

Secretariat of Sustainable Development
State of Querétaro

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QUERÉTARO'S

AEROSPACE CAPABILITIES





Message from the Aerocluster President:

Ten years ago, who would have dared to dream about an aerospace Cluster in Queretaro? Today we have the most dynamic Aeronautical Cluster in México with an international recognition, built on four very strong pillars.

The companies are the first pillar of this strong reality that forms the Aerospace Capabilities in Queretaro, specialized in seven focal areas: Manufacturing, MRO, R&D, Academy, Design and Engineering, Special Processes and Services.

The education, our second pillar, led by UNAQ (Universidad Aeronáutica de Querétaro) being the only Aerospace University in México, CEDIA (Development Center for the Aerospace Industry), CONALEP with its training for young technicians with DGAC licence, UNAM

oriented towards space research, the recently opened Franco-Mexican Aeronautic campus, etc. are some of the achievements for the past eight years. Today in Queretaro, all Engineering and Technician education programs are progressively aligning with demanding and structured requirements of the industry.

In such an innovative sector as the aerospace industry, research centers are at the same time leaders and key are at the same time leaders and key major research centers like: CIDESI, CIDE-TEQ, CINVESTAV, CIATEQ, CFATA, CENAM they support and seek how to help more the sector.

The fourth pillar of the sector is made of Government institutions, both State and Federal: they design, share

and promote the vision for the development of high technologies in Queretaro.

They dedicate time, energy and funds to support this collective project. The highest recognitions to the Governor of Queretaro and his team to believe in the Queretaro's aerospace project and to support with rigor what can be a sector that generated jobs and future.

Our four pillars could not be sustained without a solid foundation. It is built by women and men who are participating day after day to this vision and who are making it a reality and a future for Queretaro and Mexico. Thanks to all who are supporting our pillars that rise towards the sky.

Sky is the roof over our heads where some objects made by human minds and hands give life to the dream of Icarus.

Claude Gobenceaux
AeroCluster de Querétaro
A.C. President



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QUERÉTARO

A RELIABLE STATE TO INVEST



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO

↗ Geographic Location



State population	2.0 M
Economically active population	800k
State average age	26 yrs.
Population growth in the state	1.5%
Population growth in metropolitan area	2.0%
National unemployment rate	4.2%
State unemployment rate	4.6%

↗ More than 45 million inhabitants within a 350 km radius

Area	11,688 km ²
Municipalities	18
Altitude	1820 masl
Weather	10 °C to 27 °C

➤ Foreign Direct Investment

	Industries	Participation (%)
United States	590	38.6
Spain	171	11.2
Germany	145	9.5
Canada	83	5.4
France	67	4.4
Italy	58	3.8
South Korea	54	3.5
Netherlands	52	3.4
Japan	46	3.0
Colombia	22	1.4
Others	240	15.7
Total:	1,528	

➤ Infrastructure

➤ International airport

- Cargo and passenger flights. Domestic and international flights.

Interior custom house

- Multimodal Terminal.
- Fiscal Enclosure.

➤ Highways

- NAFTA Highway (57 Highway).
- 3,246 km of highways.
- Logistic and transportation availability.

➤ Railroads

- 512.2 km of rail lines.
- 2 main railroad companies (Kansas City Southern México & Ferromex)

➤ Industrial parks

- 26 Industrial parks:
- 2 Aerospace Industrial Parks.
- 2 Technological Parks.

➤ National and international flights



➤ Competitiveness indicators: international

**STANDARD
& POOR'S**

mxAA

First state in the country to obtain an investment grade rating.

Solid economic base that continues to attract FDI.

Economy with a high level of diversification

FitchRatings

AA

Efficient implementation of current expenditure resulting in a high and consistent generation of domestic savings (free flow of resources for investment and / or debt service).

Healthy balance sheets and very strong cash position.

Moody's Investors Service
Global Credit Research

Aa1.mx

Investment level higher than most municipalities in Mexico.

Growing economic strength as a center of production, trade and services.



3rd State with highest FDI growth between 2011-2012.

7th Metropolitan Area with highest economic potential in Latin America.

➤ To consider

Strategic location

Wide supply chain

Business and industrial environment

Skilled labor force

Reliable state

Qualified students/graduates

Superior education institutions
education network

Available economic active population

Quality of life

Personal and legal security



**MANUFACTURING
COMPANIES**



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO

Av. Benito Juárez 109
Parque Industrial
Querétaro. Carr. Qro. - SLP
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AERNNOVA is a Global Aeronautical Company that designs and manufactures large aircraft structures and components through the application of its own technology in the conceptual design, detailed design, testing, certification, manufacture and assembly of strategic components into sets or integrated modules for aircraft manufacturers, covering from Conceptual Design to Product Support.

Products / Processes

Processes: Drilling, Countersink, Riveting, Painting and Installation of Systems.

Products: CRJ Vertical Stabilizer, CRJ Horizontal Stabilizer, ATT Sikorsky, King Air wings (3 models), Pistons wings (3 models), Bell Helicopter fuselage prototypes.



Equipment

We mainly carry out manual operations, however we have the following general equipments:

- Drilling guns
- Torque Guns
- Riveters
- Countersink guns
- Erco riveters
- Neumatic Pressure testers
- Hydraulic Pressure testers
- Late
- Spacematic (drilling machine)
- Painting cabin
- Sealant cabin
- Cranes (3)

International presence

USA, Mexico, Brazil, Spain, Romania and India.

Main customers

Bombardier, Beechcraft, Bell Helicopter and Sikorsky.

Quality certification

NADCAP Chemical Processing, EN-9100, AESA PART 21 SUBPART G, Bombardier, Sikorsky and Beechcraft Approval.

Key capabilities

22,000 mt² Total Area
14,000 mt² Productive Area
Assembly of aeronautic fuselage



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www.aernnova.com

- Aerometallic - Queretaro Mexico, a Global Tier II Supplier, has experience and capabilities in manufacturing metallic parts to support companies in the Americas (NAFTA).

- Organized as a specific division, Aerometallic produces medium and small machined parts, sheet metal parts and sub-assemblies along with surface treatments.

Products/Processes

Aernnova Componentes México S.A. de C.V f is part of the group AERNNOVA in its Aerometallic division; which has extensive experience and capabilities in manufacturing metal components, specifically in the areas of sheet metal and machining.

Aerometallic operates six manufacturing facilities (AYA in Toledo, Gmapsa in Vitoria, Intecair in Cadiz, and NMFE Aeromac Tarazona and ACM in Querétaro (Mexico).

ACM Aluminum manufacturing under three main processes:

Machined parts

- Manufacture of machined components: up to 3.010 m long
- Manufacture of small and medium machining components up to 10 mm long

Surface treatments

- Flourescent penetrant inspection
- Chromic anodizing
- Chromic anodizing with sealant
- Boric-sulphuric anodizing
- Chemical conversion
- Painting
- Shot Peening & cleaning
- Up to 1.40 m to 1.70 m long cleaning to process

Sheet metal parts

Forming through out technologies:

- Hydroforming of up to 2 m X 0.60 m
- Vertical press up to 1 m
- Roll press up to 1 m x 1 m
- Bending up to 4 m

- CNC for sheet metal cut up to 3,650 m
- Joggles through eccentric press
- Manual forming
- Heat Treatment
- Solution up to 88 m³
- Artificial aging from 1,39 m³ and 2,65 m³.

Main customers

Aernnova, Aernnova, Aerospace Mexico, Aernnova do Brasil , Bell, Bombardier, Beechcraft. Triumph-Vought

Quality certification

EN9100:2008

Key capabilities

- Fasteners
- Bearings and Anaerobic Bearings
- Clips
- Bushings
- Inserts

Equipment

- Metal components
- Router (3.6 x 2.0 m)
- Roller Press (1.5 m)
- Hydraulic Press (1,000 ton)
- Rubber Hydro Press (2.8 x 0.8 x 0.12 m)
- Crimpers brake forming (2.0, 3.0, and 4.0 m)
- Sheet Metal Shear (2.0 and 4.0 m)
- Support Machines: Embedders, Profile

- Pledgers, Drills, etc.
- Eccentric Press (Shape profile for joggles)
- Heat Treatment Oven (2.0 x 1.8 x 1.2m) Glycol and Water
- Freezers (-30° Celsius) (5.9 x 3.8 x 4.1m)

Machined components

- 28 CNC Machining Centers 3 axis - 6 units / 4 axis - 16 units / 5 axis - 6 units (high speed)
- Dimensional capabilities: Small / Medium size parts (2.5 x 1.0 m).

International presence

Noth, center and south America & Europe.





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The manufacturer of wires, cables and harnesses for advanced technologies, offers complete interconnect solutions to a wide range of applications: general industry, consumer, automotive, aeronautics, space, military, telecommunications, medical, research centres and oil industry

Products / Processes

Design and assembly of customized cable harnesses for innovative and high-tech industries such as aeronautic, military, space, medical, automotive, energy, nuclear, oil exploration and electronics. Design and manufacture of flat and round cable for the same industries. Design and assembly of military type Micro-D connectors for space, medical and military applications.



Main customers

Schlumberger, Kostal, Valeo, MOLEX, Thales, Schneider, Airbus, Safran

Quality certification

AS9100 Rev C, TS16949, ISO9001, ISO14000

Key capabilities

Soldering process certified according to IPC standards.

Equipment

Solder stations, cable cutting and stripping machines, assembly lines for flat cable

International presence

Manufacturing sites in France, Latvia, Hungary, the UK, China, India, the US and Mexico. Sales offices in Germany, Spain, Japan and Brazil.



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Bombardier Aerospace Mexico produces aircraft components as part of the supply chain of Bombardier Aerospace. Bombardier Aerospace is a world-leading manufacturer of innovative transportation solution, from commercial aircraft and business jets to rail transportation equipment, systems and services, Bombardier Inc. is a global corporation headquartered in Canada.

Bombardier is listed as an index component to the Dow Jones Sustainability World and North America indexes.

About Bombardier Bombardier is the world's only manufacturer of both planes and trains. Looking far ahead while delivering today, Bombardier is evolving mobility worldwide by answering the call for more efficient, sustainable and enjoyable transportation everywhere. Our vehicles, services and, most of all, our employees are what make us a global leader in transportation.

Products / Processes

Electrical assemblies and harnesses
Structural components
Composite components

Quality certification

ISO 14001
OHSAS 18001
AS 9100



Equipment

Fabricated metal parts (aluminum, steel, titanium), electrical components, electrical wire, hardware, carbon fiber.

International presence

Bombardier is headquartered in Montréal, Canada. Our shares are traded on the Toronto Stock Exchange (BBD) and we are listed on the Dow Jones Sustainability World and North America Indexes. In the fiscal year ended December 31, 2013, we posted revenues of \$18.2 billion. News and information are available at bombardier.com



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Dishon Queretaro Mexico manufactures complex high precision component parts and assemblies. We are AS 9100 compliant and will have our certification in the coming year. Our parent company has 30+ years of experience manufacturing and is a full service component part and assembly manufacturer. We opened in 2014 in 20,000 sq ft with 3 machines and will be adding machines to support the projects we win.

Products / Processes

We manufacture to print complex component parts for the aerospace industry

Main customers

UTC Aerospace Systems
 Eaton
 Mecair
 Heroux Devtek



Quality certifications

AS 9100 Compliant (June 2015 Registration)

Key capabilities

Complex precision machining
 4 & 5 Axis machining
 experience with hard metals



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Headquarter in Charlotte NC, Curtiss-Wright Controls is the Motion Control center segment of Curtiss-Wright Corporation and a leading designer and manufacturer of advanced technologies for niche actuation and drive applications, integrated sensors and electronic subsystems internationally for the aerospace and defense markets.

We produce premier technology-based electronic and mechanical subsystems and components for rugged aerospace, defense and highly specialized industrial applications. With manufacturing facilities around the world, Curtiss-Wright Controls is a leading provider of cost-effective and innovative technology-based solutions.

Products / Processes

In Querétaro's facility Curtiss-Wright produces: Flight/motion control actuators, through multi-phase operation beginning with manufacturing aerospace

components transitioning into a final assembly and testing of flight control components and assemblies



Key capabilities

CNC machining and complex assembly and test of aerospace actuation transmissions and related components and assemblies.

Quality certification

AS9100, AS14001, D-9000, FAA PMA

International presence

America, Europa, Asia.



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Elimco Group and Prettl Group created a joint-venture denominated "ELIMCO-PRETTL Aerospace" with headquarters in Queretaro City in Mexico, which concept and destiny is to become a world wide aerospace wire harnesses manufacturer.

ELIMCO contributes to this joint-venture providing all its knowledge of the aeronautical sector, the "Know-How" of the aerospace harness product, the aerospace certification, experience in important aerospace programs and the commercial relations with the aerospace clients. From now on, it will operate this product (aerospace harness) through this JV.

PRETTL contributes with its vast experience in management and local operation in Mexico, where it has three locations (with more than 15 years operating in Queretaro), its wide installations in Queretaro), its extensive international establishment (33 locations in more than 20 countries to the service of the JV) its logistical expertise and its financial strength.

Products/Processes

Electrical Wire Harnesses Design & Manufacturing, Overbraiding Process, Automated Test Process, Tool Renting, Electrical Assemblies, Custom Equipments, Crimping Tools Calibration, Cut & Laser Marking



Main customers

EADS, Airbus Military, Airbus Civil, Eurocopter, FACC, Indraero, Alestis, ECA Sinters

Quality certification

BOMBARDIER
 Official Supplier nÂ° 130299

AIRBUS " A350 Program
 Official Supplier & Special process in progress.

AS 9100
 Quality management systems

PRODUCTION ORGANIZATION APPROVAL

Mexico government: Civil Aviation Agency

IMMEX CERTIFICATION
 Government certification in order to save taxes at customs

IPC-WHMA-A-620

Key capabilities

Electrical Wire Harnesses & Control Units Design, Manufacturing Experience: Defense & civil products

Dedicated engineering staff

Built to print

Built to spec

Design, Manufacture, Installation, Spare parts, Support at America, Europe, Asia & North Africa.

