



**SUB STATION
Company**

(Since 1974)

Manufacturer of Steel Structure

SSCO Factory
Location : Semnan, Iran

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●●●●● Manufacturer of Steel Structure

In the rapid development of technology and management in the world, in order to continuously improve in all sectors and with the aim of developing its activities in this company, in 2016, SSCO established a factory in the large industrial town of Semnan. This factory is located on a land area of 42,000 square meters and the infrastructure of 17,000 square meters, was put into operation in 2019 and now has 2000 square meters of office space, 2000 square meters of warehouse and three production halls with an area of 13,000 square meters. It goes through the development path with specialized and experienced local manpower.

What follows is a report on the work history and implementation of various metal equipment in this factory. We hope we have been able to take an effective step in promoting the industry of our dear country and international project with your sympathy and support.



Total area of the factory **42,000 m²**

Total office spaces **2,000 m²**

Total area of production **13,000 m²**

Monthly production capacity **3000 Ton**



●●●●● Activities Framework



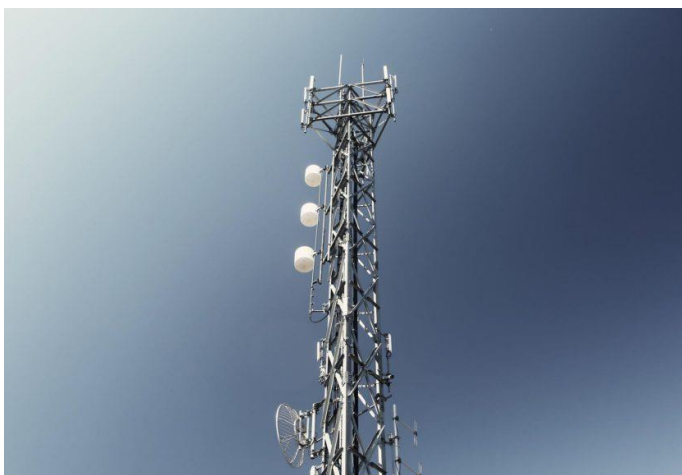
TRANSMISSION TOWERS



SUBSTATION STRUCTURE



INDUSTRIAL STEEL STRUCTURE



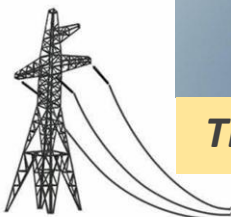
TELECOMMUNICATIONS TOWERS



CABLE TRAY & CABLE LADDER



SOLAR PANEL STRUCTURE



ISO/TS 29001:2020



QMS-ISO 9001:2015



HSE MS



Certificates

EMS ISO 14001:2015



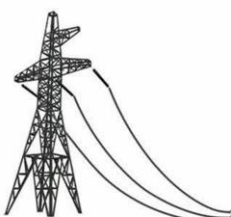
HSE MS ISO 45001:2018



●●●●● The Highest Standards of Production & Quality Control

Some of the most important certificates:

