

Company Overview 2023



Equagen – a powerful player in key industries!

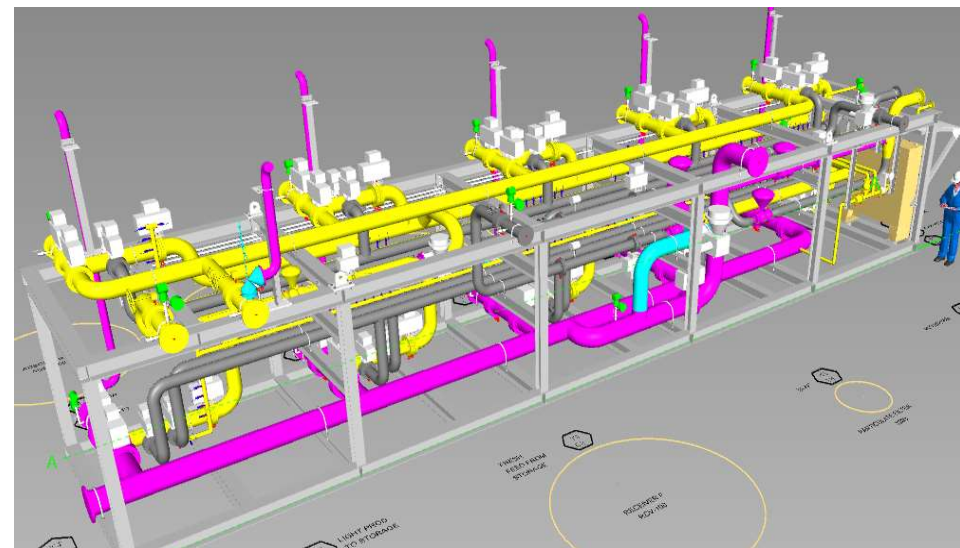
Energy Sector

- High Voltage Substations Engineering (AIS, GIS, Hybrid substations); Flexible AC Transmission Systems (FACTS with SVC's, FSC's, STATCOM's)
- Power Blocks/Fuel Storage buildings
- Power transmission lines Engineering (Transmission and Distribution)
- Renewable Energy/Power System studies



Industrial Sector

- Industrial communication (interface systems, Ethernet systems) ,
- Industrial Controls & Monitoring systems
- Industrial Structures- Skids
- Steel buildings turnkey



Commercial Sector

- Multi-family buildings
- Business & Retail Buildings
- Building automation and control systems
- HVAC system design & Energy modeling
- Fire & Security integration systems
- Smart building equipment integrations



Our Full Range of supported sectors!!

