



SINA GROUP BEHSAN

SGB COMPANY

Sina Group Behsan is a Modern Organization that Provides Engineering, Manufacturing, and Construction Services.

Contact



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WWW.SBG-Co.COM

Company Departments

- Electrical & Power Engineering
- Civil Engineering
- Mechanical Engineering
- Oil, Gas, & Petroleum Engineering

Electrical Engineering

- Construct Transmissin Lines
- Build Power Substations
- Construct Electrical Power facilities.
- Automation of Substation
- Design Control Systems
- Installation of Diesel Generator
- Installation of Lighting Systems
- Setting up the Solar systems

Civil Engineering

- Design the Substation
- Construct the Substations
- Installing transmission lines
- Build the Control Room

Mechanical Engineering

- HV AC Systems
- Fire Alarm System
- Central Heating
- Engine Room
- Industrial Refinery
- Urban Sewerage Drainage

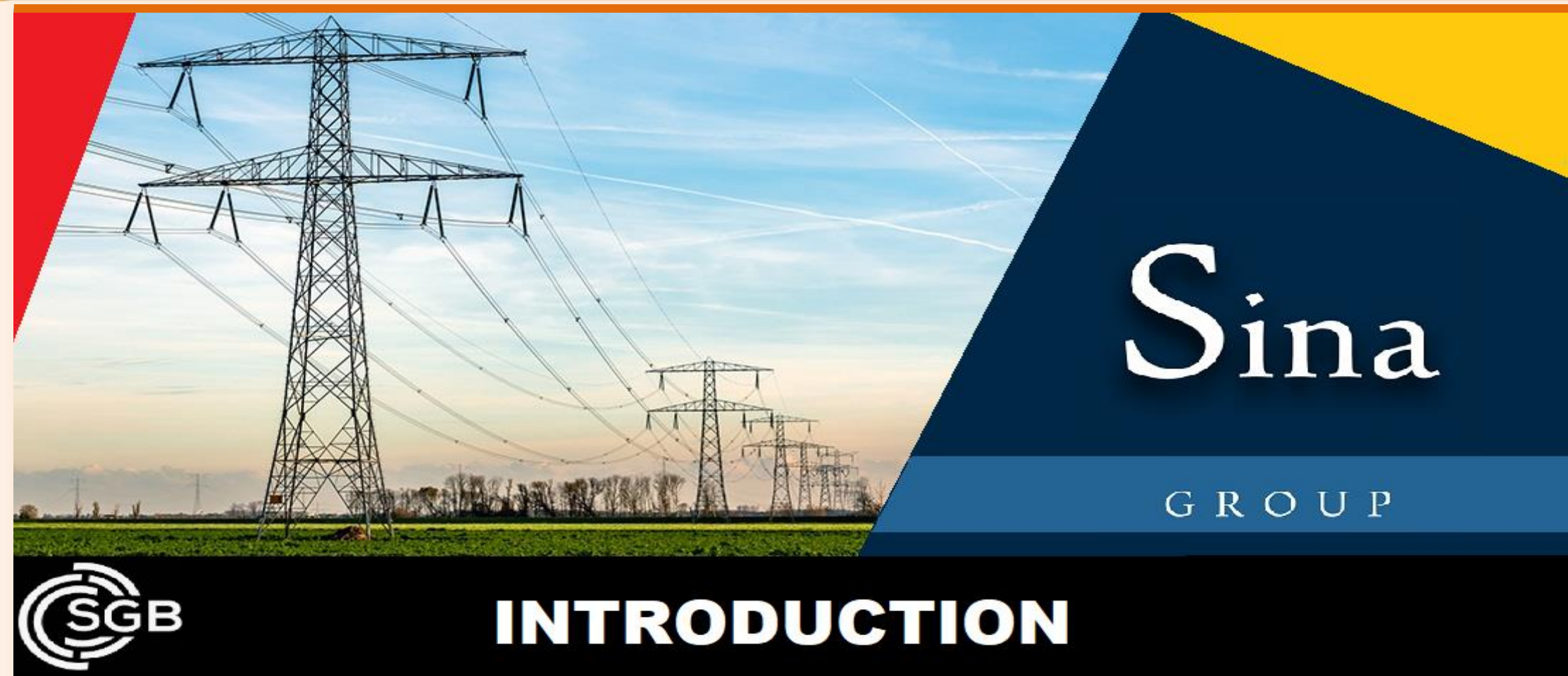
Company Mission

- Design and Construct All Types of Substations with Various Voltage Levels (LV & HV)
- Automation, Protection, and Control Substations
- Construct the Electrical Power Facilities
- Construct various Types of Transmission Lines
- Installation of Air & Underground Cables
- Establish Telecommunication Facilities
- Make Automation systems including PLC & DCS

Experiences

More than two decades experience in engineering, consulting, equipment procurement, and the execution of power transmission projects for industrial complexes, industrial electrical installations, high-voltage substations, and energy transmission lines. The company offers engineering solutions and procures and constructs substations and high-voltage transmission lines. Company mission is cooperating with foreign companies and do the international projects.

