



# PowerService

Servicios Industriales Eléctricos y Mecánicos

## PRODUCTS & SERVICES



## 1. INTRODUCTION.

POWERSERVICE S.A.S., Servicios Industriales Eléctricos y Mecánicos is a private company aimed at providing comprehensive solutions, spare parts and services for power equipment, energy production, fire fighting systems and auxiliary plant equipment for the industrial, power & oil, maritime and transportation sectors.

More than 20 years of experience in the electrical and industrial sector guarantee our specialized technical services, consulting, engineering, comprehensive “Turn Key” products, EPC, O&M, supply of equipment, parts and spare parts.

## 2. VISION.

To be a leader in the provision of comprehensive solutions, parts, spare parts and services for industrial plant equipment in Ecuador.

## 3. MISION.

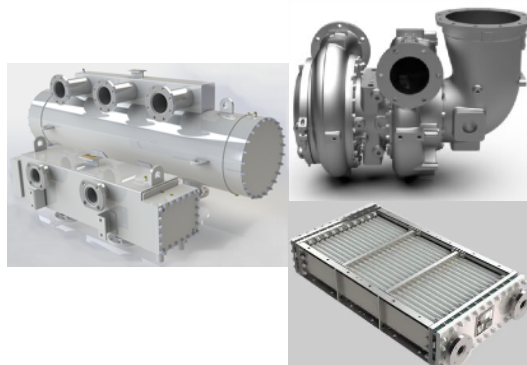
Attend and satisfy the needs of our customers, through the immediate delivery of our comprehensive solutions, parts, spare parts and services of the highest quality and their corresponding technical guarantee.

## 4. APPLICATIONS.

Our products and services are designed to be widely used in the Oil, Electrical Power Generation, Maritime and Industrial Sectors, in Internal Combustion Engines, Gas and Steam Turbines, Boilers, Pumping Systems, Compressors, Auxiliary Generators, Control and Power Boards , Protection Systems, Fire Systems, Water Treatment Systems, etc.

## 5. WABTEC CORPORATION LOCAL REPRESENTATIVE.

Since November 2023 POWERSERVICE S.A.S. is exclusive local representative in Ecuador, for WABTEC CORPORATION, that make up the international top in turbochargers and heat exchange equipments for energy, oil & gas sectors.



## 6. PRODUCTS & SERVICES.

### 6.1. Services and Spare Parts for Energy Production Systems.

Our line of specialized services and spare parts for energy production systems mainly covers steam and gas thermoelectric plants. We service boilers with all their auxiliary systems in water, steam, BMS, heat exchangers, steam and gas turbines, with the associated lubrication, control, protection systems, we provide maintenance and overhaul services, we carry out repowering projects, useful life studies, engineering, root cause analysis, assembly, installation and commissioning.

We are service providers for gas and steam turbines. We serve a wide range of models, GE Frame 5, 6, 7, 6FA, 7F, LM6000, LM2500, Pratt & Whitney FT4, FT8, ALSTOM, Franco Tosi, etc. We perform overhaul and supervise and verify major repairs in specialized workshops, we provide technical personnel supply services for routine maintenance and we attend to emergency situations on site.

We have highly trained, qualified personnel with proven expertise and experience in assembly, installation, commissioning, on-site testing, borescope service, commissioning and operation and assisted maintenance in gas turbines, steam turbines and thermoelectric plants in general.

Likewise, we serve the auxiliary systems and equipment of boilers and turbines, feed water pumps, condensate, circulation, lubrication oil purifiers, compressors, heat exchanger systems, forced draft fans, emergency generator sets, electrical protections, substations, frequency converters or low and medium voltage soft starters, etc.



**Pratt & Whitney**







A United Technologies Company



**PROENERGY**



## 6.2. Electric Engineering Services.

-  Comprehensive Solutions, Engineering, Design and Construction of industrial electrical systems and substation.
-  Engineering, Design, Construction, Assembly, Installation, Commissioning and Commissioning of Distributed Control Systems for all types of industrial processes.
-  Engineering, Design, Construction, Assembly, Installation, Commissioning and Start-up of Automation Projects based on PLC and basic instrumentation.
-  Supply of control and force equipment, materials, supplies for assembly, installation and commissioning.
-  Construction, Procurement, Assembly, Installation, Testing, Commissioning and Commissioning of Substations, Transmission and Distribution Lines, Transformers, Switches, Disconnectors, Generators and Electric Motors, Potential and Current Transformers, Electrical Panels, Manual and Automatic Transfers, Protection systems, Grounding, lighting Rods, etc.
-  Maintenance of Substations, Transmission and Distribution Lines, Transformers, Switches, Disconnectors, Generators and Electric Motors, Potential and Current Transformers, Electrical Panels, Manual and Automatic Transfers, Protection Systems, Grounding, Lightning Arresters, etc.

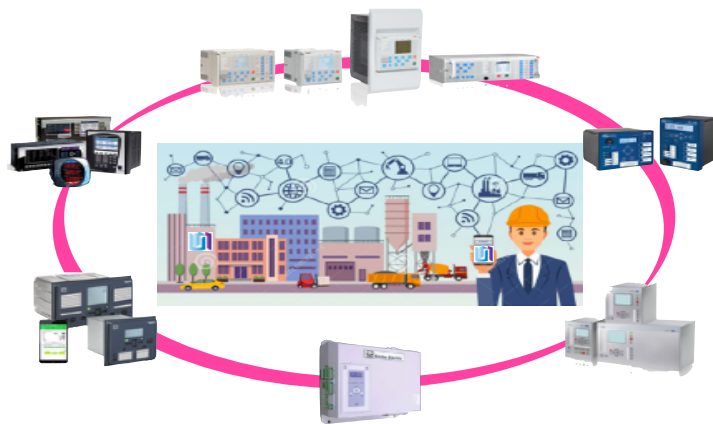


### 6.3. Electric Protection Systems.

We work with the best brands on the market for the engineering, implementation and commissioning of protection of motors, generators, transformers, industrial distribution systems, emergency generator sets, substations and the entire industry power system.