Equagen lives up to future challenges with a strong integrated service portfolio



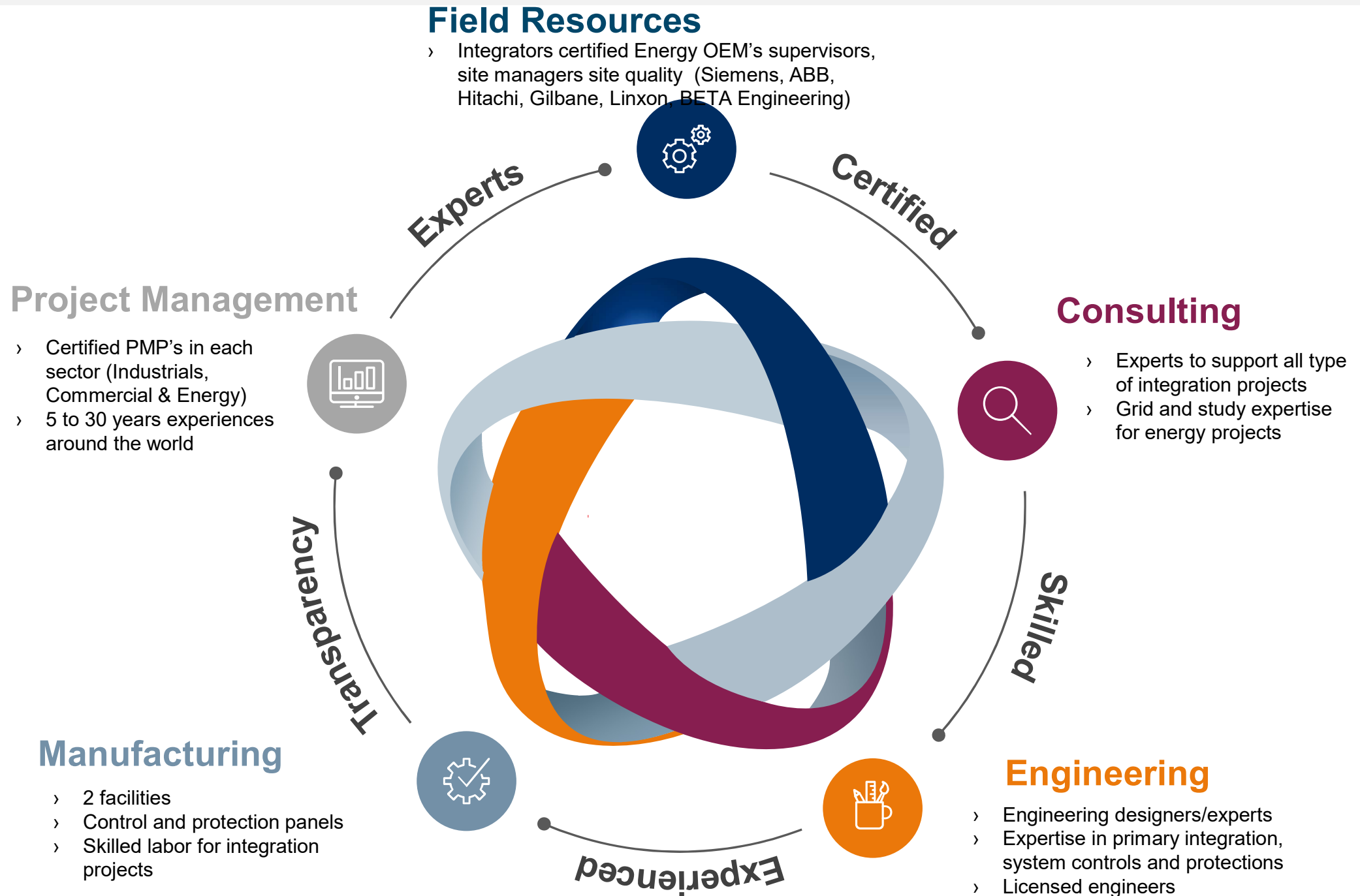
Energy/ Power

- Process development support, Construction basic plan, proposition and preparation of pre-FEED and FEED packages.
- Power generation blocks/ fuel storage facilities
- Substation Engineering for primary content (layout, integrations, 3D simulation, BIM,...), secondary (schematics, drafting and C&P full design,...) and Civil structural (load, full seismic reports, shop drawings, ...)
- Control and Protection panels design and manufacturing (2 locations)
- Power Systems Studies
- Project Management, Procurement management
- Construction Management (Field resources for Inst. & Com., overall site management)
- Civil Engineering: Mass Grading Plans, Land Disturbance Permits, Subdivision Developments, Site Design/Planning, Feasibility Studies, Entitlements, Conditional Use Permits, Recreational Facilities Design, Storm Drainage Studies/BMP Design, Sediment and Erosion Control Calculations, Construction Observation/Management, Permitting
- Building technology integration with HVAC design and equipment integrations
- Nuclear Power plant Qual Card holder staff augmentations

