

Benefits

- End-to-end electrical commissioning and maintenance of electrical power systems on power plants, substations and industrial plants
- Experts with years of on-site and off-site project experience
- Provision of state-of-the-art test devices, tools and maintenance procedures
- Technical backoffice experts as a direct link to consult and advise on procedures and services

Facts

- 20+ years of experience
- over 300 executed projects
- more than 5 years average experience of service personnel
- operative in more than 150 countries
- over 150 performed trainings
- more than 70 specialists available

Services

- Onsite**
 - Inspection of electrical equipment
 - Function testing and re-commissioning
 - Routine testing
 - Site Surveys
- Offsite**
 - Technical consulting
 - Feasibility studies
 - Modernisation projects
- Admin**
 - Scheduling and manpower planning
 - Provision of test equipment and tools, rental and shipping
- Additional**
 - Operation and maintenance staff training
 - Independent assessments

Tools

- Secondary testing: Omicron CMC256, 353, 356, 500 and Sverker 750
- IEC61850 testing: Omicron IED Scout
- CT testing: Omicron CT Analyzer
- Circuit breaker testing: Omicron Cibano 500 with MC2
- Primary and voltage transformer testing: Omicron CPC 100
- Primary testing multifunction: Transformer, voltage and current transformer, circuit breaker Omicron CPX 200
- Various recording, measuring devices and tools



System Know-How

	Alstom	Siemens and Siemens Energy	General Electric	ABB	Schneider Electric	Beckwith Electric	Hitachi
Protection Systems	MiCOM Series	Siprotec-4 & 5 Series	Multilin Series	Relion Series	MiCOM Pxxx Series	M-xxxx Series	REx670
Synchronisation Equipment		Siprotec-4 & 5 Series		Synchrotact 4/5 Series			
Excitation Systems	P320	RG3-S Thyripol (6RA70, 6RV80, 6RV90), ELRA	EX2100(e), Converteam Semipol	Unitrol Series, Megatrol Series			
Starting VFD Systems		Sinamics Gxxxx Series	LS2100(e), Converteam Semipol	LCI, ACS Series			
Generator Circuit Breaker Systems	FKG Series	HB3 Series					HEC(S) x Series

INP References

Legacy Alstom Units

Germany: Lingen, Koeln-Niehl 3
Netherlands: Claus C, Flevo
Spain: Soto, Castejon
Tunisia: Ghannouch
Turkey: Kirrikale
UAE: Fujairah
UK: Langage, Grain, Carrington

Siemens Units

Brasil: Novo Tempo
France: Landivisio
Hong Kong: Black Point
Malta: Delimara
Poland: Plock, Jaworzno
Russia: Nizhnekamsk
UAE: Jebel Ali, Al Aweer

Hydro Units

Austria: Obervermuntwerk, Ottensheim
Switzerland: Nant de Drance, Linthal, KW
Bürgelen, KW Arniberg, KW Emmenweid

Various Plants

Waste-incineration, industrial units, synchronous condenser units