

ENGINEERING & MANUFACTURING

High performance plastic and composite solutions for OEMs.

AUTOMOTIVE
AEROSPACE
ELECTRONICS
ENERGY

MEDICAL
INFRASTRUCTURE &
CONSTRUCTION



PLADESAN
SERVICES

pladesan.com

ENGINEERING SERVICES

CAD, CAM, CAE

High performance and special applications

Metal replacement

Relevant experience in all services we provide

MANUFACTURING SERVICES

CNC milling and turning

Composite machining

Injection mold tool making

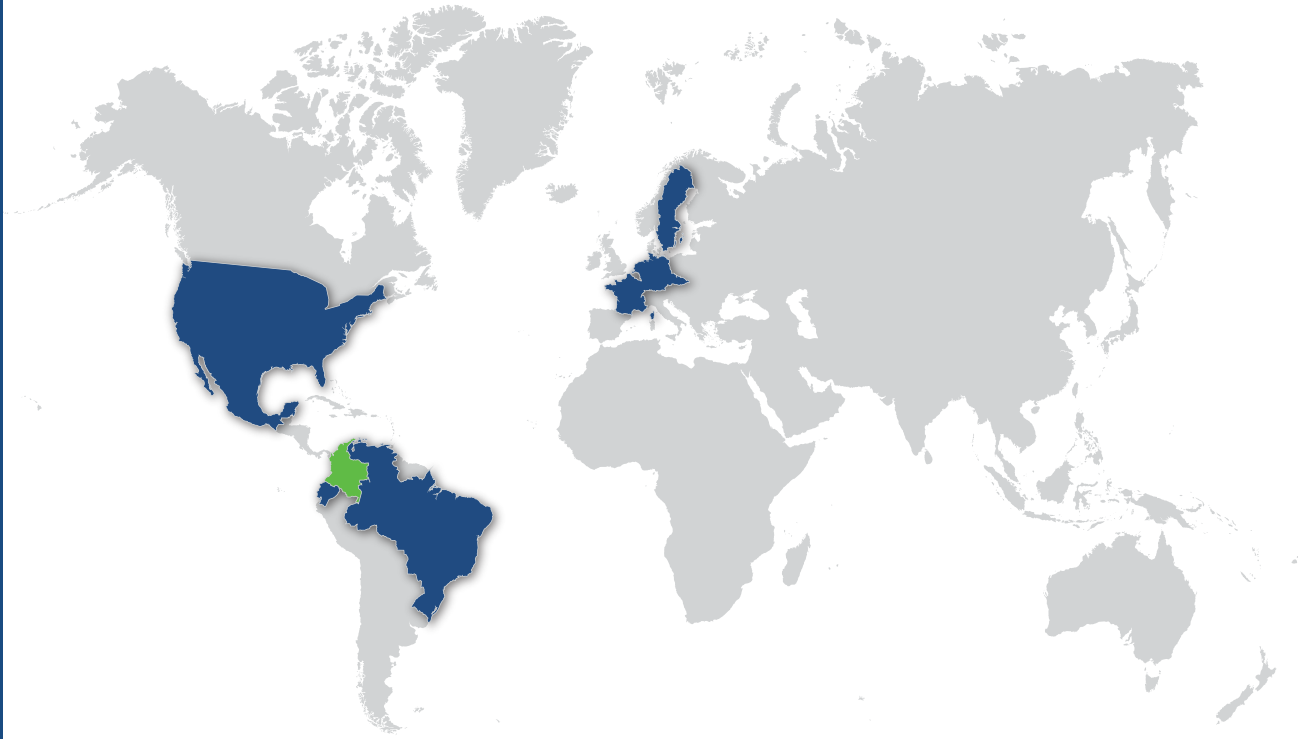
Injection molding



OUR SERVICES

- High customer-supplier responsiveness.
- Working when you need us most. EST time zone.
- In-situ services available.
- Low to High volume flexibility.
- Direct engineering support.

AROUND THE CORNER - SUPPORTING YOU...



Locations with current commercial relations.
(import / export operations)

**Production Facility: Bucaramanga, Colombia.*

51 years of qualified post-sale support. 13 years as North America direct aerospace supplier. Many long term personnel providing solid knowledge and integrity. ISO 9001 Quality Management System.

Integrated information systems supporting all service stages.

"We look forward to working with you, provide you with the best solutions, cultivate a long-term relationship..."



OUR COMMITMENT

SITE TYPE Engineering, R&D and Technical Services.
Manufacturer, Contract.

