

Ingeteam References in the World



Power Grid Automation



Ingeteam



more than 2000 instalations from 3.3kV to 500kV

around 50,000 IEDs installed

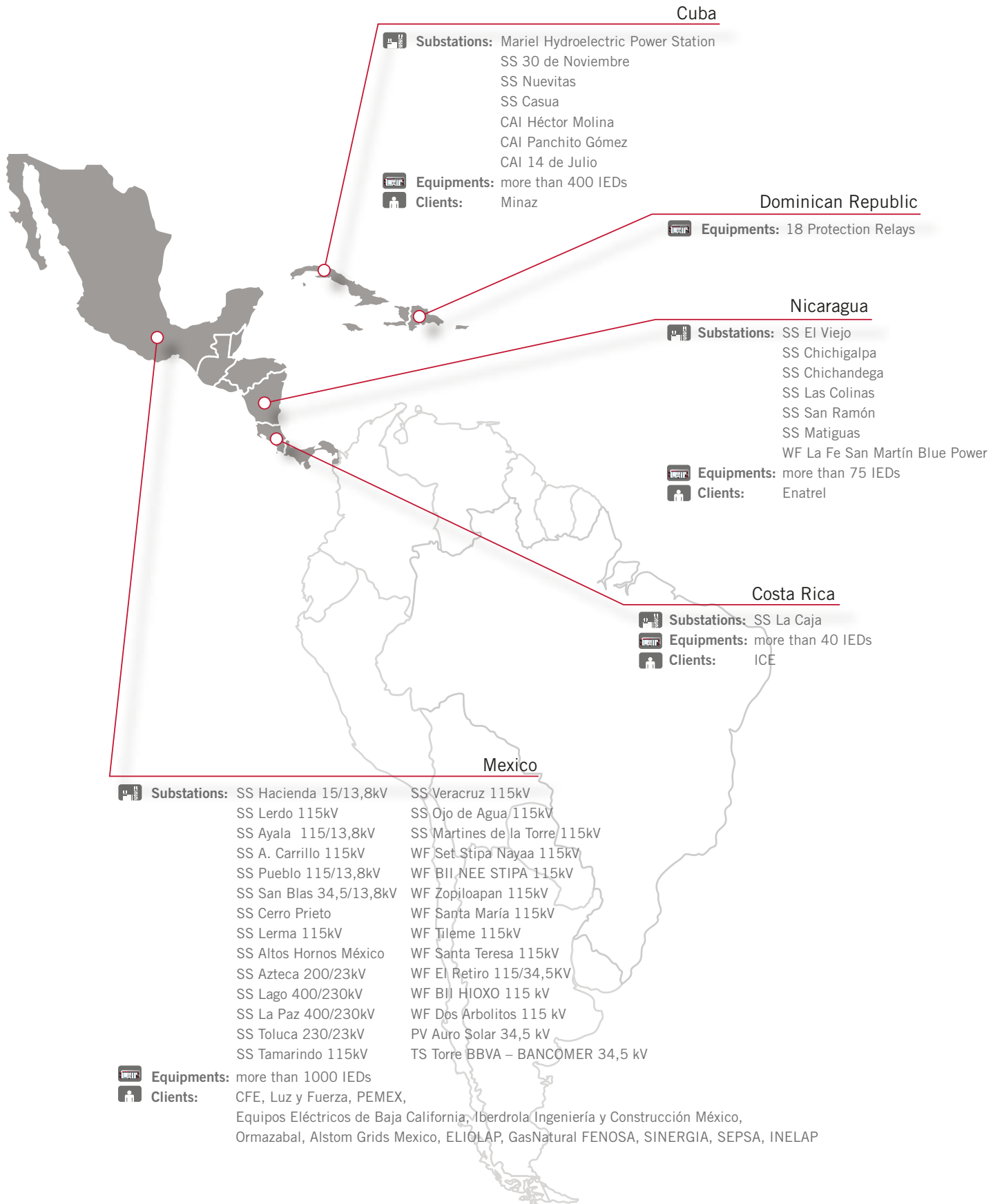
Power Grid Automation

With over 40 years' experience in the energy sector, Ingeteam has become a leading supplier of medium- and high-voltage substation control and automation solutions and electrical energy distribution for over 50 electrical utility companies in over 40 countries worldwide. We have also played an active role in designing solutions for renewable energy integration, collaborating with leading companies in this field, such as Acciona, Gamesa, Vestas, EDPR, Iberdrola, and Enel Green Power.

Spain, Brazil, Mexico and Thailand lead the way in benefitting from our solutions and products. These countries act as our operational bases for increasingly meeting the requirements of clients in other countries in their area of influence, thanks to a local structure and consolidated partnerships.