Equipment

Lasser print and cutting machine (LASELEC)

Overbraiding machine (SPIRAL-TEX)

Thermal transfer print (TYCO)

Automated electricaltest (SEFELEC)

International presence

Europe / North America / South America / Asia



ESPECIALISTAS EN TURBOPARTES S.A. DE C.V.

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Especialistas en Turbopartes has become the most important turbomachinery manufacturer in Mexico, being a strong player in development, manufacturing and maintenance of commercial compressor and steam turbines, and now day's aerospace components.

Our products lines are turbomachinery spare parts, complete assemble of centrifugal compressors and steam turbines and aeronautic parts all characterized to meet high quality standards and cover all technical requirements.

Products / Processes

Advance Manufacture on
aerospace components
(Landing Gear and engine)

Manufacture and overhaul of
Dynamic parts (turbines, rotors
and centrifugal compressors).
Material Capabilities on: Hard
Metals (Aluminum, Titanium,
Stainless Steel).

Welding MIG, TIG, SAW.
Inspection by FPI, MPI, UT.
AS9100:C



Main customers

Noranco Inc. PEMEX Refinación,
PEMEX Petroquímica, CFE
Comision Federal de Electricidad

Quality certification

AS9100:C, ISO9001:2008,
Certificado LAPEM.

Key capabilities

Milling 4 axis , X: 68", Y:27" &
Y:30"
Turning: Max Turning Diameter
30", max lenght between
centers 118", Z axis: 11"
Tolerances on +/- 0.0001"
Inspection Lab Contura Ziess
G2RDS (CMM).

Equipment

CNC Vertical milling Mazak (4
axis): Nexus 510C-II with high
pressure 1000psi
CNC Turning Mazak: Turn Smart
350-II, Turn Nexus 250 II
CNC Turning live tool Mazak:
550M Turn Nexus
CNC Grinding





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Sales and Customization
After Sales Services (Logistics +MRO in Mexico and Queretaro)
Engines Technician and Pilot Training Manufacturing

Eurocopter de México S.A. de C.V. is an EC group subsidiary, responsible for activities in Mexico, Central America, Caribbean & North of South America.

Starting on 2013, Eurocopter Mexico, Planta Queretaro produce and assemble metallic components for Eurocopter and Airbus.

Queretaro also host a maintenance, repair & overhaul workshop, specialized on the Ecureuil helicopter family. The associated heliport will enable the offer of new services to companies in the region around Querétaro.

Products / Processes

Fixed-wing aircraft, helicopters.
Eurocopter de México S.A. de C.V. is an EC group subsidiary, responsible for activities in Mexico, Central America, Caribbean & North of South America. Starting on 2013

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associated heliport will enable the offer of new services to companies in the region around Querétaro.

Main customers

Federal institutions, Government States, Off-shore, Utility and corporate customers

Quality certification

ISO 9001:2008, AS 9100, ISO 14001, NADCAP

Key capabilities

Raw materials, products and services required: Manufacturing Metallic, mainly aluminum parts: machining & assembly, cutting, drilling, heat treatment, flattening, forming, deburring, surface treatment, non-destructive test, painting

Equipment

CNC's, Hydraulic Press, Elastoforming Press, Painting Cabins, Ink Printers, Chemical Laboratory, Heat Treatment Ovens, Conventional and Non Conventional Turning Machines, Conventional and Non Conventional Milling Machines, Grinding Machines, Riveting Machines, Compression Riveters, Freezers, Drilling Machines, Band Saws, Guillotines, Turning Cranes, and Bending Machines.

International presence

Mexico, Caribbean, Central America, South America (Ecuador, Colombia, Venezuela).



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Products / Processes

High precision machining of aerospace parts, fixtures (assembly, transportacion, hot forming,...) and Engineering Services

Commercial Description

The structural and financial solidity of an historical group of companies in benefit of our customers and with the character that bring us to remain on the markets from 1841

Our offer of services settle on 3 basic pillars on which IMG bases his strategy:

- Client necessity
- The Quality as response
- The best relation of Formality/Cost of the market



Equipment

3-5 Axis Machining to 5 meters length. CNC Vertical Lathes, Welding, CMM Inspection

International presence

Bilbao (Spain), Sevilla (Spain), Paris (France), Queretaro (Mexico)

Main customers

AIRBUS, ALESTIS, AERNNOVA, INESPASA, ITP, LATECOERE, LAUAK

Quality certification

EN9100

Key capabilities

Specialized in design and manufacturing of curing tools for composites and their related post curing, cutting, drilling, assembly, hot forming, capping, checking.

In the same way we support an important activity in the design and manufacturing of aerospace components, tools for structural sheet pieces, forming, stretching, cutting, welding, assembly and checking



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Global Composites Manufacturing is a specialized supplier of advanced carbon fiber components with the RTM process, which involves, design, development, Engineering, prototypes, tooling, production of components, and technical support. The Company was incubated as a High Tech Company at ITESM University Campus Querétaro and now is working in cooperation with Universities (UNAQ y ITESM) and Research Centers (CINVESTAV y CIDESI) in R&D High Tech Projects of processes and materials.

Products/Processes

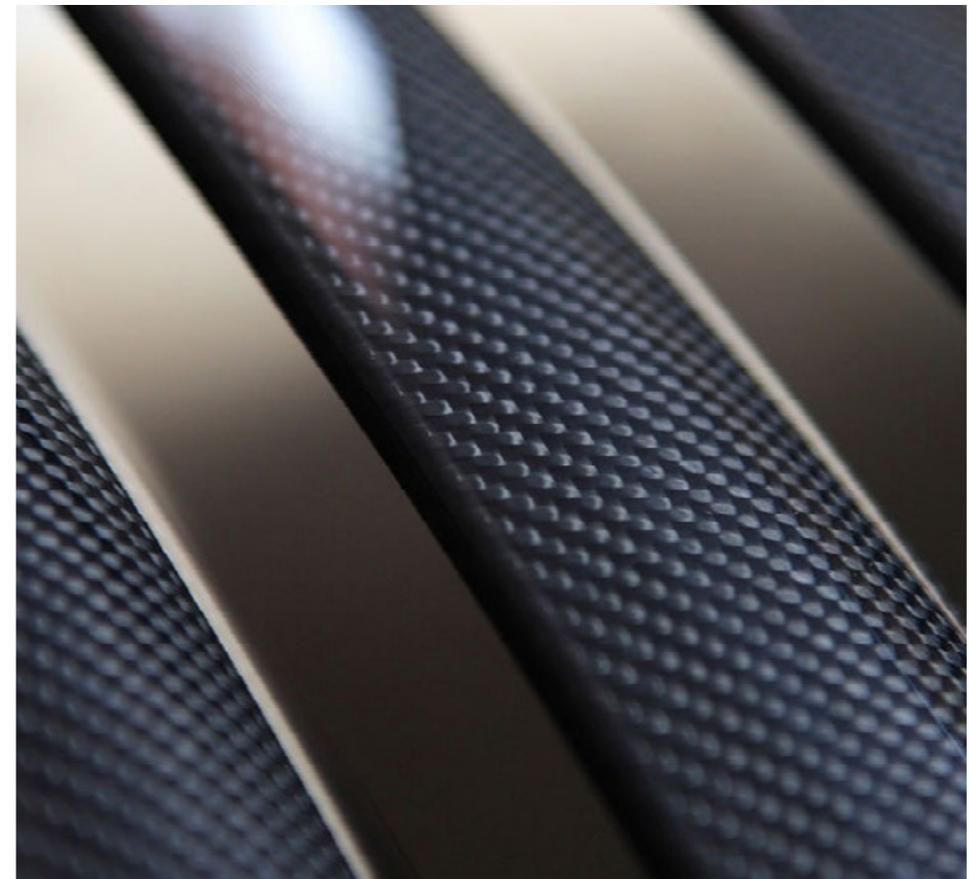
Carbon fiber components.

Quality certification

AS 9100 (In process)

Equipment

RTM Machines and Vacuum Station. Spray Up Machines.





Acceso IV 6 ZI
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Aeronautical Rigid Tube Manufacturer, devoted to high volume production (we are producing currently over 200,000 tubes per year), for tubes made out of the main metallic materials used in aerospace and under 1.5 inches in diameter, and using most of the joining/assembly technologies and special processes required for these elements in the aerospace industry. On top of our customers approvals, we are ISO/AS and NADCAP certified for all our processes and we are now starting to integrate fitting manufacture as part of our operations. We comply with ITAR regulations and we are producing parts under military export license contracts.

Products / Processes

- Conexions / Welded unions by:
- Manual TIG and Orbital Welding.
- Torch Brazing with silver metal filler
- Furnace Brazing with nickel metal filler.
- Aluminum and stainless steel Flare.
- Swage in stainless steel.
- Induction Brazing.
- Stainless Steel 300 series
- Inconel 625 and 718
- Titanium 6A13V
- Aluminum



Main customers

Rolls Royce, Airbus, Honeywell, UTC, ITP externals, MTU.

International presence

Spain, UK (ITP), USA, Malta (Aeromaritime)

Quality certification

ISO 9001:2008, UNE-EN 9100:2010 (AS9100C), UNE-EN 14001:2004 (ISO 14001:2004) y OHSAS 18001:2007, Clean Industry Certified.

Equipment

2 cutting machines, 2 bending machines, 2 CNC machines to validate routing, 1 Swaging machine, 3 Orbital Welding Machines.



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HYRSA is a company with over 50 years of experience in machining processes whose principal goal is to develop products that meet every requirement from the clients. The company is constantly seeking for new business opportunities. In 2008 HYRSA joined the aviation industry by manufacturing parts for turbo-jet companies. HYRSA Aerospace was created in 2013 to fulfill the customer expectations, to assure the highest quality level and to meet the aerospace industry standard.

The company aims to improve its processes continuously through development and ongoing training of its people in order to consolidate as an international aviation manufacturer



Products / Processes

HYRSA Aerospace stands out for the precise work achieved by the qualified work force and the latest technology in 4-axis CNC Lathes and Machining Center. The core business is the development of machined metal products and build to print spare parts for food & beverage, automotive and aerospace industries. Due to the vast experience in machining processes HYRSA provides engineering and consulting services.

Key capabilities

Excellent Engineering Team, Great experience in machining processes, Versatile equipment for different types of products.





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In Laser & Manufacturing, we develop solutions on manufacturing laser cutting and waterjet components as well as bending services.

We have become a reliable alternative to our customers due to our capability to offer an integral and complete response in CNC machining as well as specialized welding. Manufacturing, metal-mechanic, automotive and aerospace are our principal type of customers.

Products/Processes

High precision laser cutting services
Waterjet cutting
CNC bending services
CNC Machinning
Specialized welding- TIG, MIG

Main Coustmers

Automotive, Metalmechanic and Aerospace industries

Quality certification

ISO9001:2008
AS9100 C



Equipment

Laser Machine AMADA 4000Kw
Mitsubishi Press Brake
175 Ton
Waterjet Flow Mach3
Haas Lathe 5-axis

Key Capabilities

- * Integral manufacturing services
- * Innovative technologies available to process materials
- * Accomplishment of high quality requirements
- * Expert service designed to meet the delivery time of your business
- * Production of either high-volume or short-run productions or prototypes
- * Optimization at creation, management and delivery of a complete

- plan from beginning to conclusion
- * Customized approach with our clients
- * Unique after sales customer service

International National presence

Our main presence is mainly in Mexico, but we are currently exporting manufactured parts to Germany.

MEGGITT

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Meggitt Aircraft Braking Systems provides aircraft braking systems to a diverse group of customers including airline operators, aircraft constructors, private aircraft owners and charter operators, governments and military operations and distributors and repair stations.

Products/Processes

Anti-skid brake control systems, Auto braking brake control systems, Auto spoiler deployment, Brake temperature monitoring system, Brake-by-wire brake control systems, Carbon brakes, Electrically-actuated brakes, Integrated brake metering/anti-skid brake control systems, Integrated tyre pressure indicator system/brake temperature monitoring system, Landing gear computers, Main

and nose wheels, Other braking system hydraulic components, Park/emergency valve, Rotor brakes, Steel brakes, Tyre pressure monitoring systems.

Key Capabilities

- Integral manufacturing services
- Innovative technologies available to process materials
- Accomplishment of high quality requirements



- Expert service designed to meet the delivery time of your business
- Production of either high-volume or short-run productions or prototypes - Optimization at creation, management and delivery of a complete plan from beginning to conclusion
- Customized approach with our clients
- Unique after sales customer service



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www.safranmbd.com

Safran is a leading international high-technology group with three core businesses: aerospace, defence and security. Operating worldwide, the Group has 62,500 employees and generated sales of 13.6 billion euros in 2012.

Messier-Bugatti-Dowty (Safran), is the world leader in aircraft landing and braking systems. Company capabilities encompass the full life cycle of our products, ranging from design and manufacture to in-service support, repair and overhaul. Messier-Bugatti-Dowty is a partner to 30 leading commercial, military, business and regional airframers, and supports more than 23,000 aircraft making over 40,000 landings every day. The company employs 6,800 staff working in locations across Europe, North America and Asia.

By 2010, Messier-Dowty México started operations in a 24,000 square meter facility, specializing in manufacturing of structural components which make up the landing gears. The production includes:

- Main Fitting and Slider for the Main Landing Gear A320.
- Bogie Beam for the Main Landing Gear A330.
- Slider for the Nose Landing Gear B787
- Slider and Bogie Beam for the Main Landing Gear A320 Neo.



Messier-Bugatti-Dowty in Queretaro, serves as a supplier to other operations of Messier-Bugatti-Dowty, by providing substations to other final assembly centres. It also serves as a center for the development of the supply chain in North America.

