

E-HOUSE

Compact electrical systems comprised of low and medium voltage switchgears, as well as automation cabinets with all your network programming and configuration.



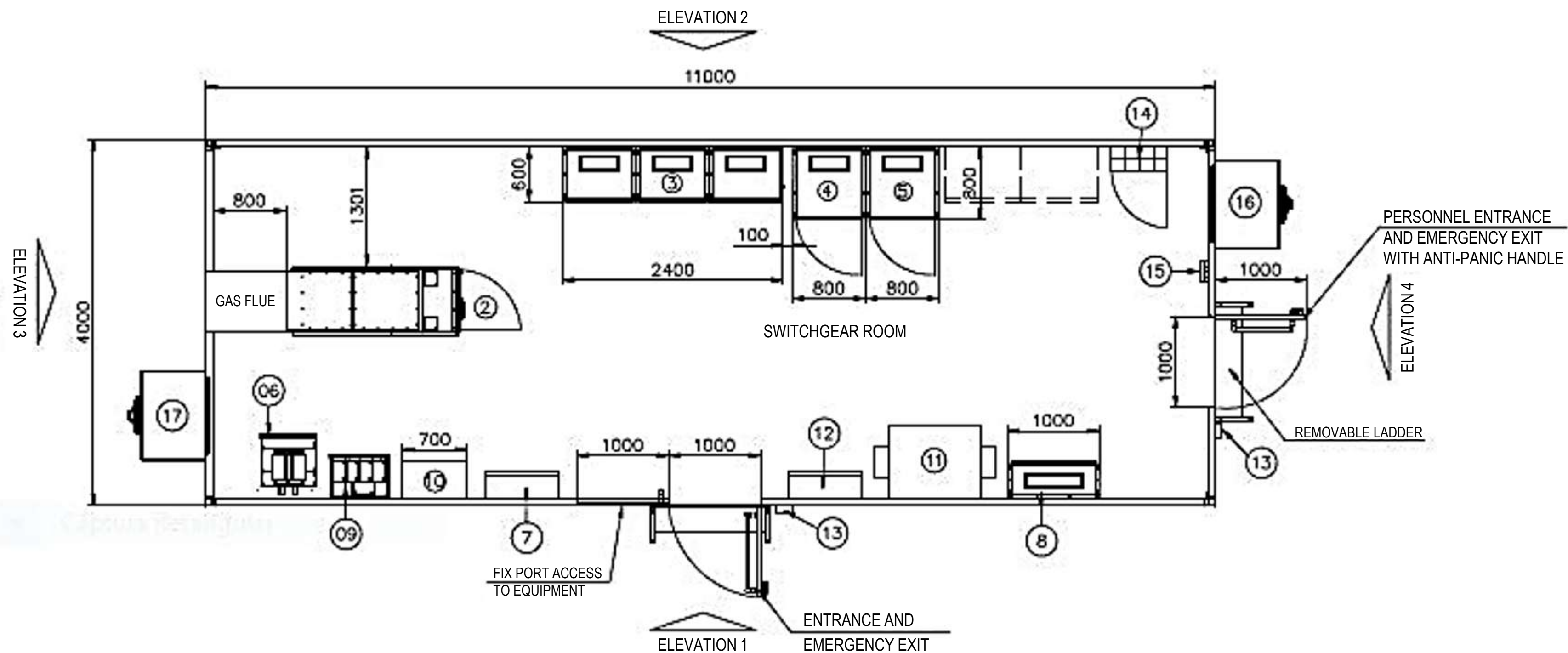
**Our e-houses are the integrated
and customized solution
for your business.**





