GIS Services Solutions

Certified installation, testing and commissioning services

Precision and reliability in GIS site execution:

Achieving demanding site work schedules requires more than just planning; it calls for the right tools and highly qualified resources.

Linxon delivers this through our certified installation, testing, and commissioning services, powered by skilled engineers and a complete set of calibrated tools. Our GIS Supervisors bring proven expertise and rigorous certification standards to every project, ensuring work is executed with the highest level of accuracy. Combined with our commitment to quality and performance, we provide services that not only meet but exceed client expectations.

Service scope

Our services include:

- GIS high voltage test - up to 400 kV GIS
- Partial discharge test
- GIS SF6 gas related works
- Current transformer test
- Voltage transformer test
- Circuit breaker, isolator, earth switch and busbar tests
- Complete GIS installation services
- Complete GIS commissioning service

Fast deployment

Our containerized testing kits enable rapid global transportation, ensuring on-time and efficient delivery for every project.

- Custom modified tools containers
- Integration of certified equipment into the 20 ft container
- High volt tools in 20 ft and 10 ft containers
- Continuous HSE training
- PPE provided as per international standards

GIS high voltage and partial discharge test

Type WRV 3.7/690 M, Manufacturer: HIGH VOLT

AC resonance test system to carry out high voltage test for Gas insulated Switchgear up to 400 kV, with variable frequency generates a practically infinitely variable AC test voltage against earth for testing of GIS according to IEC 60060-1 and IEC 60060-3. The components of the test system are designed for on-site testing and frequent transportation. The test system has a compact and robust design and is easy to install.

Provided in a 20 ft container for resonance unit and a 10 ft container for control unit. Suitable for indoor and outdoor installation.

Partial discharge test set:

Portable monitor system: PD sensing by Ultra High frequency Technology, with 16 port measurement. Suitable for GIS with inbuilt PD sensor provided laptop with PD monitor software.

Manufacturer: Power diagnostix_Meger, Type: PDMAR Monitor Portable system.

ICM system:

PD sensing by conventional as per IEC60270 using coupling capacitor, provided with ICM system software.

GIS installation tools:

- SF6 service cart mega series dilo (L170R01) for SF6 gas works.
- SF6 analyser MBW make to measure SF6 purity and SO2 concentration.
- Density monitor calibration test kit, SF6 leak pointer kit.
- Digital gauge suitable for compartment gas measurement.
- Busbar contact resistance kit micro-ohmmeter MJÖLNER 600.
- Installation tool cart, slings.
- Transport roller and lever block 3rd party certificate for all lifting tools.

GIS commissioning tools:

- Current transformer testing with Omicron CT analyser
- VT testing and primary injection kit Omicron CPC100
- Circuit breaker and isolator analyser system Megger TM1800
- Earth switch dielectric test kit
- Sefelec RMG15AC
- Insulation resistance kit MIT515
- Megger
- Auxiliary relay test set Sverker
- 750 Megger
- B10E Megger power supply unit
- Multimeter and clamp meters

Why work with Linxon?

Safety by design

- Proactive safety approach throughout the entire project life cycle
- Proven results validated by Linxon's safety record

Risk mitigation and accountability

- Single source provider for managing the entire project from conception to commissioning
- Upfront risk identification and mitigation

Flexible innovation

- Integrating cutting-edge grid technology to ensure optimal project design and performance
- Innovative and flexible substation layouts

About Linxon

Linxon helps cities grow, industries expand, and communities thrive by building a crucial part of the power transmission grid.

We are building the infrastructure to power the world with carbon-free energy.

Power generation

Substations that meet the demands of tomorrow

Railway

For rail substation applications and mass transit transmission

Utilities

Serving utilities with engineering and program efficiency

Data centers

Serving data center operators with specialized designs for reliable power

ESS

Advanced battery storage solution for diverse applications

Grid Stability

Enabling power systems to reliably balance supply and demand while maintaining voltage and frequency