Products/Processes

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- Bogie Beam for the Main Landing Gear A330.
- Slider for the Nose Landing Gear B787
- Slider and Bogie Beam for the Main Landing Gear A320 Neo.

Equipment

Milling, Turning, Deep Hole Boring, Grinding and Honing Machines.

Key capabilities

Tooling Design, design, CNC Machining, Non destructive tests, Heat Treatment, Surface Treatments, Metrology, Assembly and balancing.



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www.safranmbd.com

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- Slider for the Nose Landing Gear B787

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Products/Processes

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- Bogie Beam for the Main Landing Gear A330.
- Slider for the Nose Landing Gear B787
- Slider and Bogie Beam for the Main Landing Gear A320 Neo.

Equipment

Milling, Turning, Deep Hole Boring, Grinding and Honing Machines.

Key capabilities

Tooling Design, design, CNC Machining, Non destructive tests, Heat Treatment, Surface Treatments, Metrology, Assembly and balancing.

Carr Estatal 200 Qro.-Te-
quis. Km 22+547
Colon, Queretaro
CP 76278

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mideshaies@pccaero.com
www.precast.com

Modern facility located within the Queretaro Aerospace Park, specialising in
airframe manufacturing and complex assemblies.

Products/Processes

Fabrication and assemblies of
airframe structure

Main Coustmers
Bombardier, Goodrich
Aerostructures, Boeing,
Gulfstream

Quality certification

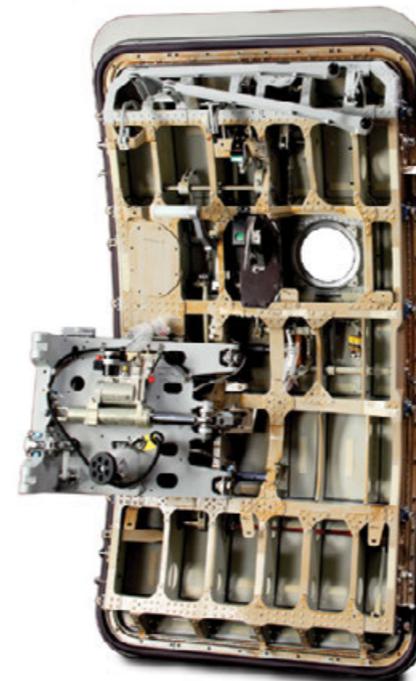
AS9100:2009 Rev C.
ISO 9001:2008

Key capabilities

CNC Machining and component
assemblies

International presence

USA, Canada, Asia, Europe





Av. Peñuelas 21 - D1
Querétaro Park
Col. San Pedrito Peñuelas
76148 Querétaro, Qro.
+52 (442) 2170922

helmuthh@remetec.mx
www.remetec.mx



A family owned company with German Technology and Mind located in Mexico serving the World with more than 50 years of experience machining high quality components for the automobile, aerospace and other industries complying the customer expectations”

Mission:

To offer the best products and services in the market with the highest quality, service and competitiveness.

Vision:

To be the first option as a supplier, chosen by our customers to fulfill their daily and future requirements.

Products/Processes

Precision CNC machined components produced with high tech equipment from Germany, Suize, Austria and others.

Main Customers

Eaton, ZF, VCST, Dynacast, Robert Bosch, Nexteer, others

Key capabilities

Medium to high complex parts
NAFTA supplier from the parts you import from Europe.

Equipment

CNC lathes, machines centers and grinders.

National presence

Experience exporting since the years60'sworldwide.

Quality certification

ISO 9001



Carretera Estatal 431 km
2+200 #46. Parque Tecnológico Innovación Querétaro.
El Marques, Querétaro,
CP 76246

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info@rymsa.net
www.rymsa.net

1989 The company was founded in State of Mexico to attend the Appliance Industry.

- 1992 We began to work to Automotive Industry
- 1995 We moved our location to Querétaro (Center of Mexico)
- 1997 We began to work to the Agriculture and Construction Industry
- 2002 We began to work to the Oil and Gas Industry
- 2006 We became an ISO 9001 certified company
- 2008 We began to work to the aerospace industry
- 2013 As an expansion plan we moved to our new facilities to increase the installed capacity.
- 2015 AS 9100 Certified

Products/Processes

Machining of metal-mechanic parts for the Oil & Gas and Aerospace industry. We can either produce high runners or low volume - high mix. Today we machine primarily low carbon steel, alloy steel and some stainless steels. We have worked

with some materials such as Inconel, Titanium, Hastelloy C, Monel. As other complementary processes we can grind, bore and hone among others. We are certified to do non destructive tests (liquid penetrant and magnetic particles). We set commercial partnerships



with heat treatments and coating companies to complete processes and deliver turn key products.

Main customers

Baker Hughes, Schlumberger, Messier services.

Quality certification

ISO 9001:2008; API Q1 (in process); AS9100 (in process).

Key capabilities

Turning in CNC Lathes, Milling in CNC Vertical Machining Centers (4 axis), NDE, Quality Equipment, On time deliveries, High Quality, Scheduling orders control, constant technology improvement, Customer services, Our people's commitment.



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www.safranmbd.com

Safran is a leading international high-technology group with three core businesses: aerospace, defence and security. Operating worldwide, the Group has 62,500 employees and generated sales of 13.6 billion euros in 2012.

Safran with 100 years of expertise, is one of the world's leading manufacturers of aircraft and rocket engines. We design, develop, produce and market, alone or in partnership, engines for commercial and military aircraft, launch vehicles and satellites. We also offer a complete range of engine maintenance, repair and overhaul (MRO) services to airlines, armed forces and other operators.

Safran Mexico is a wholly-owned subsidiary of Safran located in Querétaro since 2010, with 220 kilometers northwest of Mexico City, in an Aerospace Industrial Park next to Queretaro's International Airport. Spanning some 12,000 square meters, the plant is dedicated to the manufacture of parts for Commercial Engines.

Today, Safran México manufactures critical parts for the engines CFM56, SaM146 and the Silvercrest.



Products/Processes

Safran Mexico is dedicated to the manufacturing of essential parts for the CFM56, the SaM146 and Silvercrest engines.

- CFM 56-7 :
 Fan Disk
 Booster Spool
 Compressor Shaft
 CFM 56-5B:
 Booster Spool / Low Pressure Compressor
 CFM 56-7B:
 Stage 1 Blade / Low Pressure Turbine
 Stage 1 Nozzle Segment / Low Pressure Turbine
 SaM 146:
 Blisk Stage 1 and 2 / High Pressure Compressor
 Silvercrest:
 Blisk Stage 4 / High Pressure Compressor
 Impeller / High Pressure Compressor
 And the assembly of:
 CFM 56-7 :
 Major Module 1 / Low Pressure Compressor

Key capabilities

Tooling Design, Design, CNC Machining, Non destructive tests, Heat Treatment, Surface Treatments
 Metrology, Assembly and balancing.

Equipment

High Pressure Lathes, 3,4 and 5 axes milling, Continuous 5 axes milling, Vacuum Furnace, Surface Treatment Lines, Balancing Machine, Shot Peening Machine, FPI, Painting Cabines.

Quality certification

AS9100, NADCAP, EASA

International processes

France, China, Morocco, Russia.



Calle 2 Nr 106-B; Zona Industrial Jurica; CP 76120 Querétaro, Querétaro.

+52 (442) 218 7499
info@tecnum.com.mx
www.tecnum.com.mx

Tecnum Service is a company dedicated to the manufacturing of highly engineered, complex and precision machined components.

We are equipped with the most modern equipment and highly skilled and experienced staff, with flexible machining cells 4-axis horizontal machining centers as well as the expertise of our staff which makes us a good choice for those OEM's that demand machined parts of sizes up to 1200 mm in small and medium size production volumes

Machining of monolithic prismatic components on horizontal 4-axis Machining Centers up to 1600 mm large. Thanks to the Flexible Cells we have we can respond efficiently to various demands such as unique parts, prototypes up to small batches and medium volume production parts. We machine any type of materials, being particularly competitive on hard materials such as Titanium, 300M Steel, hard Aluminum.



Key Capabilities

Ability to create prototypes, engineering support

Equipment

Tecnum is equipped with flexible machining cells 4-axis horizontal Machining Centers up to 1600 mm and Flexible Cells to machine parts of sizes up to 1200 mm in small and medium size production volumes.

National presence

Queretaro, Mexico

Quality certification

AS 9100, ISO 9001

SPECIAL PROCESSES



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



Calle 3 # 11 Zona Industrial
Benito Juarez Queretaro
Qro. Mexico 76120

+52 (442) 2573023

www.criomx.com

CRIO is a private company dedicated to commercial heat treating with new and modern equipment since 2004, guarantying a stable and repeatable process which complies with most of the certifications.

Products / Processes

- Carburizing
- Carbonitriding
- Neutral Hardening
- Annealing
- Normalizing
- Press Quench
- Tempering
- Cryogenic

Main Coustmers

Meggitt, Dana, AAM, SKF,
CELAY

Quality Certification:

AS9100, ISO9001

Major Equipment List

(4) UBQ 36-48-36 , Full Batch
Line

(1) Mesh Belt 48-120

(1) Carbottom 15 Tons

(2) 4500 Endothermic
Generator





Acceso C # 107 Parque Industrial Jurica,
Quéretaro, Qro. C.P. 76100

+52 (442) 218 82 60
eflores@metalinspeclaboratorios.com.mx
www.metalinspeclaboratorios.com.mx

Establish in 2000 Metalinspec Laboratorios SA de CV., has Laboratories located at Queretaro and Monterrey, Mexico.

Metalinspec Laboratorios has organized into nine advanced groups, distributed in our two laboratories; Mechanical Testing, Stress Rupture and Creep Testing, Physical Metallurgy, Fatigue Testing, Chemical/Analytical, Corrosion, NDT, Training and Machine Shop-Heat Treat.

Metalinspec laboratorios has a conifable team, integrated for specialist in the industry, people

Products / Processes

Metalinspec laboratorios be a private metallurgical lab for the Aerospace, Automotive, Heavy and Oil & Gas industries. We develop and made test and evaluations about the quality of materials used by our customers.

with more off 15 years work in the industry, PhD in materials, Engineers in Materials and the best accreditation; we have the confidence off our customers.

Our key are: Very fast response times, Technical support, Trazability all the time, Reliable Results.

We choose all the time, choose be better!

Mechanical, NDT, Corrosion, Machine Shop, Heat Treat, Technical Training, Chemical Analysis; have been our business after years ago.

Its a pleasure made tests for our customers.



Main Customers

Safran, Itr, Desk, Bombardier Transportation, Emerson, Nabors, Honda, Cicsa, Kspg, Abengoa-Comemsa, Grunfos Pumps, Crown, Metalsa, Faurecia, Corey, Pemex, Acerlor Mital, American Axle.

Quality Certifications

ISO 17025 / NADCAP

Key Capabilities

Tensile Test High Temperature & At room temperature, Hardness and Micro- Hardness, Metallographic Analysis, Chemical Analysis, Intergranular Pitting Corrosion, Bend Test, Jominy Test, Charpy Impact, Stress Rupture, Creep, High Cycle Fatigue, Low Cycle Fatigue, Salt Spray, Ultrasonic, Magnetic and Penetrant Inspection, Failure Analysis, Training Courses, Machining, Weldability, Normalized, Quench, Temper, Stress Relieve.

Equipment

3 Universal Test Machine, 1 Fatigue Machine, 3 Creep machine, 2 Oven for Stress Rupture, 2 Charpy Impact Machine, 4 Emission Optical Spectrometers (Station and Mobile), 1 Salt Spray Machine, 3 Metallurgical Microscopes, 6 Durometers, 1 CNC Vertical, 2 CNC Horizontal, 2 Ovens for Heat Treat, Lab Metallurgical Equipment, Machine Shop Equipment, NDT Equipment, Corrosion Equipment.

International presence

México. Estrategic alliances with North American labs (WMT&R).

Southwest United de Mexico SA de CV



Ave. De la Luz No. 24 Int. 16
Fracc. Industrial Benito Jua-
rez Queretaro, Qro 76120

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mideshaies@pccaero.com
www.precast.com

Southwest has many years of technical metal processing experience and has established a state of the art processing facility specifically designed to service the needs of the Querétaro and Mexican aerospace industry.

The facility constitutes a significant capital investment and provides other aerospace manufacturers the critical processing infrastructure necessary to expand the Querétaro and Mexican aerospace manufacturing industry.

SWM becomes one of the first strategic projects nationwide in which a Mexican PYME joins with a key American aerospace supplier.

