Latin America

Customer Event Steam Turbine and Generators 2023



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Regional Presence

We are where you are!

+ 280 employees

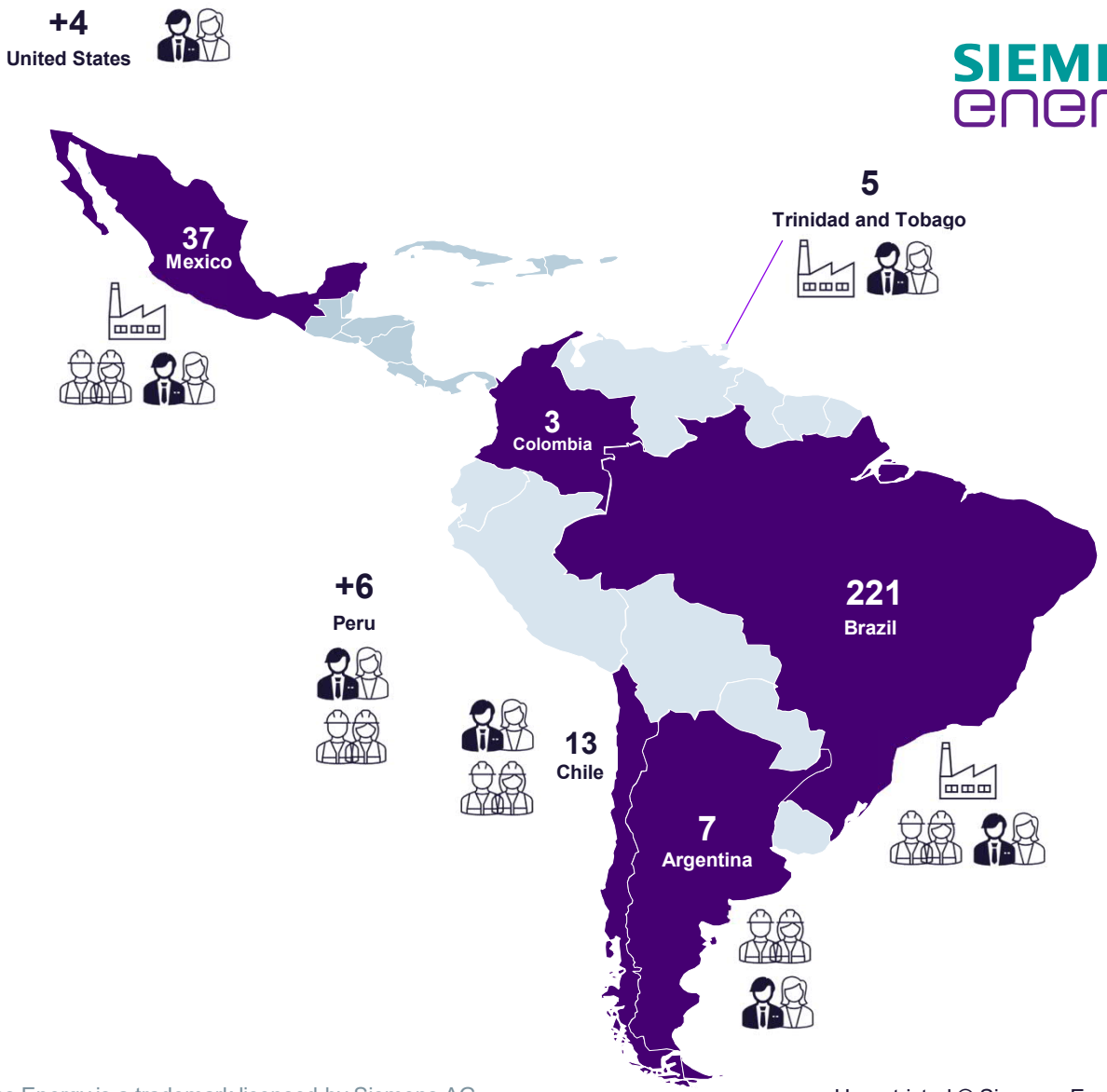
~ 5.800 equipments in operation

29 countries in our portfolio

Factory / Service Center

Field Service

Administrative Functions

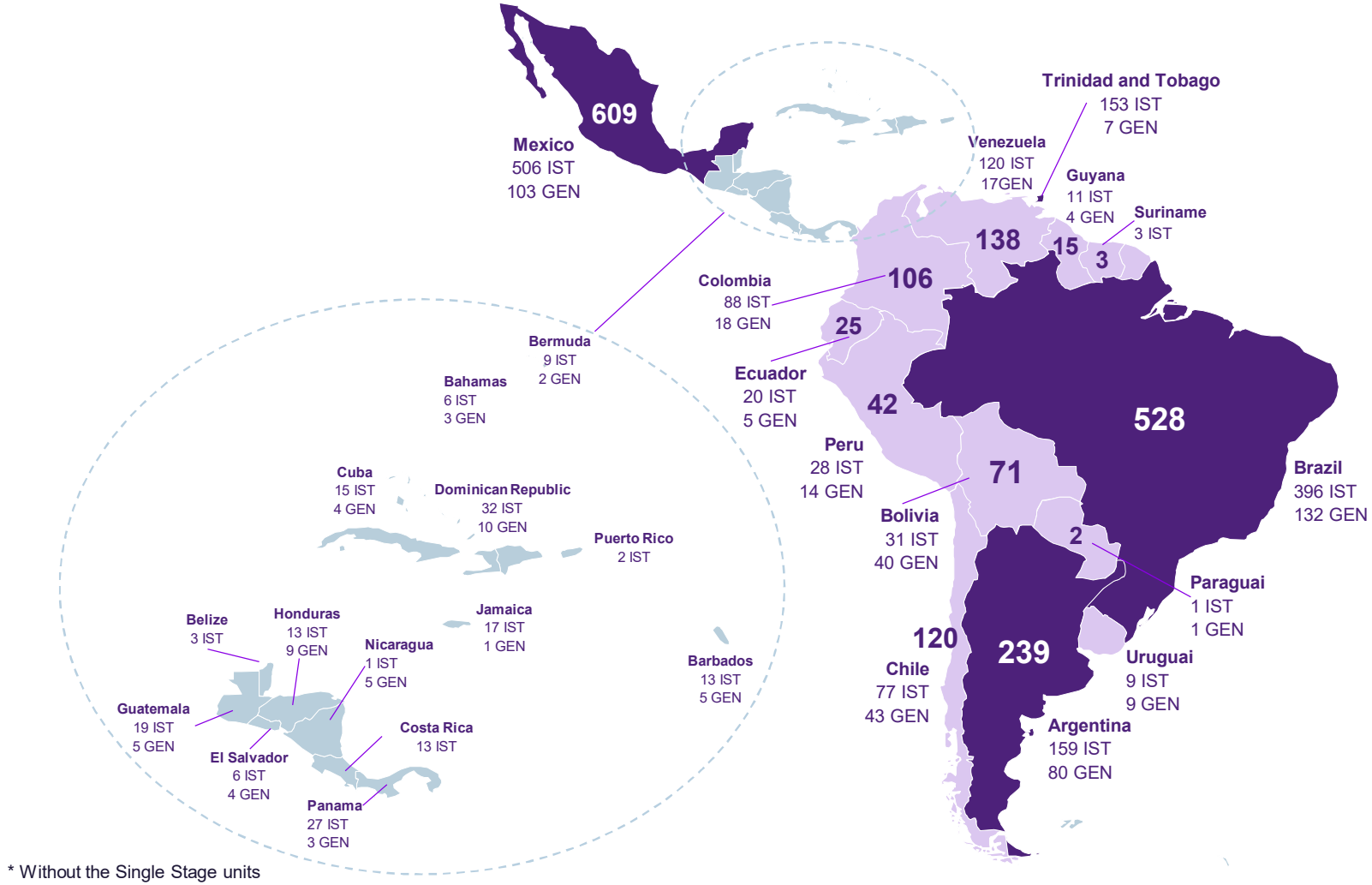


SIEMENS energy

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Served Fleet



Frame Family	Units
Delaval	33
Westinghouse Equipment	34
SST-700/800/900	44
Gearbox	135
TuG & TuW	147
Non SE	179
Houston Gimple Valves, Oberhausen and Wellsville	189
SST-300/400/600	215
Standard & Engineered Mechanical Drive	340
SST-050/060/100/200	388
Generator	520
Single Stage	3,610
Total	5,834

* Without the Single Stage units

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Regional Capabilities

Taking care of complete product life cycle from Sales to execution to Service

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Latin America Service Operations
Overview

LA Operations Footprint



Regional Highlights

- 6 Man-power hubs, providing 50+ trained and experienced Field Service resources
- Qualified providers of Field Service staff to manage peak load
- 3 Service Facilities (Brazil, Mexico and Trinidad and Tobago)
- 1 Tool Warehouse for strategic tooling
- Local team managing Parts

