

Advantages of Using SubCon Substation Connectors



-  ENERGY
-  COMMUNICATIONS
-  SPECIAL INDUSTRIES
-  SOLAR



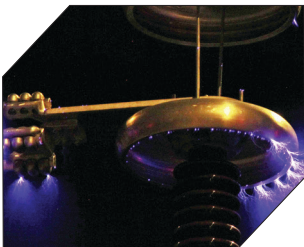
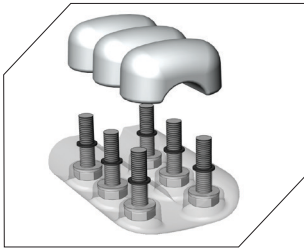
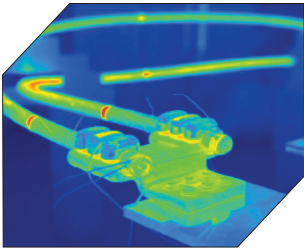
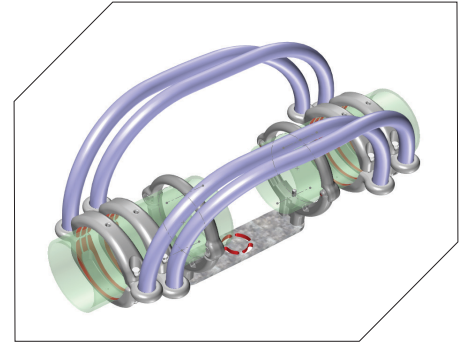
The PLP® SubCon Substation Advantage

Reliability, Expertise, and Design Support

- Premier substation connector manufacturer for over 20 years
- Connector design expertise for avoiding hot spots
- Preventative maintenance recommendations based on residual lifetime analysis
- Global expertise in extra high voltage connectors for all climates

Design Advantages

- Higher joint forces from extra high grade steel hardware
- Captive hardware design for easier installation
- Machined and adapted contact surface for better connection
- UHV/EHV designs based on calculations, tests, and field experience
- Designed to minimize corona shield requirements
- Expansion joint designs without additional corona rings up to 765 kV

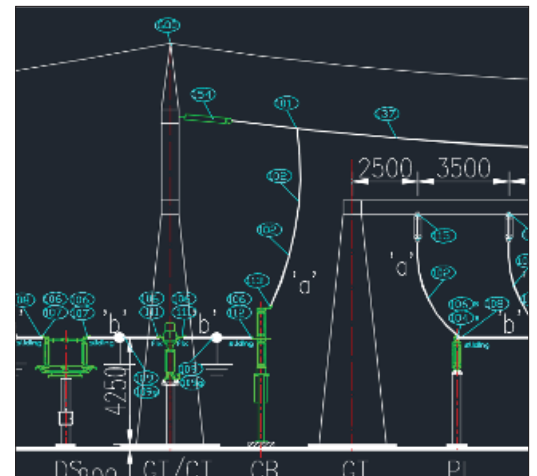


Seismic Design Expertise

- Finite Element Analysis (FEA) calculation to predetermine stress loads
- Motion simulations and analysis for seismic conditions
- Design solutions from heavy-duty rigid connectors to telescopic busbars
- Flexible conductors in expansion connectors for reduced mechanical stress and optimized current distribution

Flexibility in Design and Manufacturing

- Over 10,000 connector types available to support common substation designs and electrical parameters around the world
- Creation of connector location plans and bill of materials based on your CAD layout
- Expertise in optimized solutions through innovative designs
- Rapid prototyping and low quantity capabilities
- Tested to industry standards: IEC 61284, ANSI C119.4, and NEMA-CC1



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