Products / Processes

Airframe special processing including Florescent Penetrant Inspection, Passivation, Anodizing, Shot Peen Saturation, Alodine, Primers and Top Coats

Main Customers

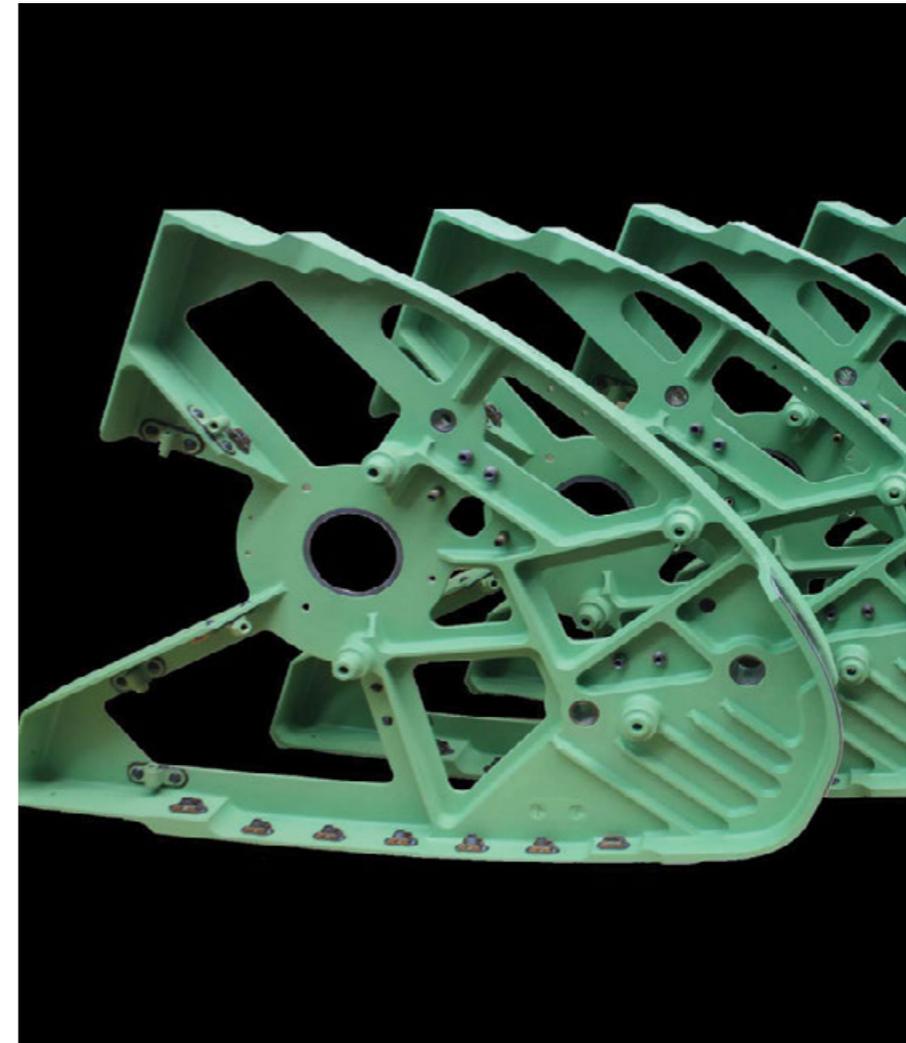
Bombardier, Goodrich
Aerostructures, Boeing, Parker
Aerospace, Meggit, Messier
Services

Quality Certifications

AS9100:2009 Rev C.
ISO 9001:2008
ADCAP

International presence

USA, Canada, Asia, Europe





Av. Fray Luis de León 8051
Espacio Ejecutivo Oficina 9

Centro Sur - C.P. 76090
Querétaro, Qro. México

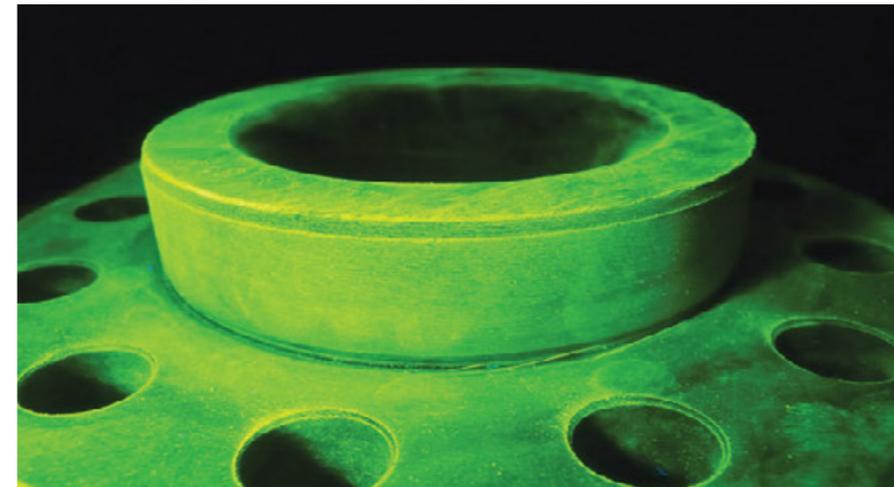
210 38 60
contact.mx@testia.com
www.testia.com

NDT EXPERT México was founded and established in 2011 in Querétaro, in order to meet the needs of the aeronautic industry in full growth.

NDT EXPERT México is part of the TESTIA group. TESTIA objective is to create a highly reactive organization offering NDT Services and Products worldwide. NDT EXPERT México offers a global solution around the Aeronautic and Space Non Destructive Testing activity:

- Training and qualification.
- NDT Inspections for manufacturing and in-service.
- Level III Technical support, NADCAP preparation.

- NDT Product supply: global solution about study, installation and validation of complete workstation.



Quality Certifications

AS 9100:2010
ISO 9001:2008
Boeing
Certificaciones FAA y DGAC
en proceso
AS 9100:2010
SO 9001:2008
Boeing
FAA and DGAC certifications in
proces

Products / Processes

NDT process consulting for the Aeronautic Industry; Level III services, NADCAP preparation, training and certification according to NAS410/EN4179 in all metho
Design of instalations for NDT Inspections.

Main Customers

Bombardier, Eurocopter,
Interjet, Latecoére, ITP, ITAM,
Snecma México , UNAQ,
Southwest United Galnik

Equipment

NDT inspection equipment including ultrasonic phased array immersion tank and FPI

International presence

Francia, España, Alemaña,
Inglaterra, Sud africa, Singapore



aeroprocessttt@grupottt.com
www.grupottt.com

AEROPROCESS TTT, Is a company of Grupo TTT, specialist on Special Processes that attends to the Aerospace Industry.

Products / Processes

High Vacuum Treatments and Tests:

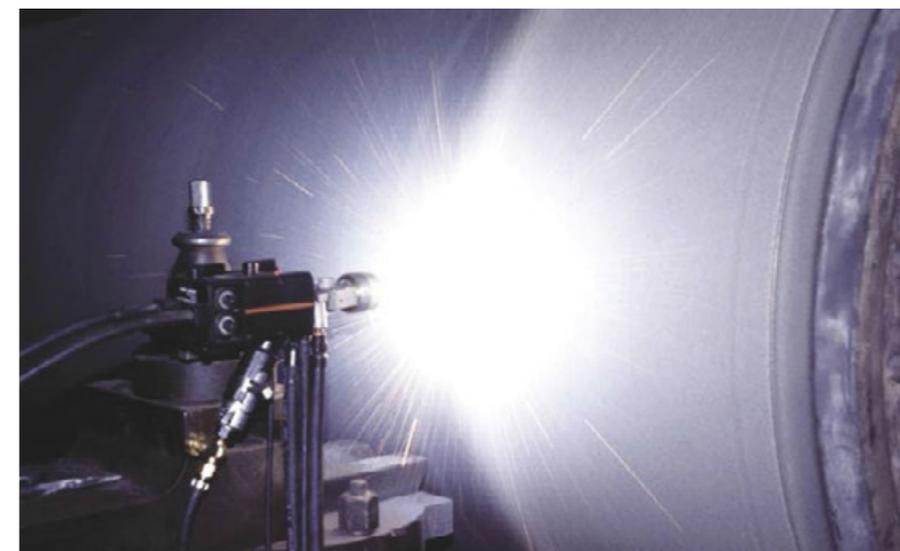
- Heat Treatment: quenching, tempering, precipitation hardening, stress relieving, annealing, brazing...
- Tests: hardness, metallography, traction.

Main, Custommers:

- Airbus; - Airbus Military; - Airbus Helicopter; - Aernnova; - Rolls-Royce; - Messier-Bugatti-Dowty (SAFRAN);

Quality Certification:

ISO 9001; ISO 9100; NADCAP





MAINTENANCE REPAIR AND OVERHAUL



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



Av. La Noria 131.
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taro.
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www.safranmbd.com

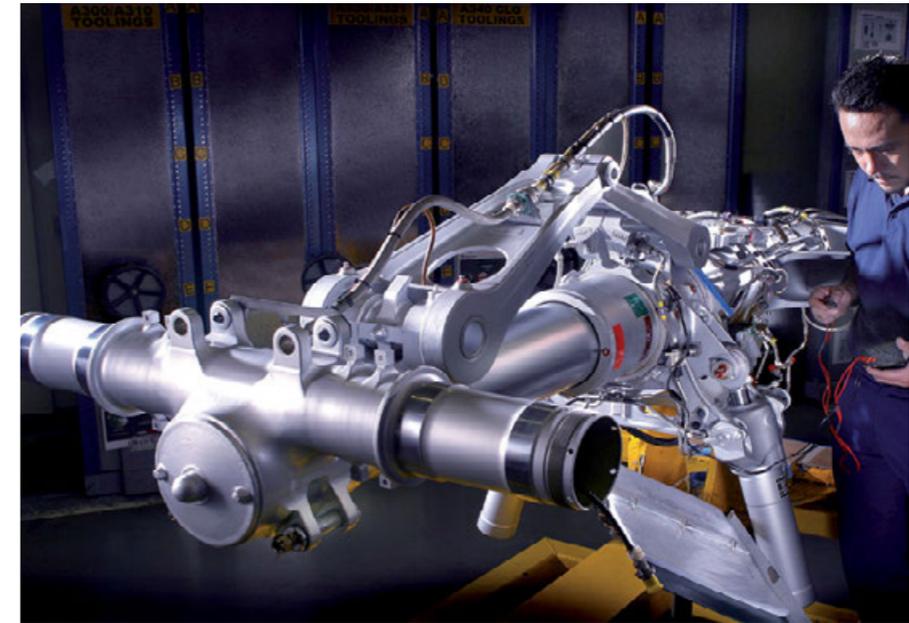
Offering cost-effective, high quality, OEM backup, MRO solutions for landing gear and related hydraulic equipment. A Safran GROUP company. 10,000 sq meters facility which provides support for landing gear and related hydraulic unites manufactured by Messier-Bugatti-Dowty. Provides as well NDT services as well as plating/machining.

Products/Processes

Landing gears and hydraulic components overhaul and maintenance: disassembly and inspection, small to large parts machining, NDT, plating removal and application, grinding, painting, sermetel, bushing, harnesses control and repair, assembly.

Quality certification

DGAC, FAA, EASA, CASE, ANAC, AS9100, NADCAP CHEMICAL PROCEDURES.



Key capabilities

Landing gear experience includes capabilities : Airbus A300, A310, A318, A319, A320, A321; Boeing B737NG; Bombardier Challenger, CRJ, Dash 8

International presence

France, USA, Canada, UK, Singapore, Mexico.





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On 2012 Grupo Aeromexico and Delta Air Lines decided to consolidate a common company as a Joint Venture with the goal to create the most important Heavy Maintenance center in Mexico and one of the most important in America. The Joint Venture takes advantage of the years of experience of both Aeromexico and Delta in order to provide the best quality services to their own fleet and any other customer interested in having someone taking care of the one of most important assets of the airline.

As an added value to our customers, our current NDT capabilities on composites, ultrasonic, hardness, eddy current, magnetic particles and Dye check will be expanded with an Rx cell, and metrology shops for calibration of items related with temperature, mass, dimensional, pressure, electrical, torque and force measurements, these actions will provide to our customers a wider options of services and enhanced results on the heavy maintenance services.

Products/Processes

We know that aircraft require high quality maintenance to guarantee reliable operations and punctual flight schedules, while reducing operating costs and increasing revenue therefore our core activity is to provide the best Heavy Maintenance services “C”, “D”, “E”, “CPCP” and systems modifications to our customers. Our current capability approved by DGAC and FAA includes MD80, B737, B757 and ERJ-145.

Quality certification

The maintenance services provided by AM DL TechOps comply with regulations established by Aeronautical Authorities from Mexico (DGAC) and USA (FAA) and are accredited with certificates issued by each of these authorities. These certificates are renewed annually on the basis of on-site audits conducted by inspectors chosen by the relevant aeronautical authorities.

Key capabilities

- MD88, B737, B757, ERJ-145 “C”, “D”, “E”, “CPCP Heavy Maintenance services.

- Accomplishment of AD and manufacturers SB's.
- Systems modifications
- Winglets installation
- NDT, Ultrasonic tests, Eddy Current, Magnitic particles, Dye Check, Rx.
- Expansion plan includes ERJ-170 -190 capabilities and metrology shops as well.
- Life vest Capability.

Equipment

There is a wide range of specialized equipment and tooling for every single type of aircraft serviced.





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dirgen@itmexico.com.mx
www.itrmexico.com.mx

ITR has a total of 26 years of experience in the Aerospace industry, as result of years of research and development in the areas of: engineering, manufacturing and maintenance (repair and overhaul) of engine aircrafts and gas turbines. More that 1000 turbines have been overhauled in our plant.

Products/Processes

Full MRO:

- JT8D
- TPE331
- Industrial Turbines
- Components Repair
- APUs
- Aero Engines
- Industrial Turbines

Main customers

SAS, Allegiant, SAFRAN, Aerolíneas argentinas, Honeywell, CFE, PEMEX.

Key capabilities

ITR is the leader in Mexico offering the highest number of special processes (Chemical processes, NDT and inspection processes, and Welding), with the highest number of Nadcap certifications and approvals. Some of our manufacturing technologies are: Anodizing, HVOF, Brazing, Plating, Chemical Conversion, X Ray, FPI, MPI, Manual & orbital TIG, Torch Braze, Induction, Passivation, among others.



Quality certification

ISO 9001:2008, UNE-EN 9110:2011 (AS9110A), UNE-EN 14001:2004 (ISO 14001:2004) y OHSAS 18001:2007, Maintenance Organization/Repair Station approval issued by DGAC, FAA, EASA, CFE (LAPEM) and the Civil Aviation Authority of Argentina. Clean Industry Certificated.

International presence

ITP Spain, ITP UK, Aeromaritime USA, Aeromaritime Malta.



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Learcom S.A. de C.V. es una empresa del ramo aeronáutico enfocada al mantenimiento de aeronaves ejecutivas con la especialidad en las marcas Bombardier (Modelos Learjet 20, 30 40/45, 60), Hawker Beechcraft (Modelos 600, 700 y 800) y Falcon (Modelos 20 Series).

