forming
- Hand, automatized, orbital welding Machining
- Non-Destructive Testing (X-ray, dye penetrant inspection)
- Dimension measurement
- Surface treatment and painting
- Sub-assembling/Fastener installations
- Quality training certification



MECHANICAL-WELDED



PRODUCTS



FT DISTRIBUTOR
ARRIEL - SAFRAN HELICOPTER ENGINES



EXHAUST
ARDIDEN 3 - SAFRAN HELICOPTER ENGINES



STATIC SEAL
LEAP 1B - SAFRAN AIRCRAFT ENGINES



CLASSE 1
ENGINE MOUNT
ATR42/72 - AIRBUS ATLANTIC



HOUSING SEAL
LEAP 1B - SAFRAN AIRCRAFT ENGINES



EXHAUST HOUSING
G7500 - SAFRAN POWER UNITS



OUTLET DIFFUSER
MAKILA 1 - SAFRAN HELICOPTER ENGINES



FIRST STAGE NGV
MAKILA 1 - SAFRAN HELICOPTER ENGINES



EXHAUST
F6X - SAFRAN POWER UNITS



EXHAUST LINER
G7500 - SAFRAN POWER UNITS



HEATER



CONDENSER



PRIMARY



AIR CONDITIONING PACK
A320 - LIEBHERR AEROSPACE



PRINCIPAL

STRUCTURAL ASSEMBLY



MEANS

- Assembly equipment for rivet, screw and weld
- Waterproofness test benches (Garosolve and Helium)
- Painting line
- 75.000 sq fts assembly aera



PROCESS

- Tools and jigs manufacturing engineering
- Assembly/Riveting
- FOD prevention process (Foreign Object Damage)
- Waterproofness inspection
- Painting



STRUCTURAL ASSEMBLY

PRODUCTS



FUEL TANK
G280 - IAI



WING
TBM 850 - DAHER



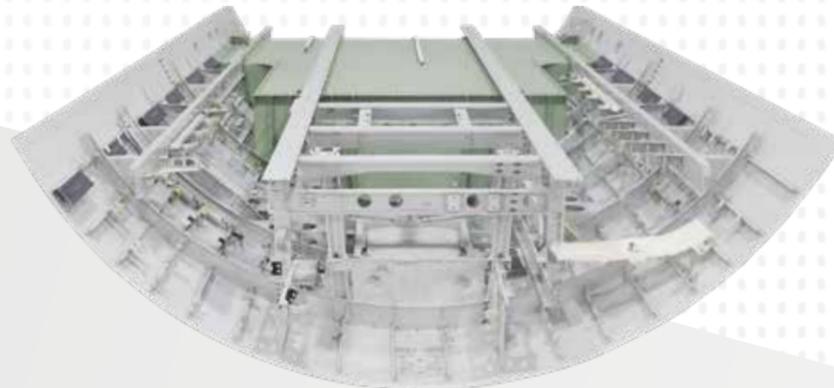
CENTRAL SECTION
ECUREUIL - DAHER



SUBSTRUCTURE AND FUEL TANK T34
F6X - DASSAULT AVIATION



SPONSON
A400M - DAHER



SUBSTRUCTURE AND FRONT TANK
F8X - DASSAULT AVIATION



SECTION T3
F2000 - DASSAULT AVIATION



TAILPLATE
SUPER PUMA - AIRBUS HELICOPTERS





OUR FACILITIES



2245 route de Minhotz
64240 HASPARREN
FRANCE



Zone artisanale des Pignadas
64240 HASPARREN
FRANCE



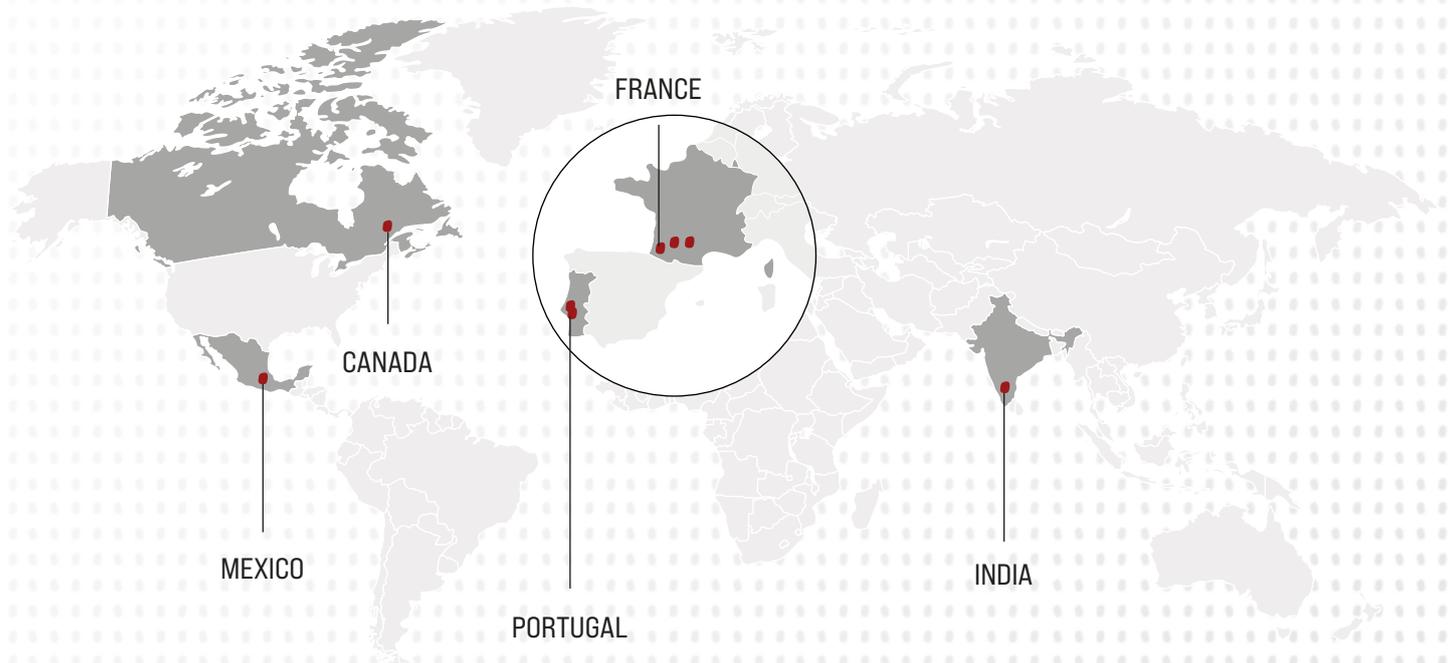
Route de Cambo
64240 HASPARREN
FRANCE



ZA Monts et vallées de l'Adour
32400 SAINT-GERMÉ
FRANCE



Pôle Rudelle
32600 L'ISLE JOURDAIN
FRANCE



Avenida Industrial #50
EL MARQUES QUERETARO
MEXICO



10 200 Rue Irénée Vachon
J7N 3C5 MIRABEL
CANADA



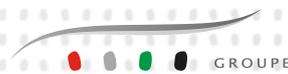
Parque empresarial da
Península de Setúbal
29-845 SETUBAL
PORTUGAL



Rua 22 de Junho
7570-204 GRANDOLA
PORTUGAL



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Industrial BANGALORE -
KARNATAKA - INDIA



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