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Jundiaí: New Units Factory
Industrial Steam Turbines

Overview



- **Location**: Jundiaí, SP – Brazil – most developed area in the country
- **Serving:** Latin America + USA

Main Capabilities

Industrial Steam Turbines

- Products types: SST-300 / SST-400 / SST-600
- Machining of castings, including turbine casings
- Manufacturing of guide blade carriers, bearing houses and valves
- Welding, hydro test and NDTs
- High / Low Speed Balancing
- Final assembly and testing up to 50 ton
- Qualified MF support functions such as quality control, industrial engineering and logistics

Resources

Machining:

- 1 Milling Boring Machine TOS *(x:9000 mm / y:5000 mm / z:1500 mm / w:1000 mm)*
- 1 Milling Boring Machine Collet *(x: 6000 mm/ y:2400 mm)*
- 1 Milling Boring Machine Union *(x:1400 mm / y:2000 mm)*
- 1 Vertical Lathe Schiess *(y:2100 mm/ Ø:2200 mm)*

Welding:

- TIG, MAG and MIG welding

Inspection and Testing:

- NDTs
- Dimensional and Visual Inspection
- Pressure test
- High Speed Balance up to 12 ton / 6,5 m length
- 2 Low Speed Balance up to 12,5 ton / 6,3 m length

Others:

- Glass blasting / Painting
- Tooling and Metrology Room
- Crane capacity: 50 ton

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Jundiaí: Service Center
Industrial Steam Turbines

Overview



- **Location**: Jundiaí, SP – Brazil – most developed area in the country
- **Serving:** Latin America + USA

Main Capabilities

Industrial Steam Turbines:

- Products types: SST-300 / SST-400 / SST-600
- Machining of castings, including turbine casings
- Manufacturing of guide blade carriers, bearing houses and valves
- Welding, hydro test and NDTs
- Qualified MF support functions such as quality control, industrial engineering and logistics
- Fact Finding
- Repair of castings and rotors (machining, blades and seal strips replacement, welding, coating)
- High / Low Speed Balancing
- Final assembly and testing up to 50 ton

Resources

Machining:

- 3 Boring Mills: TOS, Collet and Union
- 5 Horizontal Lathes: Ø from 0,25 m to 1,1 m // length from 1,5 m to 4,1 m
- 2 Vertical Lathe
- 1 Vertical Machining Center (3-axis)
- 1 Surface Grinder Machine

Welding:

- TIG, MAG and MIG welding

Inspection and Testing:

- NDTs
- Dimensional and Visual Inspection
- Hydrostatic Test
- High Speed Balance up to 12 ton / 6,5 m length
- 2 Low Speed Balance up to 12,5 ton / 6,3 m length
- Dry gas seal static test bench
- Servo motors test bench up to 200 bar

Others:

- Glass blasting / Painting
- Tooling and Metrology Room
- Crane capacity: 50 ton
- Strip Sealing machine

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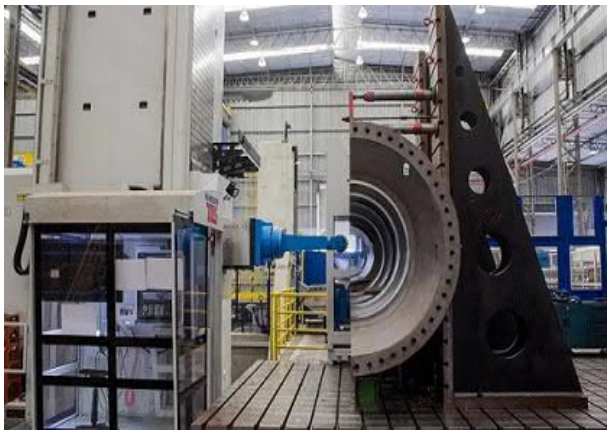
Jundiaí: New Units Factory & Service Center
Industrial Steam Turbines













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Queretaro: Service Center
Industrial Steam Turbines / Generators / Compressors

Overview



- **Location**: México, Querétaro (center of the country) – safe and developed area with good logistics
- **Serving:** Mexico

Main Capabilities

Steam Turbines
- Fact Finding
- Repair of casings and rotors (machining, seals replacement)
- Low Speed Balancing
- Final assembly up to 38 ton

TCP
- DCI phase 1 & 2
- Repairs of casings and rotors, incl. welding
- Low speed balancing

Generators / Motors
- Fact Finding
- Rotors and stators rewinding
- Electrical tests
- Main components replacement (retaining rings, couplings, slip rings)
- Low speed balancing