Products/Processes

- Full MRO:
- JT8D
- TPE331
- Industrial Turbines
- Components Repair
- APUs
- Aero Engines
- Industrial Turbines

Main customers

Promotora Gilma Sa. De C.V.,
Aero Servicios Platinum S.a
De C.v , Pueblo Bonito Air S.a
De C.V, Aerocopter S.a De C.V

Universal Jet Rental De Mexico S.a
De C.V, Aerolineas Hidalgo S.a De
C.V, Aerotransportes Huitzililn S.a
De C.V, Jetpro S.a De C.V, La Voz
De Michoacan S.a. De C.V., Rajet
Aeroservicios S.a De C.V.

Quality certification

ISO 9001:2008, UNE-EN 9110:2011
(AS9110A), UNE-EN 14001:2004 (ISO
14001:2004) y OHSAS 18001:2007,
Maintenance Organization/Repair
Station approval issued by DGAC,
FAA, EASA, CFE (LAPEM) and the
Civil Aviation Authority of Argentina.
Clean Industry Certificated.



Key capabilities

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Chemical Conversion, X Ray, FPI, MPI, Manual & orbital TIG, Torch Braze,

Induction, Passivation, among others.





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ana.turrent@sames.com.mx
www.snecma.com

A wholly-owned subsidiary of Snecma, conveniently located in Querétaro, in the middle of the Americas.

SAMES is specialized in maintenance, repair and overhaul services for CFM56-5A, -5B and -7B engines, including LRU support and on-wing maintenance.

Products/Processes

Maintenance and Major Repair (MRO) CFM56 engine.

Sames is the only workshop in Mexico by the engine manufacturer to attend LEAP X to commence operations in 2016.

The first workshop CFM56 MRO in the region affiliated with the OEM.

A full range of services (maintenance, repair and overhaul).

Capabilities of aircraft engine MRO:

Quality certification

DGAC México, DGAC Chile, DGAC Ecuador, EASA, FAA, EN9110



Key capabilities

MRO (Mantenimiento, Reparación y Overhaul) de motores CFM

International presence

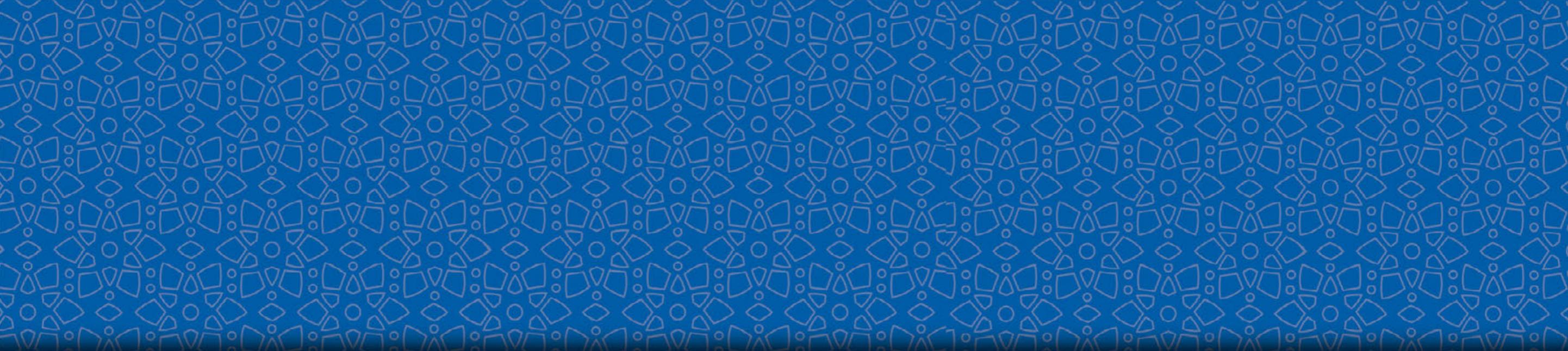
France, USA, Brazil, Russia, Poland, Spain, Ireland, China, India, Morocco, Belgium.

Equipment

Test Cell, Welding, X-Ray, Heat Treatment, Surface Treatment, Plasma Process, Machining, Painting Process, Moving Line, Warehouse, RFID (Radio Frequency Identification).



RESEARCH AND DEVELOPMENT



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



km 4.5 Carretera a Los Cués
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CP 76246

+52 (442) 211 0522
www.cenam.mx

The National Center of Metrology (CENAM) is the National Metrology Institute of Mexico. CENAM is one of the most renowned institute in America, its key comparisons with others NMIs as NIST from USA, INMETRO from Brasil and PTB from Germany ensure the best accuracy services in México. The CENAM has primary standards in the next fields: Temperature, length, time and frequency, electricity, amount of substance, force, torque, pressure, etc.

Products/Processes

High precision metrology services such as:
Consultancy, Training, Development and validation of metrology systems and processes, calibration services, metrological evaluation of products and prototypes, etc.

Main customers

OEM's and Tiers of engines, structures, landing gears, composites and interiors.

Quality certification

International recognition as National Metrology Institute of México.

Key capabilities

In research and development:
Measurement and characterization of new products and materials.
Design and evaluation of systems, methods and fixtures/jigs of high exactitude.

In manufacturing processes:
Evaluation, analysis and measurements of physical, chemical and mechanical



properties.
Optimization of measurement systems and methods in processes and quality control labs.

Calibration of reference instruments and systems with the highest accuracy.

Other processes and specialized services:

NDT : Ultrasound and acoustic signature.

EMC traceability.

Dynamic analysis and performance evaluation.

Acoustics testing, NVH, microanalysis, microscopy, rXD Metrology training, MESURA Program

Equipment

CENAM has more than 100 laboratories equipped with different types of systems and instruments such as optical systems for length

measurements, electronic microscopy for chemical analysis, vibrations, ultrasound and noise measurements systems, primary standards of temperature, length, force, torque, electromagnetism, radiofrequency, etc.

International presence

CENAM has a very close relationship with the most of the National Institutes of Metrology around the world. The collaboration with them allow to participate in international projects related to the science of metrology.



Av. del Retablo No. 150
col. FOVISSSTE,
Querétaro, Querétaro
CP 76150

+52 (442) 211 2679
mkt@ciateq.mx
www.ciateq.mx

CIATEQ improves the competitiveness of the manufacturing industry with technologies that allow greater speed and process accuracy, new methods for processing materials, techniques that reduce product development times, and the automation of production processes. We perform a systematic work for the design, modernization, automation, analysis, or construction machinery and special purpose equipment; we provide the industry new mechanisms, processes, systems and services, or the significant improvement of the existing ones.

Products/Processes

Design and development of special purpose machinery and fixtures; Engineering solutions and technological development in turbomachinery; Rebuilt and Retrofitting of machines and equipment; Design and implementation of supervisory control and data acquisition systems (SCADA'S); Operational reliability of equipment and process; Simulations

for virtual design of product and manufacturing processes; Development of new polymeric materials through transformation processes; Physical, chemical and mechanical characterization of materials; Mechanical integrity and non destructive testing; Design and manufacture of tooling, molds and dies; Rapid prototyping in SLS, FDM and silicon molds; Metrology



services.

Quality certification

ISO 9001, AS 9100, ISO 1400,
ISO 18001

Key capabilities

Plastics and Advanced Materials, IT- electronics and control, Measurement systems, Plants engineering, Virtual engineering and manufacturing technology, Mechanical systems and Postgraduate programs.

Equipment

Machining and Assembly workshops: Gantry machine. CNC Boring Machine. Center 5-axis machine DMU. Machine center 3-axis DMU. Conventional Boring. Cincinnati machine center. Waterjet cutting. CNC Machining Center Makino V33i. Vertical Machining Center

Horizontal Lathes Several Milling Machines. EDM sinker Machine. Center high speed machining Huron 0 to 18.000 rpm. Grinding surfaces. EDM Wiring Machine Capacity 0.5 tons. EDM sinker machine. Virtual Tours Room Room 2D and 3D projection. Mechanical testing laboratories. Metrology laboratories. Laboratory of Processing Polymers Injection Molding Machines: Jon Wei 60 Ton and 400 Ton. Sumitomo-Demag 100 Ton. Laboratory for rheology and advanced thermal characterization.



Av. Playa Pie de la Cuesta #
702, Desarrollo San Pablo,
Querétaro, Querétaro
C.P. 76130

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vilomara@cidesi.mx
www.cidesi.com

Public Reserch Center belonging to CONACYT system, whose mission is to generate value for companies, contributing to increased competitiveness through the development and application of relevant knowledge, highly qualified staff, dedication to service and worldclass standards.

Products/Processes

Applied Research Projects, Technological Development, Innovation&Specialized Services for advanced manufacturing, Mechatronics, Automation, Applied Electronics, Materials Technology, Composites and Metrology

Main customers

OEM's and Tiers of engines, structures, landing gears, composites and interiors.

Quality certification

AS 9100, ISO 9001, ISO/IEC 17025

Equipment

Machining Centers, NC Lathes, Quick Prototyping Machine, Welding, NDT, Test for Composites, Metrology.



International presence

CENAM has a very close relationship with the most of the National Institutes of Metrology around the world. The collaboration with them allow to participate in international projects related to the science of metrology.





Parque Tecnológico Querétaro
S/N, Sanfandila, Pedro Escobedo,
Qro.
CP 76703

+52 (442) 211 6000
ventas@cideteq.mx
www.cideteq.mx

CIDETEQ is a public Technology Research and Development Center which belongs to CONACYT (Mexico's R&D agency). It specializes in Electrochemical processes (metal plating, surface treatments and coatings, fuel cells), Materials (chemical treatments, electrodeposits and electro formation), and Environmental Technologies (chemical analysis, water treatment, waste treatment, and soil remediation). Since its creation in 1991, CIDETEQ has worked with government agencies and private industries, in sectors such as metal-mechanics, chemical, food, automotive, textile and the aeronautic industry.

In addition, CIDETEQ carries out research in 8 lines: bio-electrochemistry, corrosion, electrodeposits, alternative energies, electrochemical engineering, nanotechnology, soil remediation, and water treatment. We also offer Master and Doctorate programs in Electrochemistry and Environmental Technology, with over 90 alumni.

Products/Processes

Electrochemical and biological water treatment plants for industrial and sanitary wastewater, metal-plating production lines, electro-

formation of high precision surfaces, renewable energy: photovoltaic and thermal systems, fuel cells.

Main customers

Messier Servicios, Bombardier, ITR, Comisión Federal de Electricidad, Mexichem, Aeropuertos y Servicios Auxiliares.

Quality certifications

Certification ISO9001:2008, EMA accredited Chemical and Materials laboratories. Bombardier authorized supplier No. 0000128189, for chemical testing metals, alloys and metallic coating (XRF, ICP, AA), and treatment solutions and waters. We are currently working towards the implementation of AS9100.

Key capabilities

Composites and materials characterization, chemical analysis, electrochemical processes development and implementation, development of water treatment technologies, corrosion, alternative energy sources.

Equipment

Accredited Chemical and Materials Laboratories. Equipment such as: Scanning Electric Microscope (SEM) with EDS. Supercritical Fluid reactor. Scanning Tunneling Microscope (TEM),



Metallographic and Stereoscopic Optical Microscope. Salt spray and UV test chambers. Laboratory equipment for tests in ultrasound, hardness, metallography. Hardness and Micro-hardness measurement equipment Infrared Spectrophotometer, Optical Absorption Spectrophotometer, Spectrophotometer Raman, UV-visible spectrophotometer, Atomic Emission Spectrophotometer (ICP), Atomic Absorption Spectrophotometer.

ACADEMY



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



Carrizal No. 27.
Colonia: El Carrizal.
Querétaro, Querétaro

+52 (442) 242 1454,
216 3202,
216 0196
vhuerta@cecyteq.edu.mx
www.cecyteq.edu.mx

Provision of educational services for technical degree programs.

Products/Processes

The CECYTEQ process are as follow:
Strategic Direction Process
Academic Management Process
Educative Training Process
Planning, Management and Resources
Administration Process
Quality Management Process

Main customers

Students from Querétaro Middle
Schools

Quality certification

Certificate of Conformance
ISO9001:2008. ABC QUALITY
EVALUATIONS

International presence

Around Mexico, we are the
only one who has the program:
“Basics of engineering”.
The objective of this program is
to encourage among the middle
high education students.
The interest for the applied
science and the investigation. In
order to create a new generation
of competent engineers in the
global productive area.





Prolongación Tecnológico
No. 801 Edificio CIMA Nivel 2

+52 (442) 238 3105
igtortslo@itesm.mx
www.cedia.com.mx

Products/Processes

CEDIA promotes the development of the aeronautical cluster in Queretaro, providing leading edge graduate students and technological solutions for the aeronautical industry.

Quality certification

CEDIA is accredited by international certification bodies certifying education for ITESM Campus Queretaro.

Key capabilities

- Aeronautical Engineering Specialization. Aeronautical Fundamentals, Flight Control Systems, Flight Mechanics, Aeronautical Materials, NDT, Turbomachinery & Propulsion, Norms & Certifications,

Finite Element Analysis, Computer Numerical Control.

- Suppliers Development Program. With financial support and counseling through the CEDIA local companies are implementing the AS 9100B certification.

- R&D (Projects). Design of real environment cockpit as a flight training device, based on Microsoft Flight Simulator, to be used in the course Aeronautical Fundamentals/ Instrumentation of a Aeromodellism jet turbine used in the course Turbomachinery & Propulsion/ CFRP Composites Testing





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CP 76270



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www.unaq.edu.mx

Public University that includes all levels of education from basic technicians to master in aeronautics. Unique in its kind in the world for its educational model and specialization in the training of Aeronautical personnel. In its facilities have a Franc-Mexican Campus wich upgrade the quality and reliability of the training to international standards and has the recognition from the French Government in Mexico.