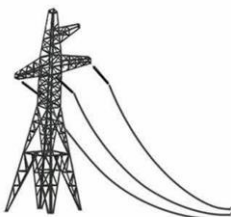
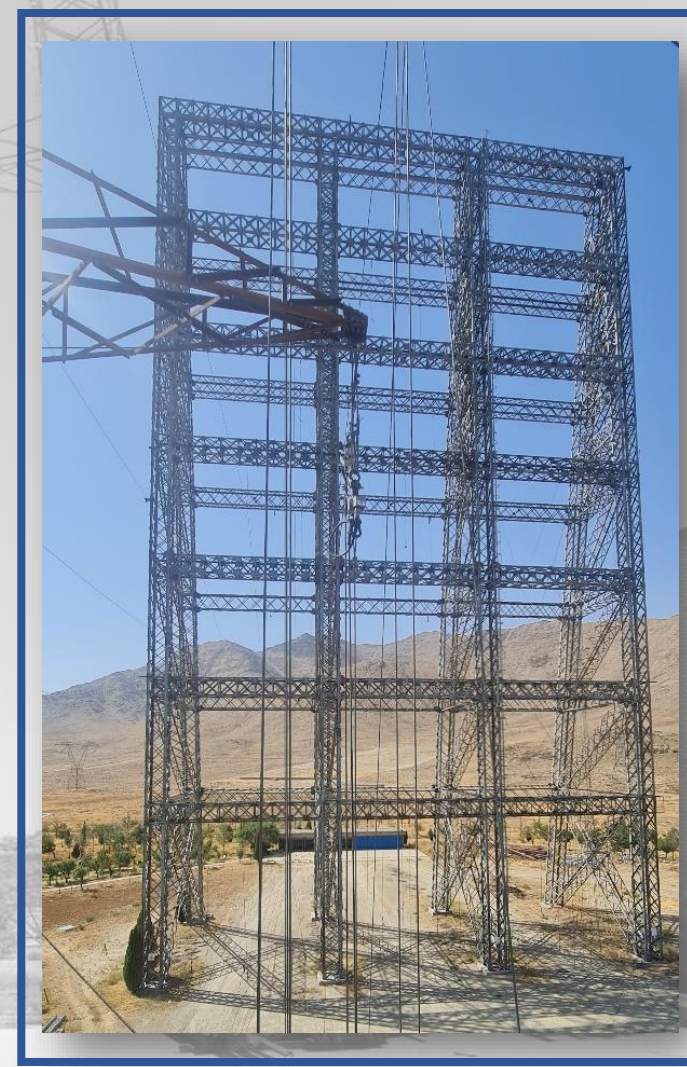
- Contractor Qualification Certificate
- Production license
- Safety Approval Certificate
- Research and Development Certificate
- Consulting Services Qualification
- Industrial Design & Manufacturing Certificate



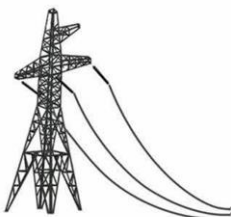
●●●● Typing Test

The SSCO Specifics Towers:

- SLS2-3
- LT-60
- DT90
- TSL3
- T190
- Telescopic



Introduction of Departments

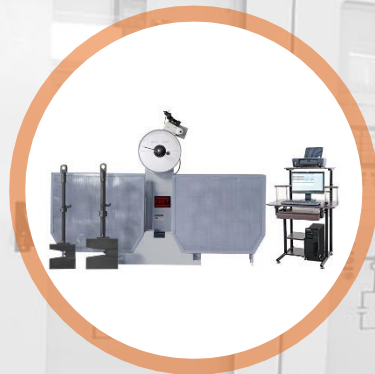


Laboratory Department

600KN universal testing machine



300j Impact Testing Machine



metallographic microscope

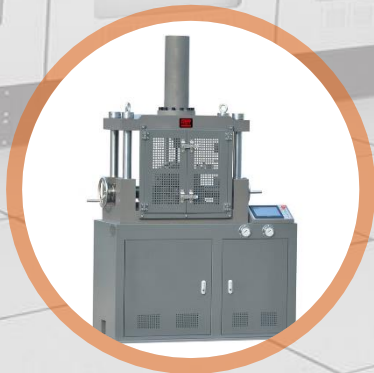


650 Ultrasonic Flaw Detector



The laboratory of this factory is one of the executive arms of the company in production with advanced equipment for testing and measuring the quality of raw materials, consumables and production parts, and by implementing the quality assurance system and using ISO 9001 and 14001 standards, guarantees the quality of its products.

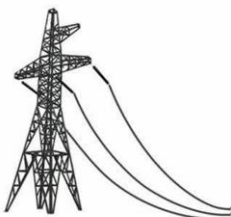
Hydraulic bending testing machine



Universal hardness testers



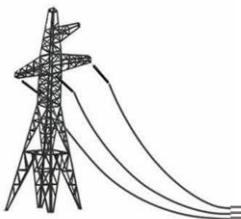
400 Salt spray test



●●●●● Engineering Department



- After the contract is signed, this department performs precise calculations of the types of structures, types of trays and ladders, and at this stage, it usually uses software that is specially prepared for this purpose.
- Optimal design, reduction of deviations and preparation of construction drawings, as well as scheduling of the frame for sending to the production line are carried out in this department, and the results are sent to the production hall after final approval by the employer.
- At each stage of production, the technical staff controls the set of drawings and products. The technical office in this department is the bridge between all departments and guarantees the quality of work.