Resources

Machining:
- 4 horizontal lathes: Ø from 0,2 m to 2,0 m / length from 1,0 m to 9,0 m / 20 ton
- 1 vertical lathe: Ø of 2,2m, 1,7m height & max. 20 ton
- 1 boring machine: up to 80 ton components
- 1 radial drilling machine & 1 vertical drilling machine

Welding and Heat Treatment:
- TIG and MIG welding
- Gas oven (2,4 x 4,2 x 2,3 m height & 450°C)
- Electrical oven (0,8 x 1,0 x 0,8 m height & 450°C)

Inspection and Testing:
- NDTs
- Schenk Balance machine up to 4,5 ton & 1.500 rpm
- IRD balance machine up to 23 ton & 1.400 rpm

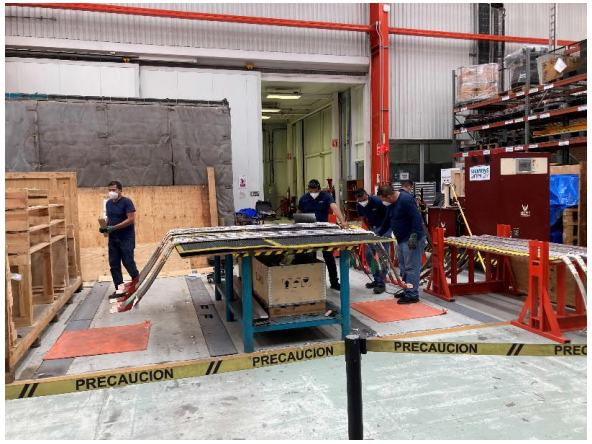
Others:
- Sand blasting / Painting
- Induction equipment (heating & brazing)
- Crane capacity: 2 overhead cranes (20/5 ton each)
- Electrical tests equipment (megger, hi-pot, partial discharge…)
- Tool rental (lifting, measurement, electrical, alignment…)

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Queretaro: Service Center

Industrial Steam Turbines / Generators / Compressors

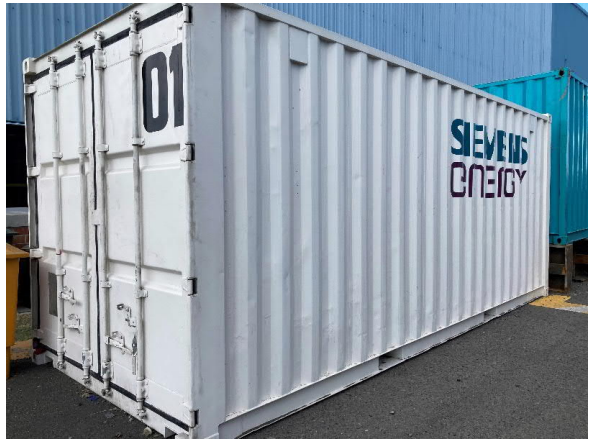












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Trinidad and Tobago: Service Center
Steam Turbines / Compressors

Overview



- **Location**: Trinidad's Petrochemical Center Point Lisas Industrial Estate
- **Serving:** Trinidad and Tobago, Guiana, Suriname

Main Capabilities

Steam Turbines / Compressors

- Complete DCI
- Wheel / Diaphragm replacement
- ERO / Mechanical run out check
- Low speed balancing
- Final assembly up to 10 ton

Resources

Machining:

- Horizontal Lathe, 28" swing / 160" length
- Mill knee, GMC5KV
- Hydraulic Test Unit for T&T valves

Welding and Heat Treatment:

- Subcontracted as required

Inspection and Testing:

- NDE (Dye / Mag); subcontracted as required. Disposal of spent chemicals not cost effective

Others:

- Dry Bead blasting machine
- Schenk, Low Speed balancing machine
- Gantry Crane capacity: 10 Ton & 5 Ton
- Pruftechnik Shaft Alignment equipment
- Hytorc machine including assorted heads and sockets
- Electric runout capabilities
- Vertical

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Trinidad and Tobago: Service Center
Steam Turbines / Compressors







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Key Take Away: Region Latin America



We are where you are

Our sales, project management and operations team are present in all the key countries where our customers have an installed base



Taking care of entire product life cycle

Right from design to sales to detailed engineering to fabrication and then onwards to after sales service : we have everything covered within the region



Ready to support the market growth & demand

Key industrial sectors like power, pulp & paper, sugar & biomass continue to grow and our team is present to support the customer demand

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Contact

Latin America



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