Products/Processes

Specialized training in the aeronautical field: Aeronautical Manufacturing and Maintenance. Reserch and development of technology in projects for solution needs of companies of the aeronautical industry.

Quality certification

Environmental quality certification awarded by PROFEPA.
D.G.A.C. Aeronautical Training Center Approved.

Key capabilities

Teachers Specialized in the aeronautical sector. Industrial facilities adequate for the delivery of courses. Franc-Mexican Campus with 21 laboratories and one aircrafts intervention zone.



Equipment

- 9 operating aircrafts for training purposes.
- 1 Aircraft with museum value.
- TIG and MIG Welding shop.
- Structural assembly equipment as rivet guns & drills.
- Equipment for Sheet Metal work (cutting, bending).
- Equipment for working materials such as carbon fiber composites & fiberglass.
- Equipment for production of electrical harnesses.
- 5 CNC machining centers (3 and 4 axis)
- Electronic equipment practices. Wind tunnel for aerodinamics training.
- Avionics shop for test and repair.
- CMM Machine for metrology practices.

Level	Program	Net
Technical Training Programs for Manufacturing	1. Electrical Assemblies 2. Structure Assemblies 3. Machining CNC 4. Sheet Metal 5. Composites	2 months to 8 months
Upper level Technician *DGAC	Avionics * Aircraft maintenance * Aircraft manufacturing	2 years
Engineering	Aeronautic in Manufacture	4 years
Graduate programs	Aerospace engineering	2 - 4 years



**UNIVERSIDAD
AUTÓNOMA DE
QUERÉTARO**



Cerro de las campanas S/N
Col. Las campanas
CP 76010
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The Autonomous University of Queretaro (UAQ) is a Mexican public university recently ranked 8 among the Mexico's top overall universities. It is based in the city of Santiago de Querétaro, Querétaro, but with campus around the state. The main campus is located in Cerro de las Campanas, but there are others at Juriquilla, San Juan del Río, Aeropuerto, Amealco, Amazcala, Cadereyta, Jalpan, San Juan del Río and Tequisquiapan.

Products/Processes

The Autonomous University of Queretaro (UAQ), is an institution of higher education with social pertinence and financial sustainability. It targets holistic training of students so as to ensure their personal, social and professional development; all through Educational Programmes widely recognized by their quality. UAQ generates and applies knowledge, develops human resources in research by

means of national and international collaboration with robust faculties. UAQ fosters cultural and knowledge dissemination, strongly linked to different social sectors; in order to promote diversity and freedom of thought. The mission of the Autonomous University of Queretaro is to provide quality education, to train competent professionals, to conduct scientific, technological and humanistic research aimed to generate welfare and innovation; to disseminate and expand



the growth of humanities, science, art and technology; and to contribute the development through responsible participation, openness, freedom, respect and propositional criticism.

Key capabilities

Human Resources in strategic areas in the sector such as: Automation, Instrumentation and automatic control, nanotechnology, design and innovation, applied mathematics, industrial design, mechatronics, among others. Research and experience in technology development for the industry.

Equipment

UAQ has different laboratories oriented to education and research at the engineering school related to the following areas: industrial automation, nanotechnology, mechatronics, industrial design, electric machines, computing centers, access to international electronic databases as well as infrastructure for teaching, continuous education and technological project development



DESIGN AND ENGINEERING



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



Acceso IV 6 ZI
Benito Juárez
Queretaro, Querétaro,

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dirgen@itmexico.com.mx
www.itrmexico.com.mx

We are a company dedicated to the design development and manufacture of Low Pressure Turbine Static components and honeycomb seals made of Ni alloys mostly but also made of Steel and Titanium. We have extensive capability for machining of cases, NGVs integral rows, Radial Structures and Honeycomb seals, together with all the associated special processes required for those LPT Components. Our business plan foresees a strong growth based in the comercial Aerospace and Defence Industry during the next 10 years.

Products / Processes

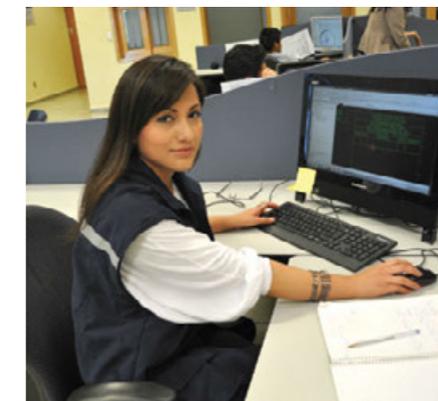
Static parts
Product Types: Casings, radial LPT structures, Integral rows of NGVs
Process: Mid size machining and associated special processes embedded in lean production cells flow.

Materials: Ti, Ni, Steel.

Assembly of modules as an opportunity to add value to customers

We design a substantial part of the products we manufacture from components up to Radial Structures, Compressors and Low Pressure Turbine Modules.

We also offer Engineering Services



as a product to Customers.

Static components
Product Types: Honeycomb ring seals for LPTs mostly.
Materials / alloys: C263, Inco907, Jethete M152
Process: Mid size machining + Special processes embedded in lean production cells.

Key capabilities

Engine Static Parts Machining:
Casings
Integral Rows of Vanes
Integral Radial Structures
Seals
NDT, HEAT TREATMENT, CHEMICAL COATINGS, and WELDING processes certificated by NADCAP.



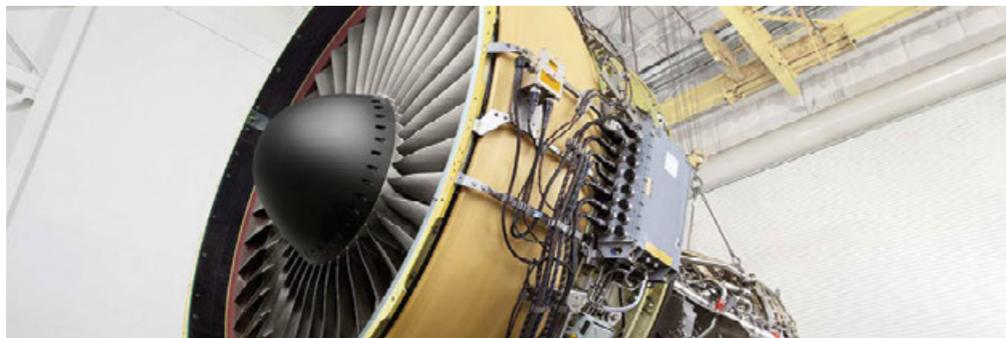
GE IQ

Campo Real 1692,
Residencial El Refugio
Queretaro, Querétaro,
CP 76120

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www.ge.com/mx/

GE CIAT provides design, analysis and engineering services for propulsion engines and power generation systems. GE CIAT is one of the best turbo machinery engineering and design centers in Mexico. It is jointly owned by GE Aircraft Engines (GEAE) and GE Power Systems (GEPS).



Products/Processes

- Components, systems, tools and harness design, using Six Sigma DFSS methodology
- Generation Systems design with aeroderivatives
- Finite Element (FE) structural, thermal and computer fluid dynamics (CFD) analysis
- Turbine control systems
- Hydraulic systems design
- Manufacturing and inspection process
- Rotors and electric generators



Monteverde 529, Residencial
El Refugio, Querétaro Querétaro
CP 76146

Taller CC003 UNAQ - Carretera
Estatad Querétaro - Tequisquiapan
No. 22154 | Parque Aeroespacial
Querétaro | Colón, Qro. | C.P.
76270

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contacto@qae.mx
www.qae.mx

The draft QUETZAL is based on technology development for innovative and high-tech unmanned aerial systems (UAS), which coupled with the integration and optimal development of systems and accessories, they provide solutions versatile aerial observation, easy maneuverability and economically viable.

Products/Processes

QAE 108 - Light
QAE 108 - 100 (In process)

Main customers

TURISTIC SECTOR
CONSTRUCTION SECTOR

Key capabilities

Develop an unmanned aerial system that should serve as an instrument capable of performing all types of aerial observation and vertical photograph fulfilling the standards and safety regulations specific to the aviation environment. With this air system a greater benefit cost / efficiency to obtain geo-referenced data is achieved.

Equipment

The UAS, called QAE-108, is a



short range aircraft and fast takeoff, which, thanks to its easy maneuverability, can perform observation in areas of difficult access, inhospitable and extreme environmental conditions.

National presence

México





SERVICES



QUERÉTARO
ESTÁ EN NOSOTROS



PODER EJECUTIVO DEL ESTADO DE
QUERÉTARO



Carretera a Tequisquiapan Km
22.5 Int. "E" Parque Aeroespacial,
Colon, Queretaro.
CP: 76270

+52 101 6700
jlopez@aepestche.com
www.aepestche.com

USA company based in Arlington, TX, now part of the Arrow Corporation. Dedicated to provide 3PL services and high range of value added services on logistics to Bombardier Aerospace, mostly on the Electrical Division. Providing high quality standards, customer processes orientated activities and amazing customer experience.

Products/Processes

3PL Services, Logistics & JIT services, Value Added, Kitting activities, Wire & Cable, Connectors & Accesories, Harness Management, Technical Support.

Main customers

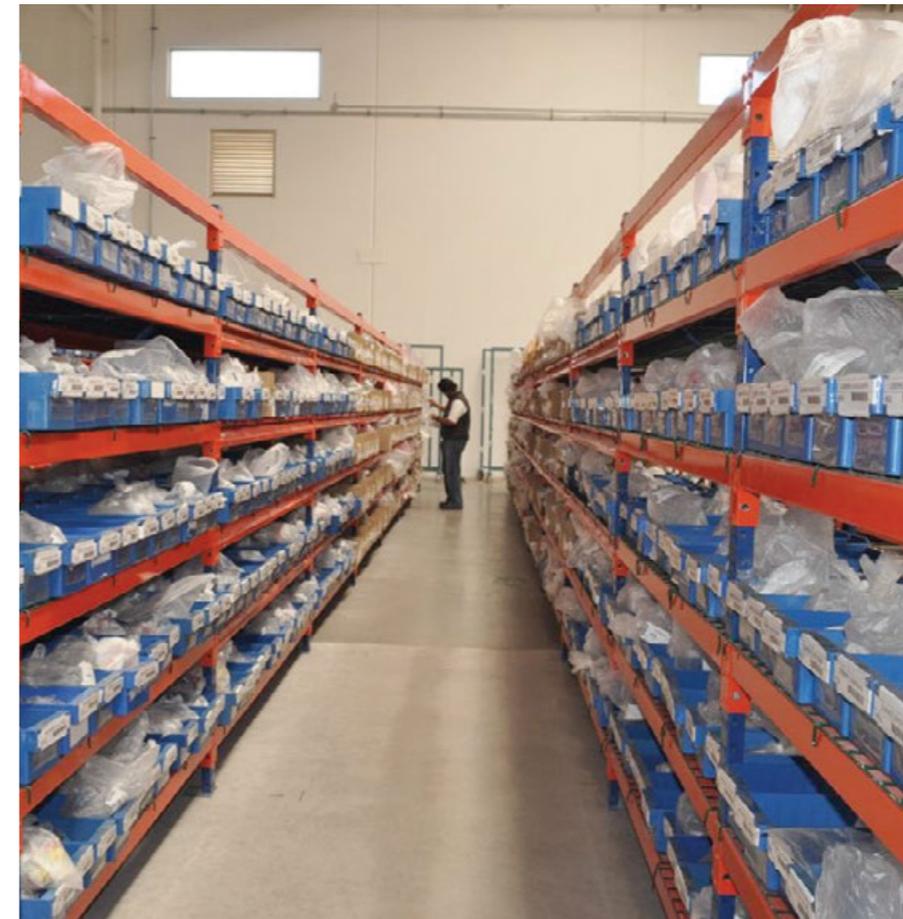
Bombardier Aerospace

Quality certification

AS9120

Equipment

3PL services
Kitting
Storaging
Procurement
Planning



International presence

Headquarters in Arlington, Texas.

Several offices in USA.

Offices and/or representatives in Canada, Europe, Asia and Africa.



www.aamec.mx
contacto@aamec.mx

AAMEC is a company that offers, to the industrial sector of the region, machined components covering the features required by our customers. We place special emphasis on enriching our relationships with customers and suppliers promoting an efficient and competitive industrial base in order to contribute to a better quality of life looking out for the welfare of its employees and contributing to the economic development of Mexico.

Our main activities are focused on the manufacture of machined components in aerospace and automotive industry, such as mounts, tooling and devices used in the industrial sector as well as the repair and manufacturing of machine components, in addition to providing CNC programming the aerospace industry using a CAD-CAM tool (Catia)



Products/Processes

HAND TOOLS

Tools made especially for riding and aircraft parts that meet a specific function.

TOOLS FOR FORMING

These are tools and special surfaces shaped to conform to aircraft parts made from sheet or foil.

TOOLS FOR MACHINING

Are used to secure aircraft parts when subjected to a machining process.

SPECIAL TOOLING

Refers to devices that are designed to perform a specific function and to be manufactured by a machining process.

CNC PROGRAMMING

This is a service we offer to both sectors and refers to computer-aided manufacturing, also known as CAM, our tool is the CATIA software that allows us to create programs for manufacturing complex parts of the art CNC machines.

TOOLS FOR FORMING (DIES)

Employees to form surfaces and shapes.



Sierra Zimapan No4
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services@addaviation.com
www.addaviation.com

ADD Intelligence In Aviation SA de CV is an Engineering Aviation Centre specialized in multidisciplinary aerospace and aviation Maintenance Engineering Services.

Contractual and regulatory advisory, airlines assistance, aircraft physical inspections, aircraft records inspections.

Our technical and engineering services provide our customers support in their decision making process for aircraft acquisitions and entry into service. The appropriate level of onsite technical support for aircraft entry into service will be evaluated along with recommendations to optimise processes and procedures to support aircraft entry into service.