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We are pleased to announce that Sina Group Behsan, with more than two decades of experience in engineering, consulting, equipment procurement, and the execution of power transmission projects for industrial complexes, industrial electrical installations, high-voltage substations, and energy transmission lines, is actively engaged in these fields. Leveraging the expertise of our managers and specialized technical staff, the company offers engineering solutions and constructs substations and high-voltage transmission lines.

We have been a reliable partner for the technical and technological needs of major steel complexes in the country, including Hormozgan Steel Complex, Kish South Kaveh Steel, Alborz Nab Arash Steel, Fooladkaran Ofogh Rolling Mill, Bafgh Steel, Bardsir Steel, Sangan Steel, Salafchegan Steel, Negin Abhar Alloy Steel, and other mother industries such as Gachsaran Petrochemical, Rasha Caspian Iranians Paper. Our goal is start cooperation with other international companies around the world. Our employees are the best experienced engineers and they are able to speak English fluently in order to go on a mission abroad.



Mission

OUR MISSION is to develop and maintain business relationships with foreign companies, ensuring high quality standards in the field of engineering, manufacturing and construction of power substation based on years of knowledge and tradition, innovation and strong social responsibility.

Vision

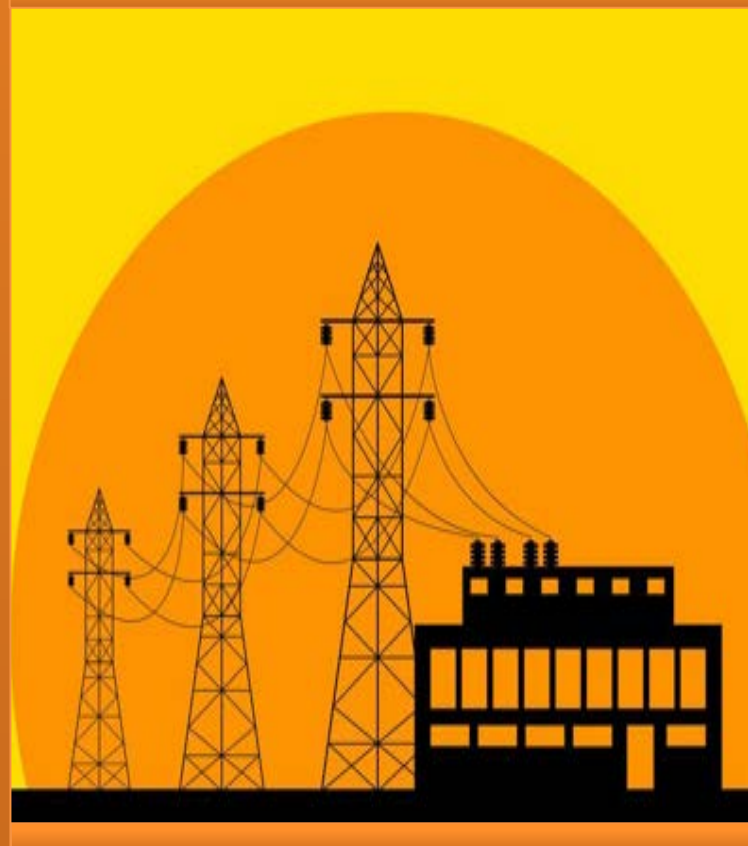
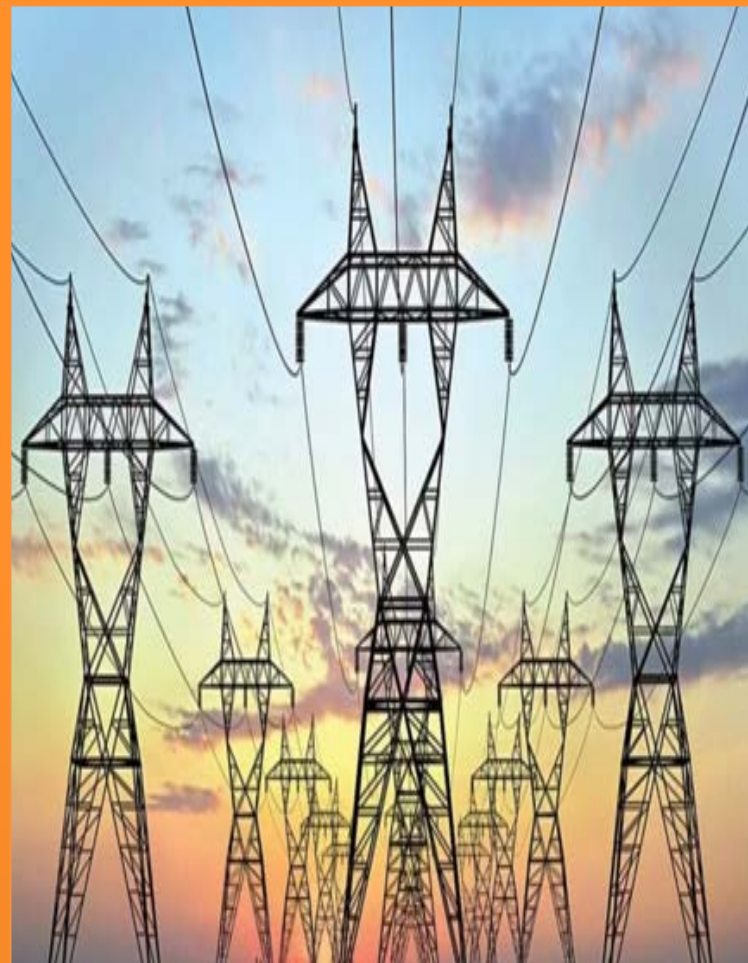
OUR VISION is to become a leading international company in the provision of comprehensive and high-quality services in the field of engineering, manufacturing and construction of power substation by strengthening our position in foreign markets, contracting new business and penetrating into new markets.