EMPLOYEES 50
(total)

D-0-0-0-0 - Manufacturing Services

D-1-0-0-0 - Machining

D-1-1-0-0 - Milling

D-1-1-2-0 - Conventional

D-1-1-3-0 - CNC - 3 Axis

D-1-2-0-0 - Turning - Horizontal & Vertical

D-1-2-1-0 - Conventional

D-1-2-1-0 - CNC - 2 Axis

D-1-5-0-0 - Electrical Discharge Machine

D-1-5-2-0 - Sink

D-2-0-0-0 - Tool Making

D-2-4-0-0 - Mold Tools

D-7-0-0-0 - Plastics, Rubber and Resin-based Composites

D-7-15-0-0 - Injection Molding 100 to 500 ton press

D-7-18-0-0 - Injection Molding up to 100 ton press

D-7-19-0-0 - Insert Molding

D-8-0-0-0 - Electronic/Electrical

D-8-11-0-0 - Specialized components

D-12-0-0-0 - Assembly

D-12-7-0-0 - Plastic, Rubber and Resin-based Composites

CAPABILITIES

TYPE OF MATERIALS

	Currently Used
Electrically conductive Composites	Yes
Elastomers	Yes
Short and Long fiber reinforced Composites	Yes
Thermoplastic	Yes
Thermoset	Yes
Aluminum	Yes
Brass	Yes
Bronze	Yes
Copper	Yes
Stainless Steel	Yes
Steel	Yes

PART SIZE (Round X-section)

	Diameter	Length	Precision
Smallest Part	< 30 mm	< 30 mm	0.02 mm
	< 1.20 in	< 1.20 in	0.001 in
Largest Part	> 0.3, < 1.0 m	> 0.3, < 1.0 m	0.02 mm
	> 1.0, < 3.0 ft	> 1.0, < 3.0 ft	0.001 in

IGES capable Yes

EXPORT MARKETS North America, South America.

YEAR OF ESTABLISHMENT 1962

AUTOMOTIVE

- Long term toughness retention
- High temperature endurance
- Hot oil and hydrolysis resistance
- Greaseless performance



SAMPLE APPLICATIONS



Fuel Filters
Insert Molding



Air Filters
Under Hood Components



Bushings
Cases

Potential
Opportunities:



Under hood, Fluid handling, Metal replacement, Weight reduction, Interiors, etc.

AEROSPACE

- Strength and stiffness for aluminium replacement
- FAR 25.853, OSU 65/65, BSS7239, ABD0031, SMP800C compliance
- Fuel chemical resistance
- Wide range of extreme performance materials



SAMPLE APPLICATIONS



Adapters
Rods



Cabin equipment



Conectors
Housings



Cabin interiors, Exterior applications, Sub systems, etc.

ELECTRONIC DEVICES

- High impact resistance even at low temperature
- UL 746C suitability
- High CTI/GWIT applications
- UL, CSA, IEC and EN flame retardant standards compliance