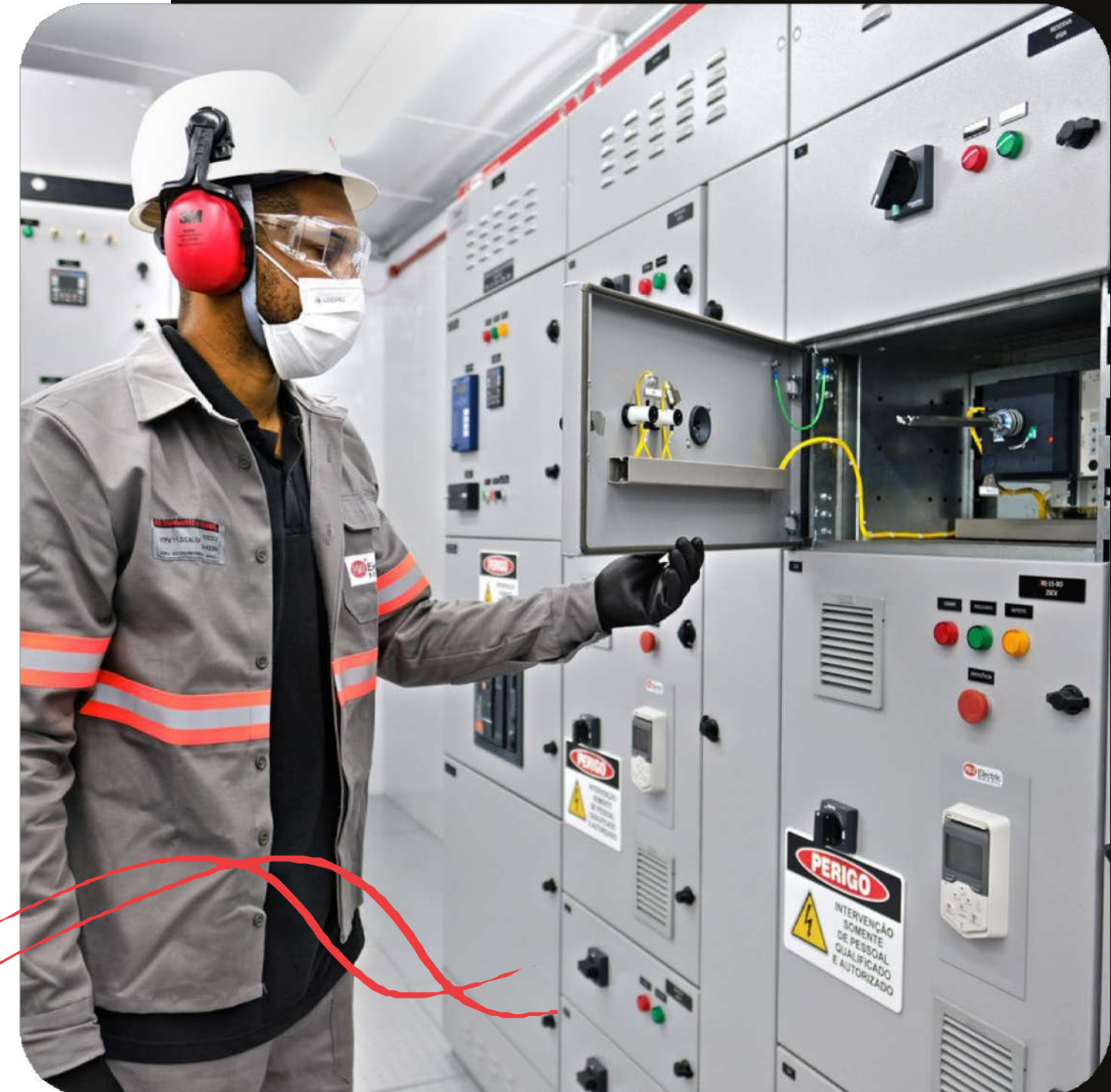
Convenience, assurance & safety.

M&I Electric
BRAZIL



SUPPLY SCOPE | Service

- Detailed Engineering - electrical project, electromechanical installation, air conditioning and ventilation;
- Development of software for electrical system and process automation - PLC and HMI programming;
- Specification and acquisition of equipment and materials;
- Inspection, factory acceptance testing and automation system platform testing;
- Shipping of equipment and materials;
- Supervision of assembly, commissioning and start-up;
- Assisted operation;
- Training;
- As Built and Data Book.