ENGINEERING PROGRAMS



SAFE®

AUTODESK®
AUTOCAD™

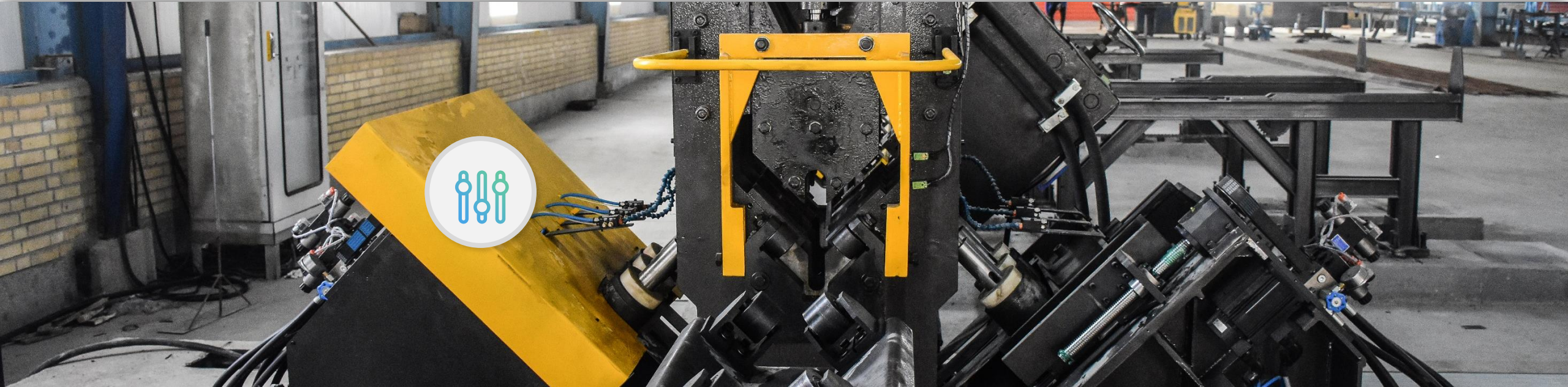
Tekla®
Structures



www.ssko-ir.com

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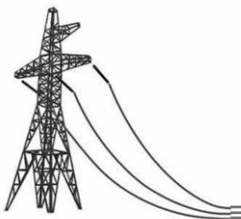
FOREIGN TRADE :