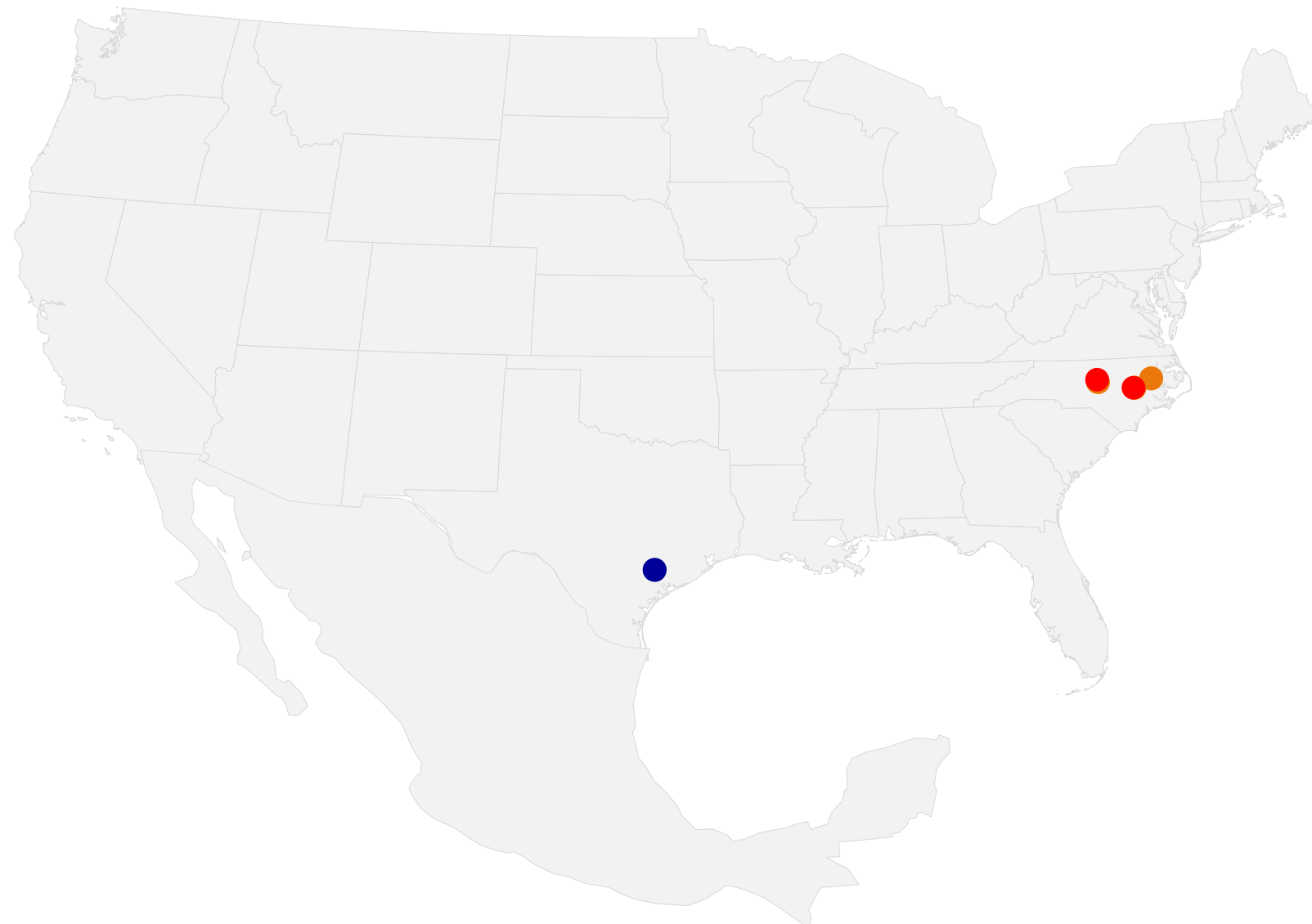
An All-in-One Solution to support your need!



- Value Chain Partnering, strategic partner for solutions (DBE's, Minority, small business)
- Flexible Service Provider (Studies, Engineering, Project Management, Field management)
- Lean Construction Management (waste reduction using lean construction, integration methodologies)
- Experts in project integration (building technology, manufacturing and automation, Energy)
- Manufacturing of control equipment (C&P panels, Battery systems, equipment controls)



Our regional setup fosters customer proximity and reactivity



Raleigh, NC [Headquarters]

8045 Arco Corporate Dr
Raleigh, NC 27617

High Point, NC

Manufacturing

Durham, NC

Manufacturing & CMT Lab

Houston's Office

(Satellite office)

● Engineering Offices

● Factories manufacturing

● Headquarters

Equagen – Our manufacturing packages



Motor Control Center

Engineering, manufacturing and installation

Design and integration of multiple enclosed sections with common power bus, motor starter, fuses, and or circuit breakers and power disconnect



Protection and Control Panels

Engineering, manufacturing, and factory testing

Control panels for Medium and High Voltage equipments

Design per product specific, full assembly and testing FAT capabilities at factory



Engineering, manufacturing and installation

Our 4 basic circuit arrangement. Radial, primary selective, secondary selective and secondary network circuit arrangement.

Design product up to 1kV / 1000A

Power Distribution

Engineering



3 lines, logics, schematics, equipment details & Selection, point to point

Electronic document package.

Supply Chain Management



Support full supply chain from enclosures, electrical parts and connectors.

Manufacturing, Testing, Commissioning, Integration & Product Expertise



Control quality and inspections,

Assembly with quality gates and full electronic reports with test results

FAT capabilities

Diversity & Inclusion



Local group in different states fully qualified for DBE, Small business, minorities

Projects executed (Selected)

- San Onofre Nuclear Generation Stations 230kV Substation Engineer of Record
- Nevada National Security Site (NNSS) 69kV transmission line design
- Nevada National Security Site (NNSS) Tweezer North 69kV transmission line design
- Central Washington Public Utilities- Grandview- Union 230kV transmission line PLS CADD design
- Galveston, Texas Cricket Baseball Park Facilities Design
- TSMC HV cables , supports, grounding and misc materials turnkey project
- Boulder City Nevada 69kV Transmission line design
- Susquehanna Nuclear Station Data centers 3 substations owner's review (HV cable & Vault) and review of EPC contractor's drawings.
- Marathon Petroleum Carson site California , Substation Steel skids- turnkey project
- Taiwanese Semiconductor Manufacturing Company (TSMC) in Phoenix: Primary engineering
- McKinney, Tx Habitat for Humanity Affordable housing design and construction engineering
- San Luis Capistrano 230kV GIS Seismic qualification Owner's review
- EPC 500kV enhancement & grid stability FSC Seismic qualification for Lugo, Mohave and Eldorado stations

Other Projects (Contd.)