SGB Company Services

Sina Group Behsan Company experiencing more than two decades of highly expert managers and staff in the field of general contracting, meditates to provide significant services to its customers with exploiting the up-to-date international facilities, various equipment, and software. Sina Group Behsan Company, with the help of its experienced managers and technical staff, provides consulting services, engineering and detailed design, preparation of technical drawings, supervision, implementation and management in the following areas:

- Design and Construct All Types of Substations (LV & HV).
- Power Transmission Lines
- Design Power Systems
- Construct the Power Plant Projects
- Implement the Power Systems
- Protection of Power Systems
- Maintenance of Power Systems

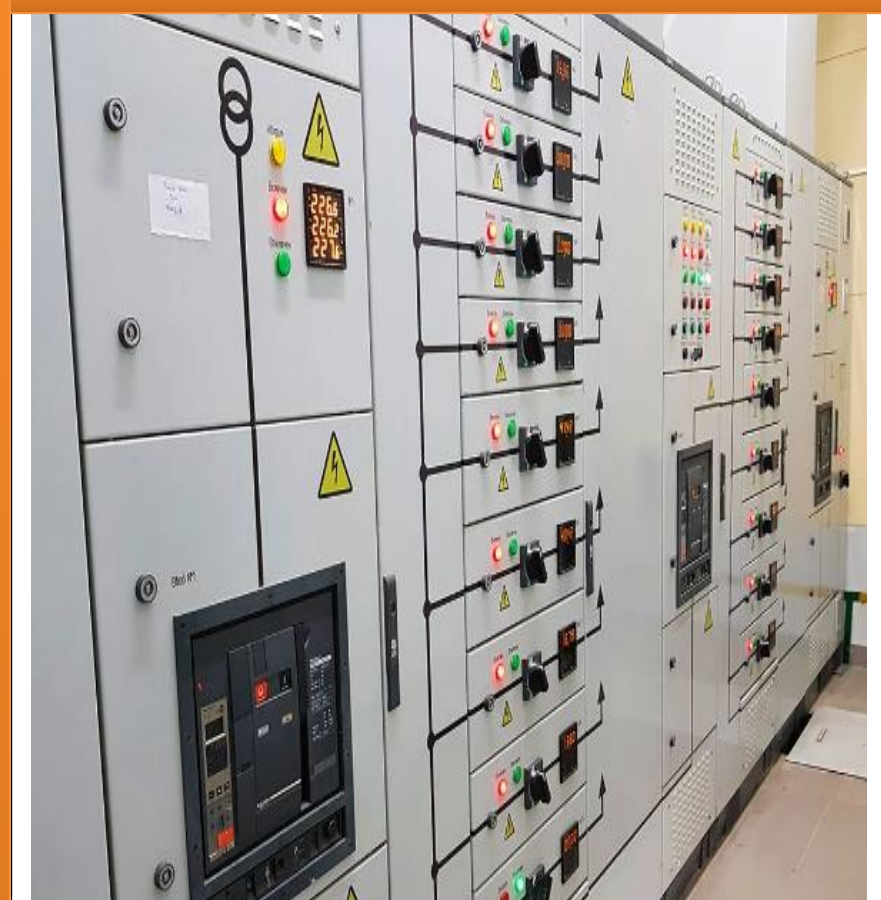
We strongly believe that coordinating and integrating in engineering activities, not only leads in synergy, but it also increase the velocity of projects and their overall quality level, and provide ever increasing customer satisfaction.