○ North & Centre America	1
○ South America	2
○ Europe	3
○ Asia	4
○ Africa & Middle East	5

Power Grid Automation in Central America and México



Power Grid Automation in South America



Venezuela

- Substations:** CAI Trujillo I
CAI Barinas
CAI Portuguesa
CAI Trujillo II
CAI Mérida
CAI Zulia
CAI Cogedes
CAI Monagas
SS Corpoelec

Equipments: more than 100 IEDs

Ecuador

- Equipments:** 15 Protection Relays
Clients: Empresa Eléctrica de Quito

Colombia

- Substations:** WF Urubó 69/10,4kV
Equipments: more than 20 IEDs

Peru

- Equipments:** more than 190 IEDs

Bolivia

- Substations:** SS Guaracachi
SS Oruro
SS Trompillo
SS Pailon
SS Cañoto
SS SE Villa Primero de Mayo
SS Kenko
SS Rosasani

- Equipments:** more than 150 IEDs
Clients: CRE, Eletropaz, Luz y Fuerza de Oruro

Chile

- Substations:** WF Punta Palmeras

Brazil

- Substations:** SS Rio Verde
SS Manguary
SS Samambaia
SS Aldeoja
SS Oruro Preto
SS Brejo Santo
SS Angras do Reis
SS Redenção
SS Marapata
SS Flores e Manaus
SS Ciudad de Nova
SS Caxias 230kV
SS Polo 500kV
SS pelotas 230kV
SS Porto alegre 230kV
SS Monbaça
- WF Pedra do Reino
WF Pernambuco
WF Renascenca V
WF Mel 2
WF Caetité
WF Clango
WF Rio do Fogo
WF Pedra do Reino
WF Cabeço Preto
WF Ceara: Beberibe
WF Rio Grande do Norte: Alegria
WF Eurus II
WF Arizona I
WF Pelotização
12 138/69kV Substations

- Equipments:** more than 5000 IEDs
Clients: Furnas Centrais Eletricas, Eletronorte, Eletrosul Centrais Eletricas, S.A, CEEE, REDE CEMAT, COSERN, COELCE, CELG, CEAL, LIGHT, ...