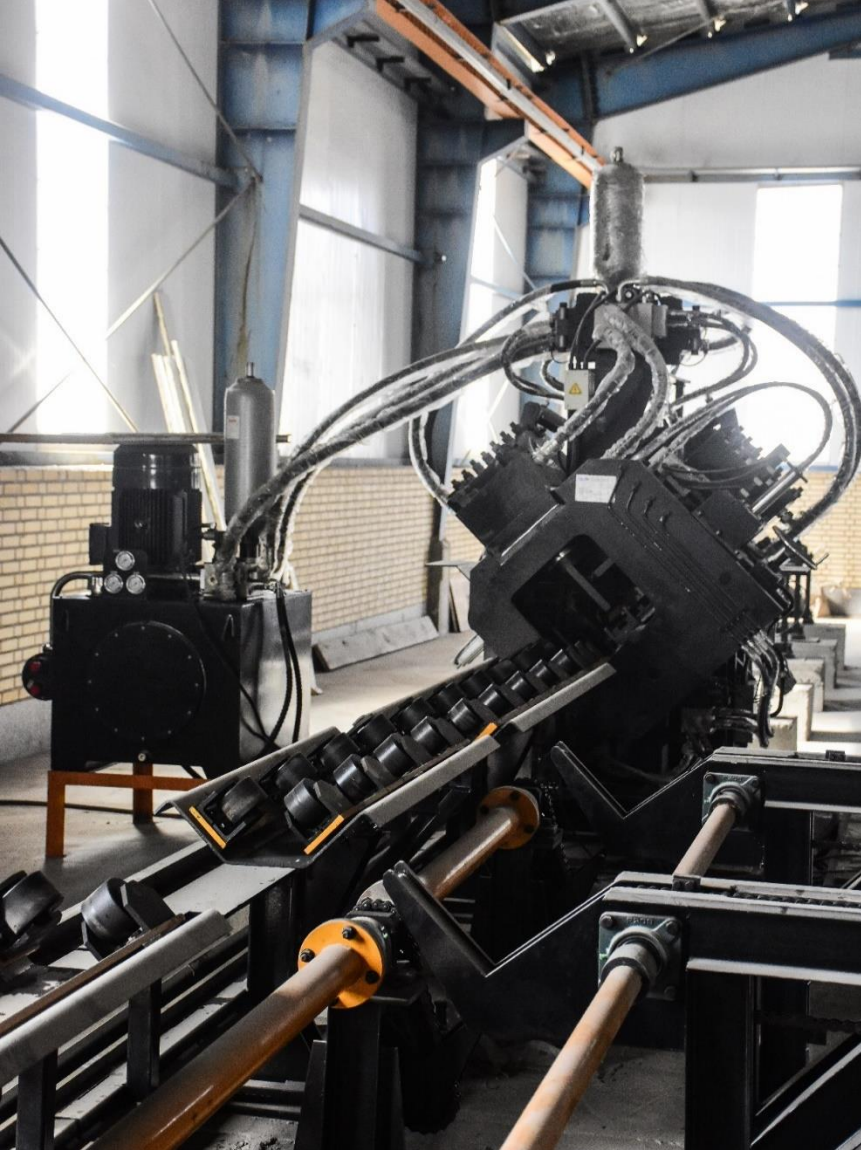
THE MAIN PART OF FOREIGN ORDERS CONSISTS OF WCONSUMABLE AND INCONSUMABLE MATRIAL AND GOODS BELOW:

Inconsumable merchandise includes all the necessary machines such as:

Drilling Machine, Shearing Machine, Punching Machine, Press Break, Metal Forming Machines and ... that will be purchased after confirmation of technical department and local and foreign experts.

Consumable merchandise includes all the materials which are used in construction of all the metal structure.





Cutting, assembly and welding, drilling, manufacturing and installation of sub-parts, sandblasting, painting, hot-dip galvanizing, and finally packaging, loading and transporting to the project site.