ADD employs aviation professionals with a wide range of technical consulting expertise as well as regulatory management solutions focused on the needs of each individual client.



Products/Processes

Engineering and Continuous Airworthiness Support, Aircraft Records Digitation, Aircraft Delivery and Redelivery management

Main customers

Volaris, ITR, Avianca, Interjet, Airbus-Aeroconseil, Aircraft Lessors and Lessee.

Key capabilities

Aircraft delivery and redelivery projects
Aircraft Physical Inspections
Aircraft Records Inspections
Records Digitation

Equipment

ADD employs aviation professionals with a wide range of technical consulting expertise as well as regulatory management solutions focused on the needs of each individual client.

International presence

Mexico, Chile, Brasil, Kenia, Emirates, France, Canada, USA, Czech Republic, Argentina, England.



Prolongación Tecnológico #950,
Piso 8. Colonia San Pablo.

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www.aeroconsulteck.com

Aeroconsultek is a Mexican consulting company established in Queretaro to serve the aerospace Industry.

It was founded on the principle that experts in aerospace should provide their clients with advanced, long-lasting innovative and simple solutions. Our deep knowledge and understanding of the aerospace industry requirements combined with the identification of actual needs, will allow to design and implement improvement and reinforcement plans of all weak areas of our customers' organizations, through a range of services offered such as design of Quality.

Management Systems, Analysis and Improvement of organizational processes, Manufacturing Engineering and Programming, Costs Estimating and Methods, Training of internal Auditors, Inspectors, etc.



Products/Processes

Aeroconsulteck provides services for manufacturing and quality systems developments in the aerospace industry, training and solutions to maximize organizations processes, productivity and profitability. With over 25 years' experience in the north-american Aerospace Industry, Aeroconsulteck provides tailored solutions made out of a range of services related to Quality, Manufacturing Engineering and Improvement of organizational structures. will guide your organization to maximize its processes, profitability and productivity.

Main customers

CIATEQ (PROCEI program - 22 PYMES development of the QMS to become AS9100 certifiable), Training and Workshop offered to PCC Aerostructure, CIDESI, Tecnum, DGAC, etc. With over 25 years' experience in the north-american Aerospace Industry, Aeroconsulteck provides tailored solutions made out of a range of services related to Quality, Manufacturing Engineering and Improvement of organizational structures. Aeroconsulteck will guide your organization to maximize its

processes, profitability and productivity.

International presence

Our specialists' key strengths are: team building, leadership, exceptional ability to train and communicate complex concepts necessary to motivate and guide customer's personnel to meet objectives with deadlines. Besides its basic team of professionals, AEROCONSULTECK has vast networking of international Professionals that can be integrated for any particular customer's project.



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Col Niños Héroes,
Queretaro, Queretaro
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iarista@cartech.com
www.cartech.com

Carpenter (NYSE:CRS) is a leader in the development, manufacture and distribution of cast/wrought and powder metal stainless steels and specialty alloys including high temperature (iron-nickel-cobalt base), stainless, superior corrosion resistant, controlled expansion alloys, ultra high-strength and implantable alloys, tool and die steels, and other specialty metals as well as cast/wrought titanium alloys.

Products/Processes

Specialty Alloys : Stainless steel,
Nickel alloys, Titanium alloys,
Powder steels

Special Steel: Low alloy, Tool
steel, Non ferrous

Engineering Products:
Aluminum alloys (Alumold),
Cutting Tools (Kennametal,
Ceramtec), Saw Blades (Wikus),
Engineering Plastics (Nylamid)

Quality certification

ISO 9000, AS9100, NADCAP

Key capabilities

Specialty alloys and special
steel: bars, sheets, rounded,
plates.

Cutting Tools: Inserts, Saw
Blades.





**CENTER OF ENGINEERING
AND ADVANCED TECHNOLOGY**

Amado Nervo 41 Int. 10,
Los Alcanfores
Querétaro, Querétaro.
CP 76150

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ventas@ceat.com.mx
www.ceat.com.mx

CEAT offers high precision mechanical projects for assembly, welding and manufacturing purposes. Also provides the best solution with an experienced team in design and manufacturing.

Products/Processes

Proyectos llave en mano, desde un diseño conceptual hasta un producto final. Diseño y fabricación de herramientales y dispositivos. Modelado 3D, layouts, análisis de elemento finito e interpretación y definición de tolerancias geométricas y dimensionales.

Turn key projects, from a conceptual design to a final product. Tooling and fixtures design and manufacturing. 3D modelling, layouts, finite element analysis and GD&T (Geometric Dimensioning and Tolerancing) interpretation and definition.



Main customers

Manufacturing and Assembly plants, Automotive, Aerospace and Metal-mechanic sectors

Key capabilities

Finite element analysis, focus on design and simulation, Geometric Dimensioning and Tolerancing experience and knowledge.

Equipment

Workstations with Solidworks
CNC
Conventional milling, drilling, boring and honing tools
MIG welding



Calle Lluvia #85
Fracc. industrial La noria
CP 76240
El Marqués, Querétaro

+52 (442) 483 0655
info@dhinternational.com.
mx
www.dhstools.com

DHS is a leading value-added distributor of tools, cutting tools, abrasives, tapes, EPP, MRO and other industrial consumables, specialized in the Aerospace Industry. We are located in Queretaro, Mexico and headquartered in Quebec, Canada as Groupe LD.

We only offer the best tools available in the market, customized technological solutions, service & repair centre, and value-added services, with the objective of reducing the overall cost of operation of our customers.

Products/Processes

Value added distribution of tools, cutting tools, abrasives, tapes, EPP, MRO and other industrial consumables. Tools include ADE

(advanced drilling equipment), pneumatic, electric, hydraulic, electronic, torque, metrology, precision, airline accessories. VMI, Vending Machines, Tool & Repair Centre.



Main customers

Bombardier aerospace, Bombardier transportation, Airbus/Eurocopter, Aernnova, Latelec/Latecoere, BRP, UNAQ, Zodiac, Textron Bell, Beechcraft

Quality certification

ISO 9001

Key capabilities

VMI, Vending Machines, Advanced Drilling Equipment projects, Service & Repair Center, Turnkey Systems, Savings Projects

Equipment

Tools, cutting tools, abrasives, tapes, EPP, MRO and other industrial consumables. Tools include ADE (advanced drilling equipment), pneumatic, electric, hydraulic, electronic, torque, metrology, precision, airline accessories. VMI, Vending Machines, Tool & Repair Centre.

International presence

Canada, USA, Mexico.



Prolongación Av. Tecnológico
Norte # 801
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www.gpsi-intl.com

Global Partner Solutions focuses on helping Aerospace Customers and Suppliers overcome the challenges of ramp-up and to meet their delivery, cost and quality obligations.

The global aerospace market demands long-term Customer/Supplier relationships; as Supply Chain Specialists we generate sustainable environments for communication, growth and improvement.

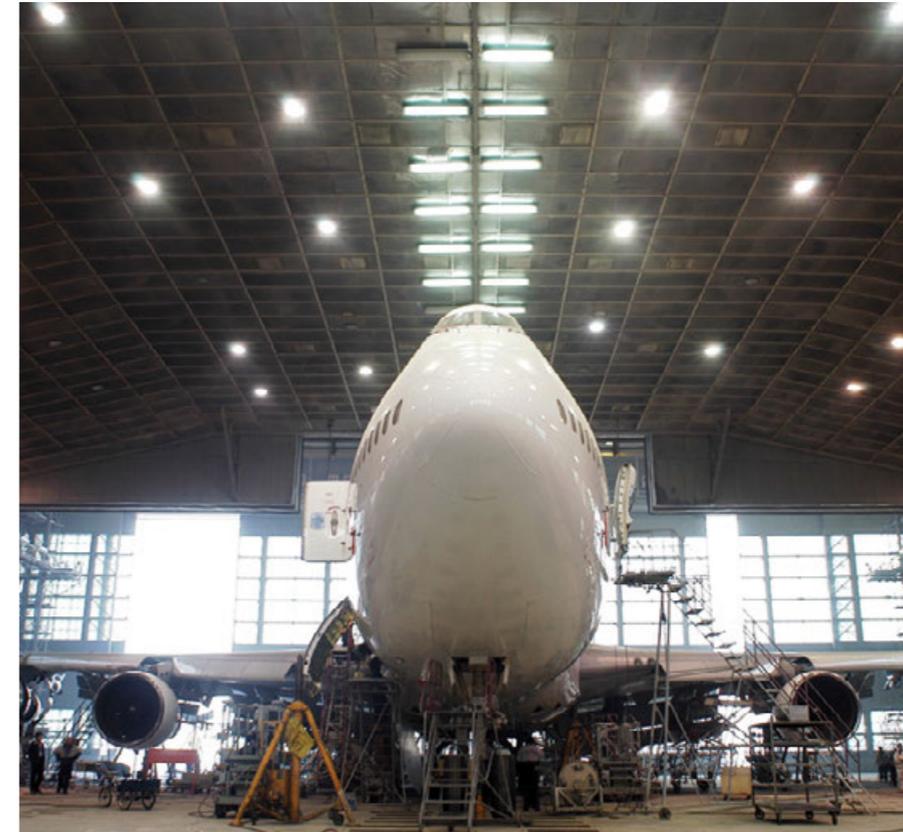
A global organisation with offices around the world, we provide high quality, experienced aerospace personnel who are local to our clients; saving them time and money.

Products/Processes

Our recruiting methods surpass any others due to the understanding of the industry and our specialized technical recruiters. Management has worked at all levels within the industry occupying a variety of positions allowing us to have a better understanding of the job requirement and as a result having the best candidate selection on the market.

Key capabilities

- Improved Delivery Performance and Lead-Times
- Recovery of Critical Situations to Schedule
- Implementation of Sustainable Solutions for Recurring Problems
- Enhanced Supply Chain



Reliability & Predictability

- Improved Communication and Visibility of Ongoing Performance
- Low Cost Suppliers and Strategic Alliances Developed
- Worldwide contract or permanent Specialists to match your needs

International presence

Canada, China, Mexico, United Kingdom, United States.



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El Marqués, Querétaro.
CP.76246.

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www.gonzalezaerospace.com

Since 1975, the Gonzalez family of companies have strategically grown to become a leading turn key factory integrator for the transportation industry; Specializing in Tooling & Industrial Automation Providing Design, Engineering and Manufacturing of Assembly Tooling, Fixtures and Jigs.

Leica Laser Tracker Systems for three dimensional Measuring, Maintenance, Repair, Certification and Calibration.

A diverse team of engineers provide unrivaled expertise in the concept development, system design, simulation, and integration of systems that provide solutions for your toughest manufacturing challenges.

Superior Project Management & Customer Satisfaction Communication and transparency are not just a requirement, they are part of the Gonzalez Group's DNA. Certified Project Managers supported by the industry's finest online Project Management System guarantee that every project is successfully delivered



Products/Processes

- Tool Design and Engineering
- Fabrication and Machining
- Assembly Tooling
- Facilities Equipment
- Transport Fixtures
- Material Handling Equipment
- Work Platforms, Balconies, Stairs, etc.
- Trim and Drill Fixtures
- Robotic Work Cells
- Automated Assembly Systems
- Vision Assisted Robot Guided Drill/Fastening Systems
- Laser Tracker Capability - Certification
- Extensive Local Supply Chain to support large fabrication and machining requirements
- CAD systems

Main customers

Aernnova, Airbus, Beechcraft, Bell Helicopter, Bombardier (Canada, USA and Mexico), Embraer, Goodrich ,ITR/ITP Group, Sermati, Sikorsky, Visioneering

Quality certification

ISO 9001 : 2008
AS 9100 - Rev C
ISO 14001 Certified
Key capabilities

Manufacturing of Assembly Tooling, Fixtures, Jigs, Mezzanines, Scaffolding, Carts, Transportation Dollies, Templates.

Leica Laser Tracker Systems for three dimensional Measuring, Maintenance, Repair, Certification and Calibration.

Equipment

3 and 4 Axes Machines, Boring MILL, Bridgesports engine lathes, Lathe machines, Line burners, Mig welders, Milling machines, Mitering band, Saw, plasma cutter.

International presence

Facilities in USA and Mexico. Strategic Alliances in Canada and France



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info@hemaq.com
www.hemaq.com

Since 1988, Hemaq provides Qualified Solutions in High Precision Machine Tools. Our team of technical professionals aggregates up more than 600 years of experience, allowing us to provide productive, efficient and cost-effective proposals.

Products/Processes

The best of Global Technology
Customized solutions
Automation
Stand Alone Equipment
More than 15 partners in industry leading technology
Turnkey Projects

Main costumers

Aerospace, Automotive,
Agricultural, Fluids, Power
Generation, Oil, Mold,
Construction, Dies, Medical,
Electronic

Key capabilities

+3500 CNC machines installed in Mexico
Predictive, preventive and corrective maintenance programs
Spare parts inventory
Atención Plus 24/7, our exclusive customer service program available since 1994
Guaranteed presence within 24 hours
National coverage with offices in key strategic locations

Quality certification

ISO 9000:2008
AS9100 Rev. B





Retorno El Marqués No. 3
Parque Industrial El Marqués
C.P. 76010
Querétaro, Querétaro

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centro.tecnologico@singlesourcetech.com
www.makino.com

Makino's Querétaro high end facility is located in the Best Industrial México Growing Area, within access from All México Industrial Cities. The 7816+ square-foot facility houses sales and technical support. The showroom features machines for high-speed milling applications and EDM. It integrates a full-equipped Tech Transfer oriented infrastructure to accommodate seminars, technical training and trade association meetings, all with Spanish and English Spoken Staff.

A leader in advanced machine tools, Makino offers you a wide range of precision metal-cutting and EDM production machinery, including horizontal machining centers, vertical machining centers, graphite machining centers, and wire and Ram EDM.