Paraguay

- Equipments:** more than 150 IEDs
Clients: ANDE

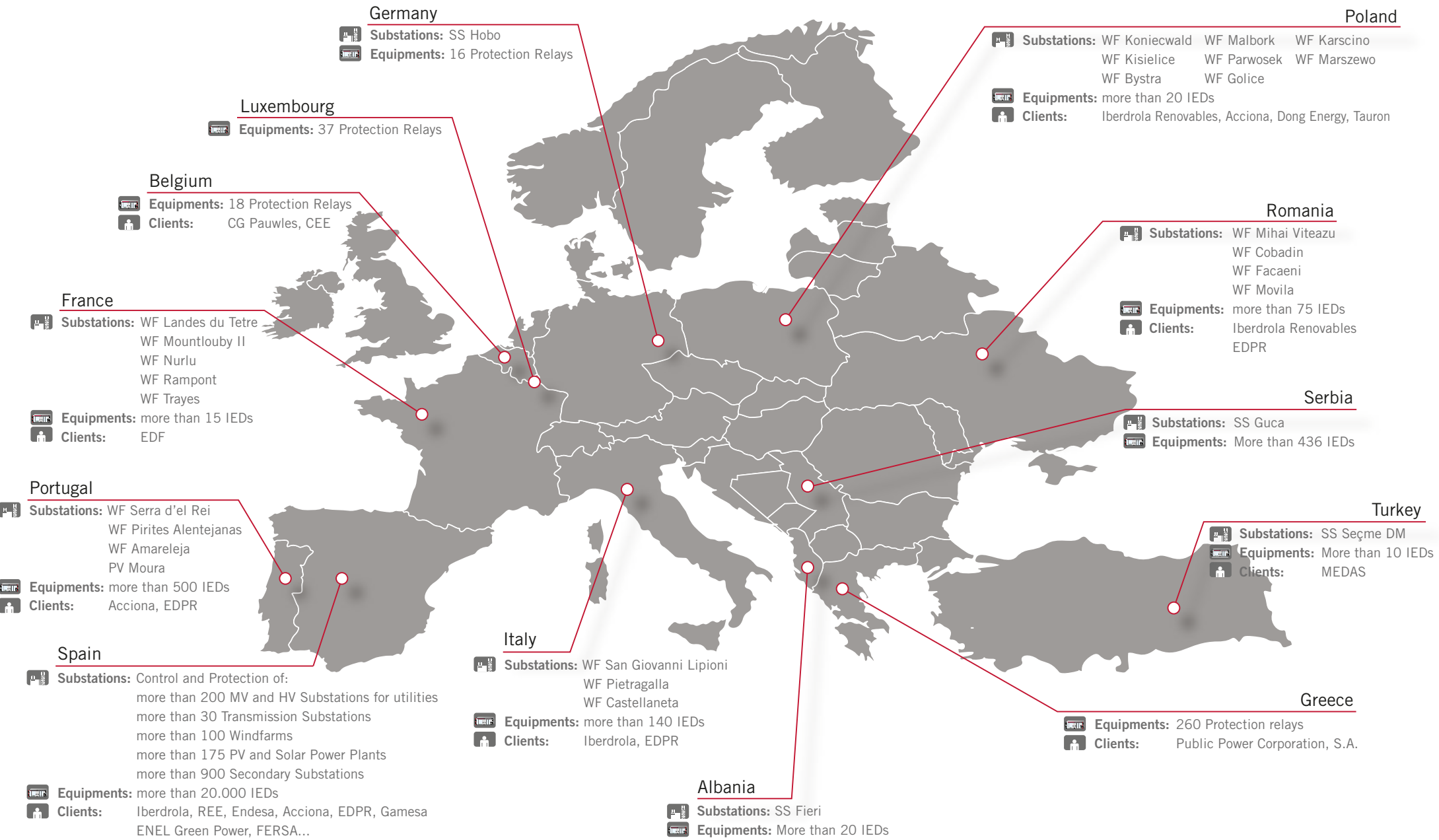
Uruguay

- Substation:** WF Pintado
Equipments: more than 1000 IEDs
Clients: UTE

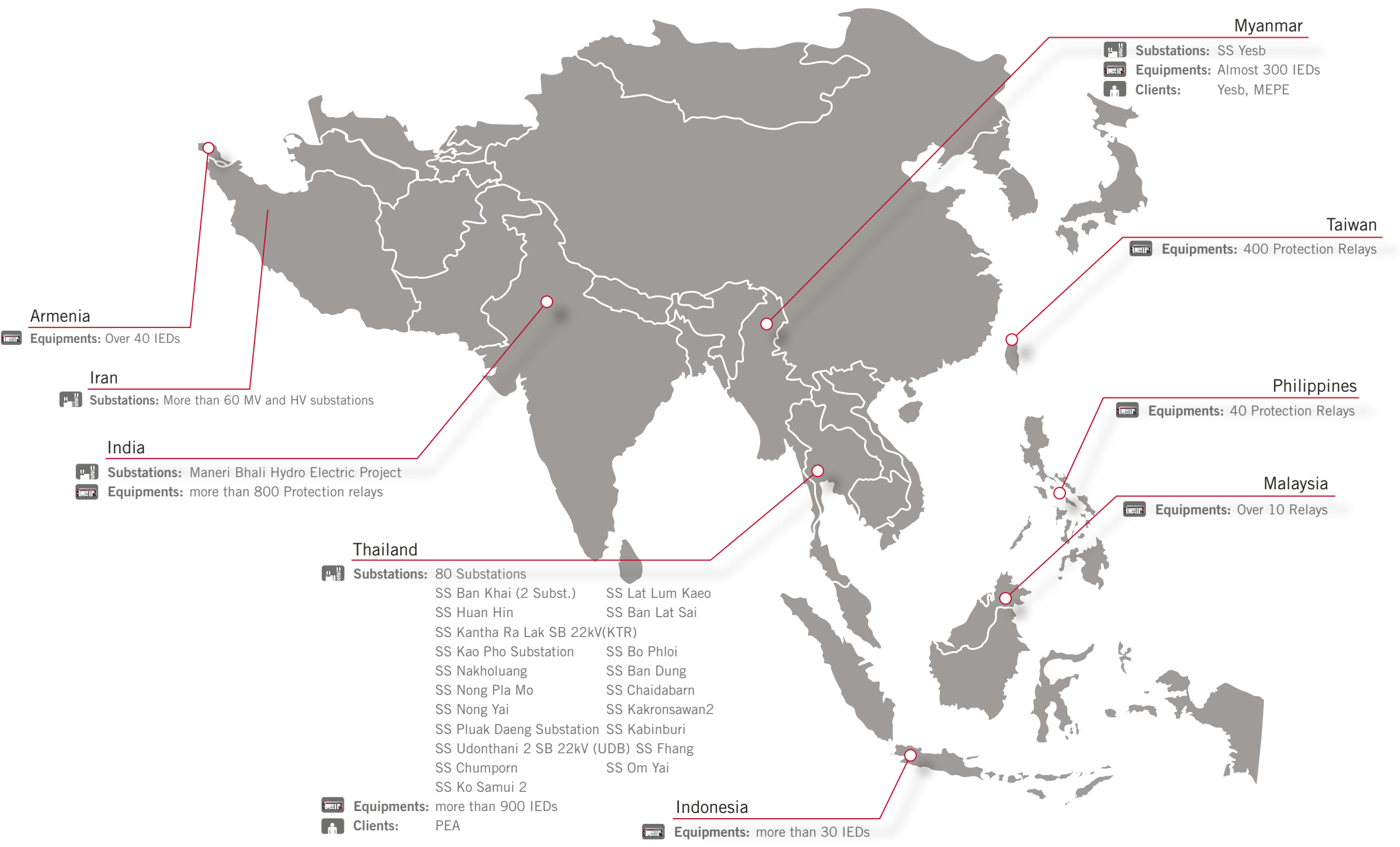
Argentina

- Substations:** SS Móvil Edelven
San Lorenzo Refinery
SS Lasserre
Thermal Power Plant of Río Grande
- Equipments:** more than 300 IEDs
Clients: Petrobras, DPE en Tierra de Fuego