SEL, ABB, Siemens, GE, NR are the brands that have placed their trust in POWERSERVICE S.A.S. for the development and implementation of protection system projects in the Ecuadorian industry.

Our services include engineering, training, supply, assembly, testing and commissioning of protection systems.



### 6.4. Services and Spare Parts - Internal Combustion Engines and Auxiliary Equipment.

We work with a wide variety of brands and models of Internal Combustion Engines, we have extensive experience and expertise that support and guarantee our Maintenance, Repair, Personnel Training, Consulting and Advice, Valuation, Technical Management, Failure Analysis, Root Cause, Technical Supervision, Transfers, Assembly, Installation and Commissioning, Engineering, Design and Construction, Comprehensive Turnkey Solutions, Plant EPC, Industrial Systems, Auxiliary Equipment, O&M Services, Supply of Parts and Spare Parts, new and/or or manufactured, etc.

Our technicians have vast experience in the construction, assembly, installation and commissioning of generator sets and auxiliary equipment, fuel and oil purifiers, air compressors, boilers, steam systems, electrical systems, etc. We have an engineering and assembly team for the development of EPC projects. Our technicians developed Jaramijó (148MW), Quevedo (100MW) and Santa Elena (96MW), Esmeraldas II (128MW) power plants projects.

We have the best comprehensive technical solutions aimed at optimal cost-benefit performance for the industry and the energy sector, we serve and work with the most prestigious brands of internal combustion engines, our experience and international technical support guarantee our work.



## 6.5. Gensets.







We work with the main motor and generator manufacturers worldwide. Together with POWERSERVICE S.A.S. we offer comprehensive solutions for the Ecuadorian market.

We have all the main quality and management systems, such as: CE, ISO 9001, ISO 14001 and OHSAS 18001.

Backed by a professional team with more than 50 years of combined experience in the power generator industry, we produce various types of generator sets: open type, canopy type, super soundproof type, containerized type, trailer type with a power from 5 to 2500 kVA prime or stand by.



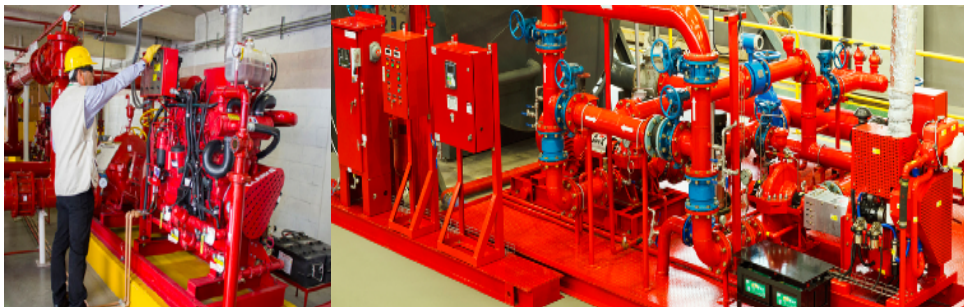
The highest competitive advantages in the Ecuadorian market.

-  High performance.
-  Best price on the Market.
-  Longer useful life.
-  Transportation, Assembly, Installation and Commissioning Included.
-  3 Months of Free Technical Assistance.
-  Support and Technical Guarantee.

## 6.6. Fire Fighting Systems.

We have extensive experience in fire protection systems, our services are always one step ahead of the industry standard. We have the support of the best brands and protection systems.

We provide design, procurement, assembly, installation, commissioning and maintenance services for fire protection systems, in accordance with updated NFPA standards and regulations.



Our innovative “anti-explosion” electrical transformer protection and fire extinguishing system is the perfect complement for your industrial facilities. The system has been installed around the world and in Ecuador it is used in the vast majority of substations and power plants.



It has a fire extinguishing system that in turn prevents the transformer from exploding. It is the ideal complement to standard fire protection systems, as it provides greater protection coverage for plant assets.

## 6.7. Industrial Maintenance, Repair and Rehabilitation Services.

Our experience in developing maintenance services led us to provide a wide variety of industrial technical services, all of them integrated with each other and aimed at optimizing and improving the reliability and availability of our clients' plant technological resources. We have a highly effective and trained technical team that, with the extensive experience accumulated in the operation and maintenance of power plants and industrial plants, allows us to offer the following services:

- 🔧 Engineering, Design, Procurement, Construction, Assembly and Commissioning of industrial systems.
- 🔧 Inspection and Maintenance of Power Systems
- 🔧 Inspection and Maintenance of Control Systems
- 🔧 Inspection and Maintenance of Fire Fighting Systems
- 🔧 Inspection and Maintenance of Heat Exchangers
- 🔧 Boiler Inspection, Maintenance and Repair
- 🔧 Engine inspection and diagnosis
- 🔧 Maintenance of Internal Combustion Engines and Pumps
- 🔧 Provision and change of mechanical seals for hydraulic system pumps
- 🔧 Manufacture of shafts or custom parts for centrifugal pumps
- 🔧 Maintenance of Turbine and Screw Type Blowers
- 🔧 Maintenance of Cathodic Protection Systems.
- 🔧 Maintenance of Air Compressors.
- 🔧 Maintenance of Structures, Chimneys and Installation of Pipes
- 🔧 Maintenance of Industrial Plant Equipment in general.



## 7. CONTACT, INFORMATION AND SALES.

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