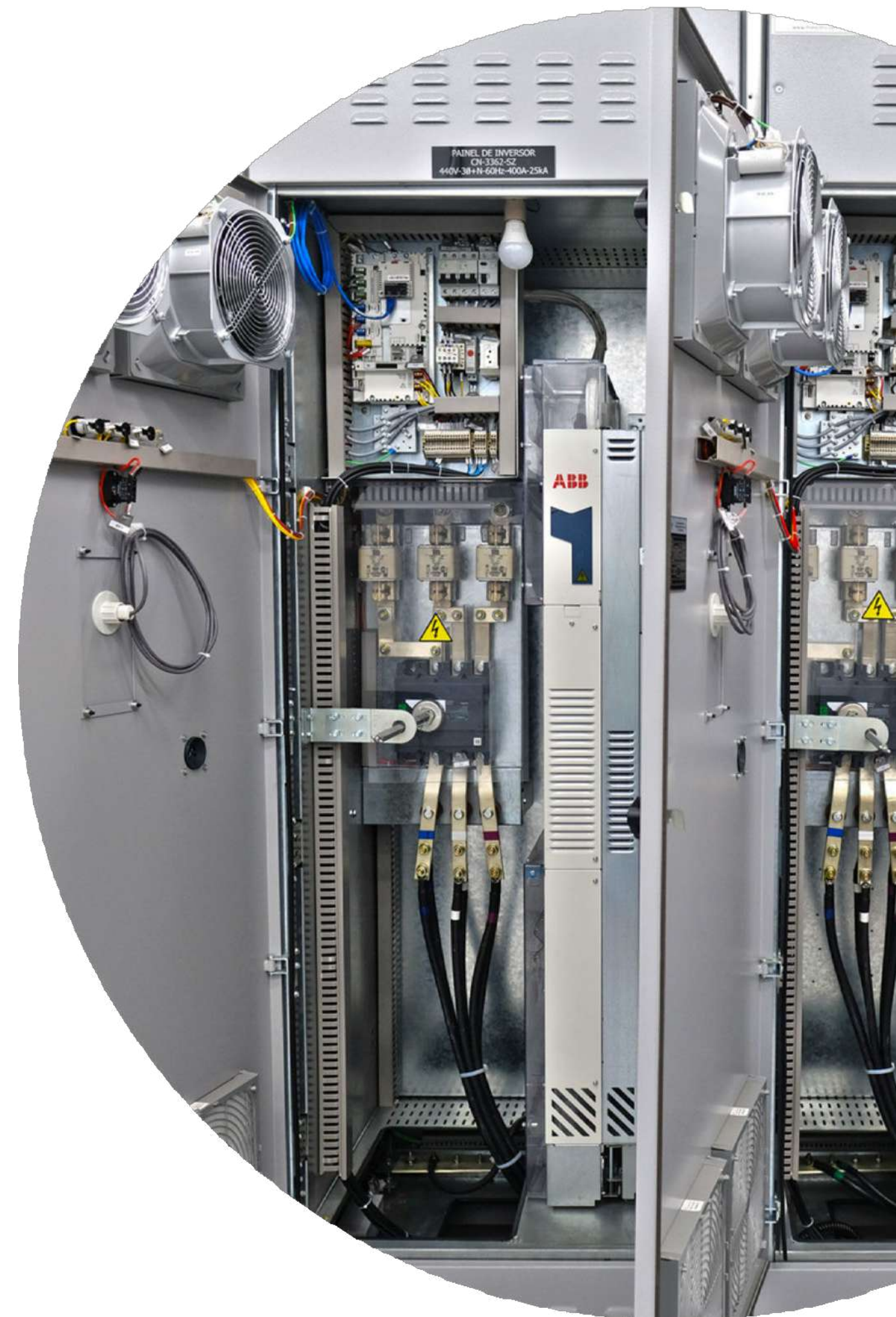
SUPPLY SCOPE | Equipment

2 (two) e-house 13.8kV substations, with air conditioning system, pressurization and fire detection system and alarm, as well as manual firefighting equipment, composed of:

- 13.8kV, 630A, 31.5KA switchboard;
- 4.16kV, 25kA grounding resistor;
- 480V, 31.5kA grounding resistor;
- 4,16kV, 630A, 25kA motor control center;
- 480V, 630A, 50kA motor control center;
- 480Vca/125Vcc battery charger rectifier;
- Battery bank: alkaline, 125Vcc; wet-charged, 170Ah; 180 min life;
- 125Vcc, 100A, 15kA continuous voltage distribution switchboard;



- 480/380-220V, 25kVA dry lighting transformer;
- 380/220V, 30A, 15kA lighting switchboard;
- Control voltage switchboard;
- Control system switchgears with PLC, CPU, rack, switch,
- Ethernet TCP/IP protocol;
- 10 kVA no-break, 60 min life.
 - 13.8-4.16 kV, 2000 kVA power transformer – 1 unit;
 - 13.8-4.16 kV, 1000 kVA power transformer – 1 unit;
 - 13.8-0.48 kV, 300 kVA power transformer – 2 units;



E-HOUSE



Our locations

📍 Headquarters: Macaé/RJ
R. Mário Figueiredo Proença, 151 - Imboassica,
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