



POI Interconnection Engineering Support

Connecting Power Projects with Confidence

At **Keentel Engineering**, we provide complete **Point of Interconnection (POI) Support Services** for renewable, utility, and industrial power projects. With 30+ years of expertise, we guide clients through the **technical, regulatory, and compliance requirements** needed to achieve a successful grid interconnection.

Our POI Support Services



Feasibility & Studies

- Load flow, short-circuit, and stability studies
- Interconnection feasibility assessments
- Grid code compliance reviews



Design & Engineering

- Preliminary and detailed POI substation design
- Single-line diagrams (SLDs) and equipment specifications
- Protection and control schemes for grid interface



Regulatory & Compliance

- NERC PRC, IEEE, IEC, and NEC compliance support
- ISO/RTO interconnection application assistance
- ERCOT, CAISO, PJM, and SPP coordination



Testing & Commissioning

- Model validation (PSSE, PSCAD, ETAP, PowerFactory)
- Relay coordination and SCADA integration
- Factory and site acceptance testing (FAT/SAT)
- Energization and as-built documentation



Why Choose Keentel Engineering?



30+ years of **power system design & interconnection** expertise



Hands-on experience with **renewables, transmission, and BESS** projects



Proven track record in **navigating ISO/RTO interconnection** processes



Advanced tools and simulation software for **reliable** results