CUTTING AND SPARE PARTS MANUFACTURING DEPARTMENT

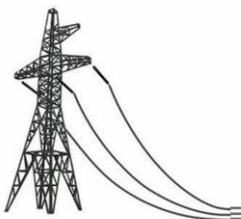
ASSEMBLING DEPARTMENT

SUPPLEMENTARY DEPARTMENT

WELDING DEPARTMENT

CONTROLLING & TESTING OF SPARES DEPARTMENT

PACKINGT SHIPPING AND INSTALLING DEPARTMENT



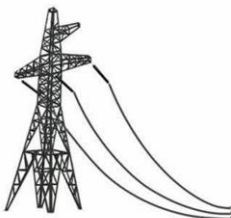
●●●●● Welding Department



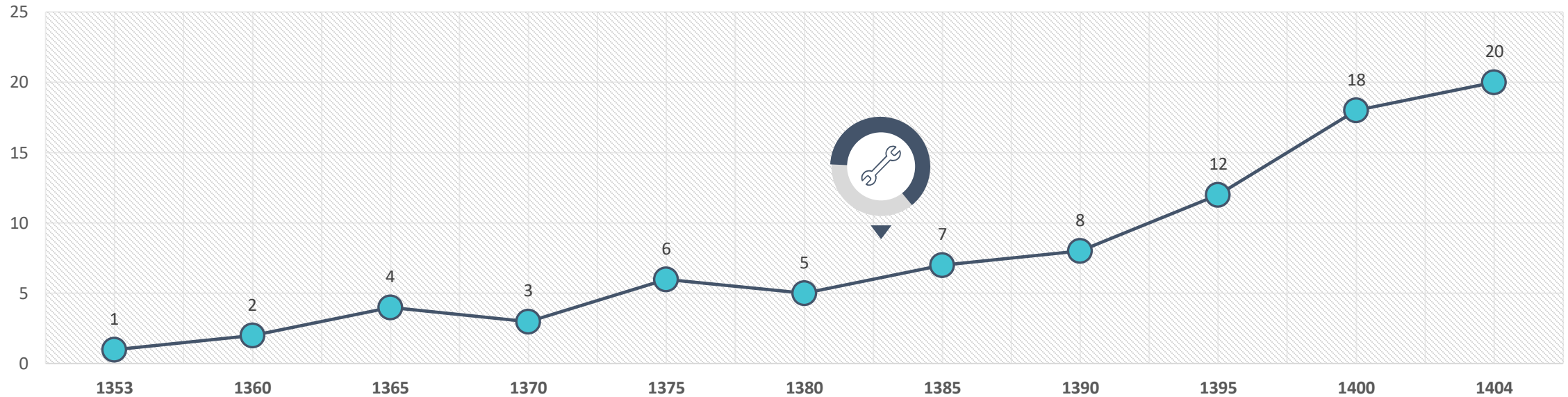
The welding process is used in almost all products manufactured at the SSCO factory and plays a key role in the final quality of the product. Therefore, this work is carried out at the SSCO factory with the highest possible standards, and in addition to the skilled and trained personnel at the hunting lodge, third-party welding consultants and inspectors are used for assurance.

Various welding methods were applicable according to the product and related drawings, and the company's factory, during various stages of continuous development, intends to employ modern and innovative welding methods in the future.

Submerged arc welding (GMAW)
Semi-submerged arc welding (SMAW)
Gas shielded arc welding (SAW)



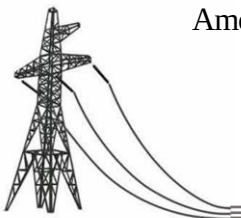
●●●●● Planning & Project Management Department



The purpose of this unit is to manage and plan for efficiency in time, cost and resources. Communication with the employer and consultant in the technical field of the project, control over the duration of the project construction, providing a schedule for existing projects, providing a production line schedule to the relevant units, analyzing the consumables of each project, etc. are among the general activities of this unit.

The planning unit, as the central core in the system, all matters and branches leading to the final product and the subject of contracts are centralized in this unit.

Among the specialized software used in this unit, we can mention: MSP-ACCESS-EXCEL-Primavera P6 6.



●●●●● Equipment & Machinery

Roll Forming Machine



CNC Laser Cutting Machine



CNC Punching Machine



Drilling CNC Machine



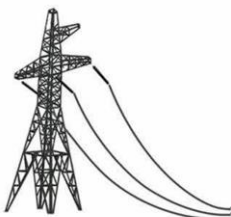
Press Brake Machine



Band Saw Machine



Cutting and Punching Machine



●●●●● Production Standards

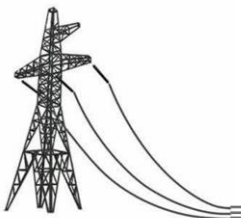
**Designing and Manufacturing
Steel Structure Standards**



**Measurement and Size
Standard Control**

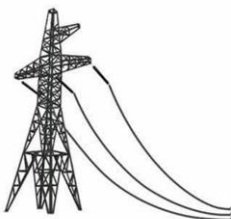
**Tolerance and NON-
Destructive Tests Standard**

**Dimention Standard and
Bolts and Screw
specification**



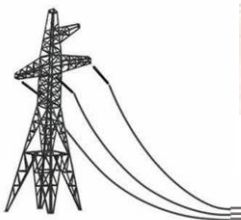
●●●●● Some of the implemented transmission line projects

- 400kV Transmission Line Fajr 2
- 230kV Transmission Line Dezfool
- Kowsar 400/63 kV line & substation
- 132kV Transmission Line Homa



●●●●● Some of the implemented substation projects

- Kowsar 400/63 kV line & substation
- 230/11kV NGL 900 Gas Compression Station
- 230kV West Karoun Oil Field



●●●●● Contact With Us

- Office:
- No. 96, Yazdan Panah St., Nelson Mandela St., Tehran
- Fax; +982188773225
- Telephone: +982188784213
- info@ssco-ir.com
- www.ssco-ir.com



Semnan Factory: Semnan Industrial City, Standard Street, corner of Eqtesad Street