SAMPLE APPLICATIONS



Heat resistant panels
Assembly simplification



Measurement equipment
Portable gadgets

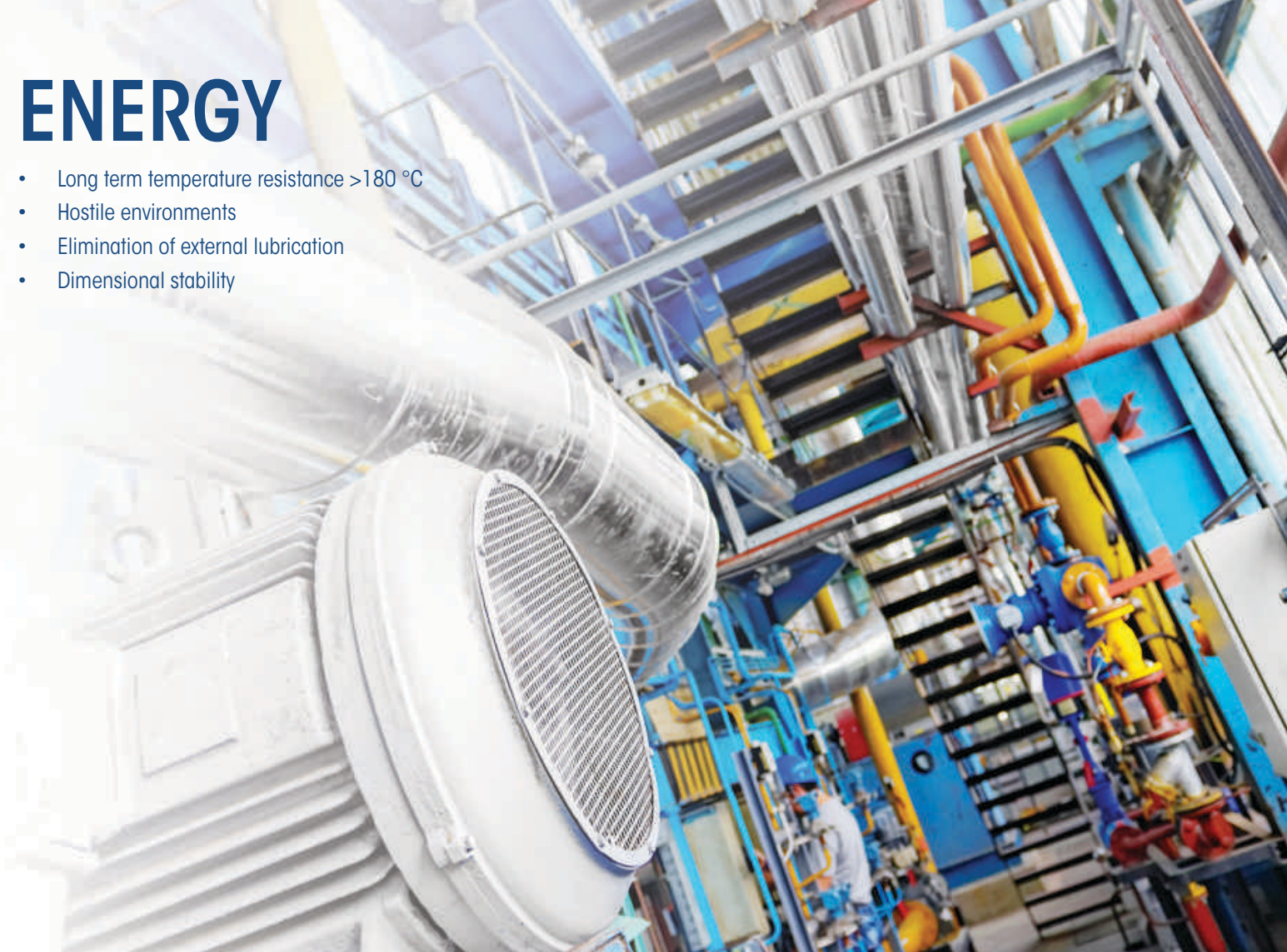
Potential
Opportunities:



Electrical, Lighting, Telecommunications, Appliances, Instrumentation, etc.

ENERGY

- Long term temperature resistance >180 °C
- Hostile environments
- Elimination of external lubrication
- Dimensional stability



SAMPLE APPLICATIONS



Pump and compressor components



Valves - Meters
Insulators



Oil and Gas, Coal, Electricity and Renewable applications including specialized equipment to smart metering devices.

INFRASTRUCTURE & CONSTRUCTION

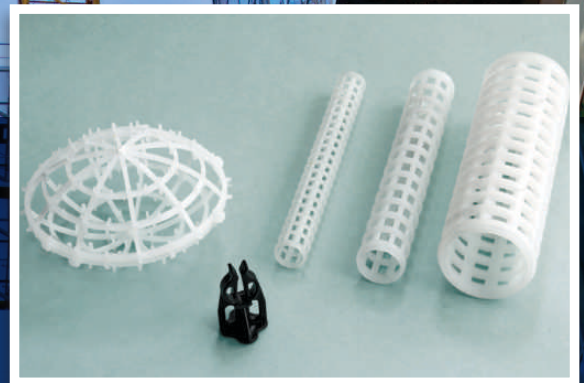
- Low temperature ductility
- Long term properties retention
- Strong UV resistance
- V-0 and 5V flammability ratings according to UL94



SAMPLE APPLICATIONS



Intricate seals
Adapters



Cores
Spacers

Potential
Opportunities:



Buildings, Transport infrastructure and Public services.

MEDICAL

- Gamma, E-beam, autoclave and EtO sterilization capable
- FDA, EU food contact, USP Class VI compliance
- Optical clarity, colorability
- Chemical resistance

SAMPLE APPLICATIONS



Soft and rigid elements
Biocompatible and sterilizable



Structural parts / Metal replacement
No secondary painting



Special application seals
Connectors, couplings and fittings



Personal care, Hospitals, Laboratories, Equipment and Instruments.

SUPPORTING YOUR INNOVATION

We know becoming your long-term partner requires rigorous work...
We will not rest until you are completely satisfied.

PLADESAN
S E R V I C E S

pladesan.com

**Please contact us for your current engineering
and manufacturing services requirement.**

You will hear from us by the next working day.

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**Many applications not included because of strict NDAs.*

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