Sina Group Behsan & Substation

Substations are a complex facilities involved in the power transmission system and distribution of electricity. Substations control the voltage of electricity so that high quality electricity can be carried efficiently with low loss. The construction of electrical substation consists of several stages: survey, design, civil works, electrical work, testing and commissioning. In Sina Group Behsan Company this process is carried out by multidisciplinary team of specialists using modern equipment, extensive experience, and technical knowledge in various fields. Construction of the electrical substations in Sina Group Behsan Company has several stages such as:

- ✓ Preparation of construction site.
- ✓ Laying the foundation and supply the networks.
- ✓ Automation, protection, & control the substations.
- ✓ Installation of electrical equipment.
- ✓ Installation of auxiliary systems.
- ✓ Configuration of auxiliary systems.
- ✓ Testing and commissioning.



*Sina Group Behsan Company
Services***Engineering****Manufacturing****Construction**

Sina Group Behsan is a modern organization that provides engineering, manufacturing, and construction services. The company has specialized in carrying out contract works in the following areas:

- ✓ Electrical Power Facilities
- ✓ Substation of All Types and Voltage Levels
- ✓ Installation of Air & Underground Cables
- ✓ Telecommunication Facilities
- ✓ Production of Suspension and Jointing Equipment for All Types of Transmission Lines & Substations.

Sina Group Behsan Company currently has more than eighty employees. Most of them are authorized architects and engineers of various professions such as electrical and Power engineers, Civil engineers, and Architectures. With two decades of experience in urban and industrial electrification, a wealth of technical documentation, experienced staff, and the support of professional working groups in the fields of electricity, construction, and telecommunication, the SGB Company has managed to complete more than 30 substations throughout the country.

SGB Work Experiences

Engineering, Equipment procurement, Installation, and Commissioning of a 2Km, 63Kv Transmission line.	Rasha Caspian Iranians
Engineering, Equipment procurement, and construction of 2H power substation.	Tehran oil refinery
Construction, equipment procurement, installation, and testing of 20kv substation.	Shetabkar company
Construction of foundation, installing the tower & wiring.	SBREC company
Increasing the electric power to the substation of CNG division.	SAIPA Company
Installation of 20kv substation of main print house.	Hamshahri news paper
Equipment installation, testing, and commissioning of 20kV, 6.6kV, and 0.4 kV distribution networks.	Arya Pouya Wood Company (parko)
Construction, equipment procurement, installation, and testing of 20kv substation.	ISACO Company
Engineering, procurement, installation, testing, and commissioning of 20/63kv substation.	Kooshkan
Installation, testing, and commissioning of a 33/230-kv substation.	Alborz Nab Arash Steel
Engineering, substation equipment procurement & implementation of the SCADA system for 20/132 kv.	Shiblu Substation
Engineering and design of a Distributed Control System (DCS) for PDMS system.	Fulad Paya Company
Engineering, equipment procurement, installation, testing, & commissioning of the SCADA system.	Novin Electrode Ardakan
Engineering, installing, testing, and commissioning of the SVC system.	Hormozgan South Steel Complex
Installation, testing, and commissioning of the telecommunication and SCADA.	Hormozgan South Steel Complex
Engineering, equipment procurement, installation, testing, and commissioning of the telecommunications and SCADA system.	Salafchegan Steel Complex
Execution of construction operations, equipment procurement, installation, testing, and commissioning of the 2-km, double-circuit power transmission line.	Pars Hayat Industrial Complex.



