

Installation and Commissioning



High-Pressure Substation Installation and Operation Services:

- Site evaluation and planning
- Design and engineering
- Procurement and installation of equipment
- Construction of electrical and structural components
- Commissioning and testing

Transmission Line Installation & Operation Services:

- Route assessment and selection
- Design and engineering
- Obtaining right-of-way permits
- Foundation and tower construction
- Conductor installation
- Inspection, quality assurance, and environmental impact mitigation
- Sag tension calculations
- Commissioning and testing

Moham Shargh Group stands as a leading authority in energy infrastructure, specializing in the setup and operation of substations and transmission lines. With a rising demand for dependable power transmission, we offer tailored solutions to meet our clients' requirements effectively. Our expert team comprises proficient engineers and technicians dedicated to delivering installation services across two pivotal domains: substations and transmission lines. Here's a breakdown of our installation process:

1. Foundation Construction
 - Erecting substation equipment bases, encompassing transformers, switchboards, and other essential components
 - Installing supporting structures for transmission lines, such as towers or poles.
2. Equipment Installation
 - Fitting substation equipment like transformers, circuit breakers, switchboards, and control systems.
 - Mounting transmission line towers or beams along with conductors, insulators, and associated elements.
3. Wiring and Electrical Connections:
 - Establishing wiring and electrical connections for both substation equipment and transmission lines
 - Ensuring proper earth connection and integration of all components.
4. Testing and Commissioning
 - Conducting pre-commissioning tests to verify the integrity and functionality of installed components.
 - Executing commissioning tests to assess the overall performance and reliability of substations and transmission lines.
5. Safety and Quality Assurance:
 - Implementing stringent safety protocols to safeguard workers and ensure adherence to regulations.
 - Performing quality assurance checks at various stages of installation to uphold standards and specifications.
6. Documentation:
 - Compiling detailed documentation, including as-built drawings, equipment manuals, test reports, and relevant records.
 - Creating a comprehensive guide for the operation and maintenance of substations and transmission lines.
7. Post-Installation Support:
 - Offering post-installation assistance to address any issues that may arise.
 - Providing ongoing maintenance services as needed

At Moham Shargh Group, our commitment extends beyond installation—we strive to ensure optimal performance and longevity of your energy infrastructure