Products/Processes

Makino in México offers to our customers the complete line of Makino machines, HMC, VMC and EDM, also Maintenance, Engineering Services, Support, Parts and Consumables.

Quality certification

ISO 9001, ISO 14001

Key capabilities

Turnkey projects, Engineering Services, Tech Transfer capabilities, Test Cut, Support.

Equipments

Our Show Room has 4 high end fully functional Makino Machines for cutting metal.

International presence

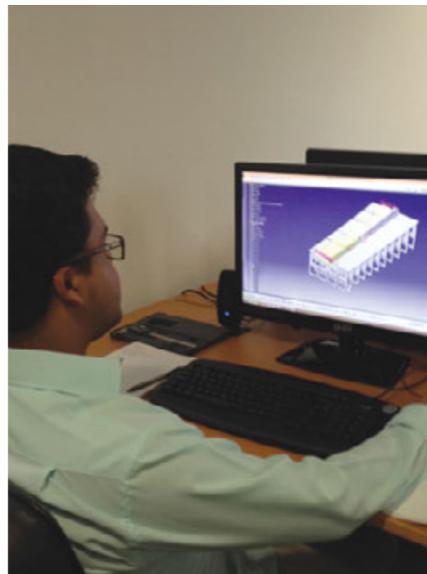
Makino as a worldwide company has presence in México (Querétaro) as a part of Americas Division, Europe, Asia and Japan.



Avenida Peñuelas n°21
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San Pedrito Peñuelas, Querétaro

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www.myc-aeronautica.com

MYC is a young and dynamic Spanish loan capital company, which has high quality staff with a lot of experience in aerospace trend. We are capable to perform and accomplish big and complex projects, giving an integral service for our customers, such in the design area and tooling manufacturing as in the aerostructure and cabling montage. Our main values are quality, customer services, expertise about the present trend, commitment, dedication and devotion for our job, giving all these values to solve the customer needs.



Products/Processes

Tooling design and manufacturing for Aerospace Industry, Aerostructures for aircraft assemblies, manufacturing of composite material pieces, transportation, surface treatments and testing processes, etc. Aerostructures and cabling aeronautic montage.

Main customers

Airbus, Airbus Military, Iberia, Aernnova, Alestis, Aciturri, Latecoere, etc.

Quality certification

ISO 9001, AS9100.

Key capabilities

Design, Tooling, Structural Mounting, Cabling Mounting, Laser Tracker, etc. Equipment

Design Software Catia V5 R22, Laser Tracker Faro. Manufacturing management for all kind of tooling in 3 and 5 axes, welding and sheet metal, grinding, assemblies, etc.

International presence

Getafe, España y Queretaro, Mexico.



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Since 1978, Serviacero Especiales has specialized in the distribution of alloyed steels, measuring equipment and engineering plastics for industries such as automotive, agro industrial, food, aeronautic, energy, appliance, mining and plastic.

We offer a wide variety of products and services through our highly qualified personal focused on exceeding our customers' demands.
We guarantee our processes and are ISO 9001:2008 certified.

Products/Processes

- Titanium alloys
- Nickel-based alloys & Super alloys
- Stainless steel
- Aircraft quality steels
- Carbon steels (SBQ) and tool steel
- Measuring Equipment
- Products
- Engineering Plastics • Sawing (up to 42" x 42")
- In house Stocking

- Just in Time programs
- Inventory Management
- Long term programs
- Technical assistance in material selection

Quality certification

ISO 9001

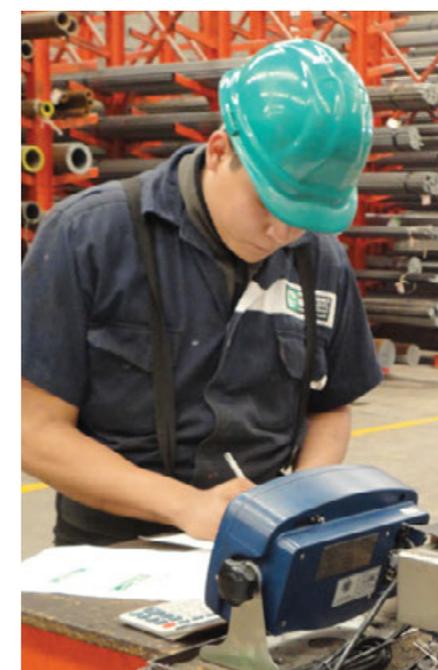


Key capabilities

- Sawing (up to 42" x 42")
- In house Stocking
- Just in Time programs
- Inventory Management
- Long term programs
- Technical assistance in material selection

International presence

Automotive (NISSAN, GKN, TREMEC, AAM, HONDA)
Aerospace (KUO Aerospace, Bombardier, Safran Group)





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Innovation and Design Based on Simulation Solutions Leading provider in México. 25 years of experience. Leading provider of Simulation Consulting Services. Supercomputer Center. Founded our own University where we educate Engineers with focus on Design and Simulation. Founded a Technology Park where new and established companies are creating new products and processes.

Products/Processes

CATIA PLM Software, ANSYS Simulation Software Solutions, Certified Training, Consulting Services, Finite Element Analysis Consulting Services, Computational Fluid Dynamics Consulting Services. Areas of speciality: Structures, Manufacturing Process Simulation, Operation Based on Simulation, Software Development, Combustion, Thermodynamics, Aerodynamics, Optimization of Processes, Efficient use of Energy.

Main customers

SAFRAN, GE, Aeronnova, ITR, Labinal, Kuo Aerospace, Oaxaca Aerospace, Conacyt Centers, CIDESI, Ciateq, Academic Customers, PEMEX, IMP, etc.

Quality cetification

AS 9000 in process

Key capabilities

More than 100 experts many with P.H.d's from the best Universities in México and abroad give us the capability to react fast and efficiently to your most demanding Design challenges.



Experts in Mechanics, Chemical, Rheology, Mathematics, Software Development, High Performance Computing, Electronics and Training.

Equipment

Supercomputing Center with more than 1300 Cores and 4 TB of RAM Memory, CATIA, ANSYS, CFX, Fluent, High Performance Workstations, High Performance Computing, Rapid Prototyping, Training Centers.



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1+300 Conjunto Industrial
"P.K.Co" Nave 12-N Ejido El
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STR Precision Finishers S.A. de C.V., is a Mexican company offering specialized Metal Polishing / Finishing services to the Aerospace, Turbine and Automotive Industry in México. Although the company was recently established in México in 2013, it is associated to SVH Quality Inspection Services LTD. A company with 20 years of experience and specialized knowledge from the United Kingdom. It is our knowledge and expertise in this field which makes us unique in the service we provide.

Products/Processes

Metal polishing where high quality and technical knowledge are paramount. In aerospace components and turbines: in titanium, aluminum, nimonic material, inconel, stainless steel, and steel mixture products. Deburring of castings and automotive components

Key capabilities

- Metal polishing / Surface finishing
- Aerospace Inspection
- F.A.I. and Quality Inspection to AS9102
- Source Inspection and Surveillance Auditing
- Support in Sops / Method Procedures / 5S / 8D and Quality Issues.
- Project Management

Equipment



Manual / metal finishing tools IE - air motor tools, electric grinders / surface finishers, inspection gauge equipment.

International presence

SVH Quality Inspection Services LTD, Gloucester-United Kingdom
STR Precision Finishers S.A. de C.V. Querétaro - México.

TECHFAB

Gundrill | Outillage en aéronautique | Outils de coupe

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www.techfab.com

Recognized for the excellent quality of services offered to its clients, TechFab Inc. specializes in the machining and tooling of industrial parts with a strong expertise in aerospace. Through its level of proficiency, built from more than 20 years of experience and constant pursue of quality and reliability, TechFab is proud to announce its reception of the AS9100C certificate. Its vast range of deliverables, strategic customer service, effective listening and team spirit allow TechFab to answer all customers' needs in an efficient and personalized way. This know-how elevates TechFab to the position of a renowned leader and specialist in Gundrilling and Cutting Tools throughout all of North America. By working closely alongside its clients, TechFab offers a customized service for the conception and fabrication of all projects. Its qualified team, backed by the latest technologies on the market, is the pride and prominent asset of TechFab Inc. - See more at: www.techfab.com



Products/Processes

Aerospace Tooling, Tracker

Laser

Key capabilities

Machining, Welding, Laser Tracker, Tool Designer

Main customers

Bombardier, Safran, PCC

Equipment

CNC Machines 5 axes, Welding, Laser Tracker Catia V5

Quality certification

AS9100C



Tecnica test, S.A. de C.V.

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www.tecnicatest.com

Tecnica Test offers quality control equipment to the industry. For NDT - Eddy current, ultrasonic, penetrant liquids, magnetic particles and X-ray testing. For material analysis - Optical and electronic microscopy, image analyzers, spectrometers, XRF analyzers and metallographic sample preparation equipment. For dimensional metrology - CMM (Coordinate measuring machines), optical measuring machines, measuring arms, laser and white light scanners, form metrology and optical comparators. For mechanical testing - universal machines, hardness tester, ambient chambers and vibration testing.



Products/Processes

NDT - Non destructive testing
Material Analysis
Dimensional metrology
Mechanical testing

Main customers

Manufacturing and Assembly
plants, Automotive, Aerospace
and Metal-mechanic sectors

Key capabilities

More than 30 years of
experience in the market. High
quality brands.

Equipment

Eddy current NDT equipment
for testing.
Demo Ultrasonic equipment.



Prolongación Tecnológico
Nte 801 -
Primer nivel. San Pablo.
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TeraSigma Consulting is a company of consulting and engineering services with high added value, focusing on aerospace and Lean Six Sigma. It is our goal to help develop client projects, providing engineering, statistical quality control, project management and statistical studies with world-class quality to position Mexican engineering and services among the best in the world.

Founded on the solid experience in performance analysis of aircraft engines and Six Sigma certifications of our collaborators, TeraSigma has developed two lines of business: TeraSigma Engineering, engineering and analysis services to the aviation industry, and TeraSigma Consulting, providing implementation services Six Sigma methodology in companies of various industries.

Based on the popular saying “change or die”, TeraSigma proposes a new way to manage people, projects and processes, centering the decision driver on how people can better collaborate to foster full commitment, efforts and results to project objectives. This applies both to our collaborators and our customers.



Products/Processes

TeraSigma's experience enables our team to perform Aircraft Engine, Aeroderivative Gas Turbines Performance Analysis and Trending, Advanced Statistical Data Analysis, Six Sigma and Open Innovation. We can help your organization to increase its data analysis capability, by adding Engine Performance and Aerothermodynamics knowledge.

Key capabilities

- Engine Health Monitoring and Post Overhaul Test data analysis and trending.
- Aircraft engine performance analysis, for large and small bypass turbofans, turboshaft and turboprop engines; for both single engine and complete fleets.

- New production and overhauled engines monitoring and troubleshooting; deterioration and off design performance analysis.

- Engine Test Cell Correlation (ie. turbofan test cell, where the main correlated parameter is thrust) and turboshaft test cells calibration (ie. measured parameter is SHP in a dynamometer).

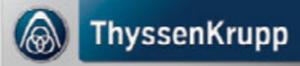
Equipment

Red Hat Linux 6.0 Server

International presence

France, Spain, USA, United Kingdom

ThyssenKrupp Aerospace
TMX Aerospace



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The focus of ThyssenKrupp Aerospace is to optimize material and information flow for our customers' supply chain. This includes the coordination of material procurement, storage, processing, packaging and delivery functions for the world-wide aerospace community. We offer the widest selection of alloys and sizes of aerospace aluminum and related materials in the industry. Using state-of-the-art order management, purchasing and warehousing systems, together with unmatched logistical support, we'll help you create a flexible, agile supply chain that will exceed your expectations now and into the future.



Products/Processes

Aluminum, Steel, Titanium, Nickel, Bronzes, Copper Alloys in sheets, plates, extrusions, tubes and bars. We also provide logistics services such as: 3PL, JIT, Cut to Size, Kitting, etc. All of our service solutions are customizable for each customer's unique requirements.

Main customers

Bombardier, Alaxia, Tighitco, Kaman, Arnprior.

Quality certification

Certificaciones de calidad AS9100, AS9120 y Bombardier "D"
Quality Standard AS9100, AS9120 and Bombardier "D".





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Valbruna México is the service center of Acciaierie Valbruna (Italy), we provide long products long in stainless steel, nickel alloys and titanium to the Mexican market. AcciaierieValbruna founded in 1925 and leader in the production of long products in stainless steel and nickel alloys, presents also a selected range of titanium products and special steel for aerospace applications.

Products/Processes

Stainless Steel bars: 303, 304L, 316L, 310, 321, 347, 17-4PH, S15500 (15-5PH), XM-32, S66286, N06625, 410, 416
Ti- Alloys bars: T16Al4V (Grado 5)
Nickel alloys bars
Iron-Nickel- Chromium alloys bars

Main customers

Frisa, Eagleburgmann
Production Center, Pentair
Valves & Controls México

Quality certification

ISO 9001:2008, AS 9100, ISO/IEC 17025, Nadcap AS 7003



Key capabilities

Valbruna, with three production plants two in Italy (Vicenza & Bolzano) and one in USA (Fort Wayne, In) is underpinned by long experience and highly qualified customer service. Our extensive and strategic distribution network is our corner stone in global market, granting a worldwide commercial presence as well as continuous feedback with our customers.

Equipment

Valbruna Group has all equipment whole production cycle from melting (included ESR and VAR) and finishing as well as to distribution network.

International presence

MILLS: Vicenza & Bolzano (Italy) Fort Wayne (USA)
WAREHOUSE: Europa: Italy, Germany, France, England, Spain, Ireland, Denmark, Switzerland, Netherlands, Poland, Finland, Sweden , America:Canada, USA, México (Querétaro), Asia- Oceania: Hong Kong, Australia, Malasia, UAE