- Base design (R&D) for 72kV, 145kV, 245PMG, 362PMI, 550PM and 800PM DTB Local Controls -Hitachi
- Rio Oso GIS steel platform design & fabrication – Siemens
- Egbert steel platform design & fabrication – Siemens
- Marathon Carson Steel Skids (Tot 60 ton) Turnkey project
- Rialto Valve Skid design
- Duke Energy Osprey Substation grounding, cable trays , cables and miscellaneous material supply-Hitachi
- Indio Juvenile Parking Electrical system design
- Mohave Substation Series capacitor platform seismic qualification- Beta Engineering
- Lugo Substation Series capacitor platform seismic qualification – Beta Engineering
- Eldorado Substation Series capacitor platform seismic qualification – Beta Engineering
- Davidson substation primary engineering- ABB PowerGrid
- Qatar Embassy Washington DC, renovation engineering/energy modeling
- Vineyard wind project engineering support

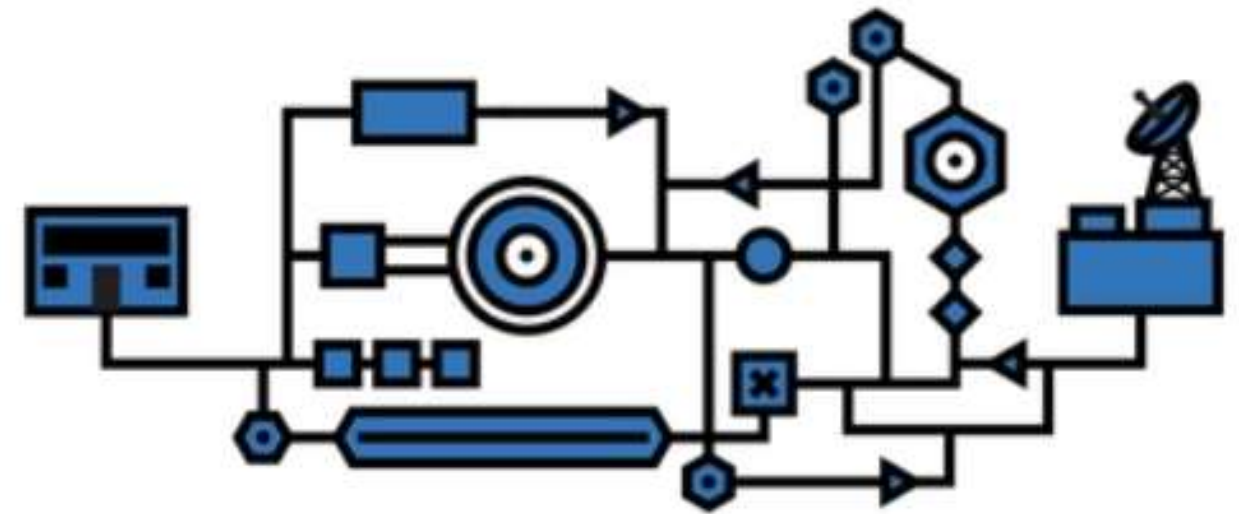
Other Projects (Contd.)

- San Luis Rey 230kV Substation Engineer of Record
- Design of over 100 commercial and industrial steel building in multiple states.
- Danville, VA Hydropower plant FERC Part 12d licensing support.
- Substations control system design & manufacturing of LCC/P&C cabinets:
 - Susquehanna Nuclear Station
 - Sandy hook - Eversource
 - Card Street - Eversource
 - PASS Ameren
 - PSE&G Long Island Bridgehampton substation LCC engineering and supply- Hitachi
 - Station 483- Eversource
 - Station 106- Eversource
 - Eagle Ray- Dow Chemicals
 - South Fork- Eversource

Key Differentiator: Support for Big Utilities with key scope



- Engineering
- Manufacturing Services
- Testing
- Commissioning
- Protection, Control and Communications Integration
- Power System Studies



The +20 years of expertise of our specialized personnel in complementary fields give us the opportunity to offer a peace of mind approach regarding the core of electrical infrastructure: Protection, Control and Communications.

Our integrated focus, provides quality and certainty for a long-term reliable operation.

Q&A?