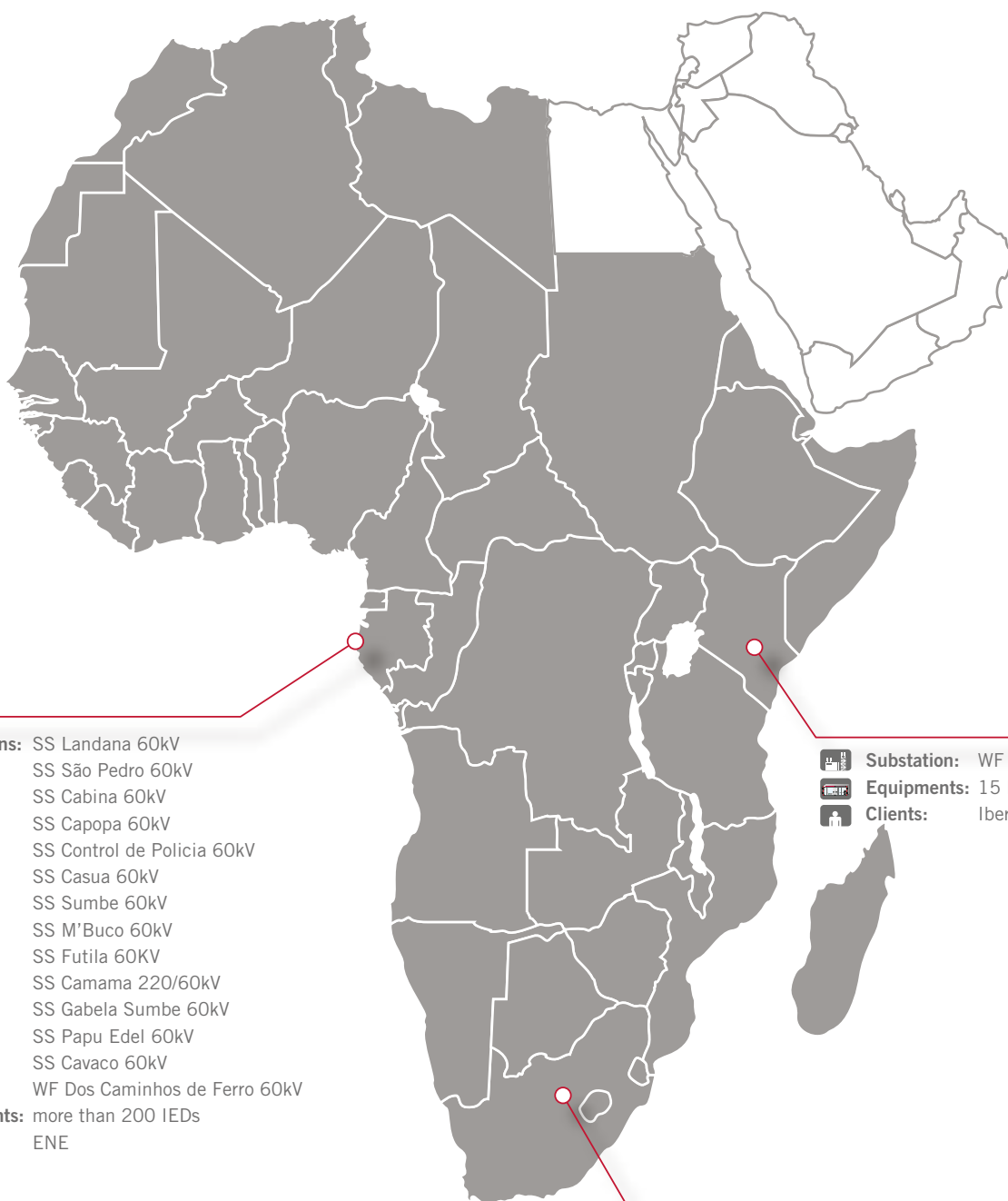
Power Grid Automation in Europe



Power Grid Automation in Asia



Power Grid Automation in Africa



Angola

- Substations:** SS Landana 60kV
SS São Pedro 60kV
SS Cabina 60kV
SS Capopa 60kV
SS Control de Policia 60kV
SS Casua 60kV
SS Sumbe 60kV
SS M'BUco 60kV
SS Futila 60kV
SS Camama 220/60kV
SS Gabela Sumbe 60kV
SS Papu Edel 60kV
SS Cavaco 60kV
WF Dos Caminhos de Ferro 60kV
- Equipments:** more than 200 IEDs
- Clients:** ENE

Kenya

- Substation:** WF Ngong
- Equipments:** 15 Protection Relays
- Clients:** Iberdrola

South Africa

- Equipments:** more than 600 Protection Relays
- Clients:** City Power, Welkom

Power Grid Automation in Middle East

Egypt



Substation: ST Kuraimat



Equipments: more than 50 Protection Relays



Clients: NREA

Syria



Equipments: more than 300 Relays



Clients: PEDEEE

Iraq



Equipments: 70 Protection Relays

Saudi Arabia

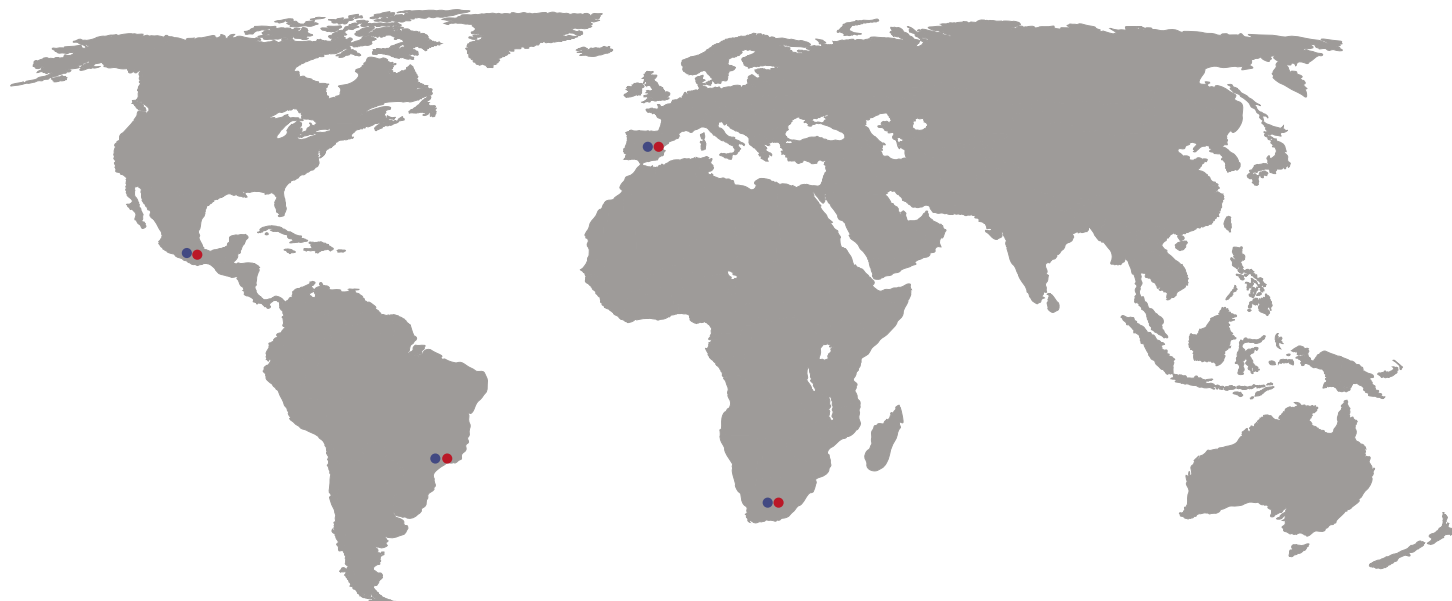


Substations: Al Shammary



Equipments: more than 65 IEDs





● Manufacturing Units

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