In recent years, Sina Group Behsan has completed more than 70 projects, as detailed below:

- 1- Procurement, installation, testing, and commissioning of a 2km transmission line to Hormozgan Steel Complex and Fooladkaran Ofogh Rolling Mill.
- 2- Engineering, procurement, installation, testing, and commissioning of two 230-kilovolt overhead lines at the 63/230-kv Abhar Substation.
- 3- Engineering, procurement, installation, testing, and commissioning of the 20/63-kv Kooshkan Substation development project.
- 4- Equipment procurement, installation, testing, and commissioning of a 2-km, 63-kv power transmission line to Rasha Caspian Iranians Paper.
- 5- Engineering, equipment procurement, installation, testing, and commissioning of the 20/63-kilovolt substation for Rasha Caspian Iranians Paper.
- 6- Engineering, equipment installation, testing, and commissioning of 20kV, 6.6kV, and 0.4 kV distribution networks for Rasha Caspian Iranians Paper.
- 7- Equipment installation, testing, and commissioning of 20kV, 6.6kV, and 0.4 kV distribution networks for Arya Pouya Wood and Plywood Industries (Parko).
- 8- Equipment installation, testing, and commissioning of the 20/63-kv substation for Fooladkaran Ofogh Rolling Mill.
- 9- Testing and commissioning of the 33-kv power distribution network and switchgear for Kish South Kaveh Steel.

- 10-** Testing and commissioning transformers and medium voltage switchgear for the Kish South Kaveh Steel freshwater desalination unit.
- 11-** Installation, testing, and commissioning of the telecommunication and SCADA for Hormozgan South Steel Complex. Client: SMS INNSE Company.
- 12-** Provision of High-Speed Data Logging analysis services for investigating the cause of a power transformer incident at Hormozgan South Steel Complex. Client: SMS INNSE Company.
- 13-** Engineering, procurement, fabrication, and installation of three high-speed data logging systems capable of recording data from 150 current and voltage channels at Hormozgan South Steel Complex.
- 14-** Installation, testing, and commissioning of two longitudinal differential relays at the 33/230-kv Hormozgan Steel Complex substation.
- 15-** Conducting studies to assess the power network's quality at Hormozgan Steel Complex for sizing the Static VAR Compensator (SVC) system in its development section.
- 16-** Supervised installing, testing, and commissioning of the SVC system at Hormozgan South Steel Complex. Client: SMS INNSE Company.
- 17-** Coordination studies of protective relays at various voltage levels within Hormozgan South Steel Complex.
- 18-** Coordination studies of protective relays at various voltage levels within Bafgh Steel Complex.
- 19-** Installation, testing, and commissioning of the 6.6/63-kilovolt substation and 6.6kV, 4.0kV distribution network at Madkoosh Pelletizing Complex.
- 20-** Conducting studies to assess the power network's quality at Golgohar Steel Complex.
- 21-** Collaboration in installing and modifying dry transformers produced by TAMINI for the rolling line of Bafgh Steel. Client: TAMINI Italy.
- 22-** Participation in installing, testing, and commissioning EAF and LF transformers and assessing the SVC system's performance at Iranian Bardsir Sirjan Steel. Client: Foolad-Gostare-Khavarmiyane Company.
- 23-** Installation, testing, and commissioning of a 33/230-kilovolt substation for Alborz Nab Arash Steel. Client: EGESIM Turkey.

- 24-** Conducting tests and preventive maintenance (PM) on the 20-kilovolt distribution network and transformers for North Compressed Wood Industry.
- 25-** Execution of construction operations, equipment procurement, installation, testing, and commissioning of a 2-km, double-circuit power transmission line to Pars Hayat Industrial Complex.
- 26-** Preliminary and detailed engineering for developing two 230-kilovolt overhead lines at the Saran Substation (11/33/230 kv) for Khoozestan Regional Electricity Company.
- 27-** Preliminary and detailed engineering for constructing a dedicated 33/230-kv substation for the Gachsaran Petrochemical Complex.
- 28-** Preliminary and detailed engineering for a 230-kv double-circuit power transmission line to the dedicated substation of Gachsaran Petrochemical Complex (2 km).
- 29-** Conducting tests and preventive maintenance (PM) on the 20/63-kv power distribution network and substation for Arya Pouya Wood Industries.
- 30-** Preliminary engineering, equipment procurement, telecommunications, and SCADA system installation for the 33/400-kv substation at Sefid-Dasht Steel Complex. Client: Foolad Paya Engineering Company.
- 31-** Preliminary and detailed engineering for constructing three 6.6/33-kilovolt substations for the Sangan Steel Complex.
- 32-** Preliminary and detailed engineering for constructing three consumer distribution substations (Utility) for Sangan Steel Complex.
- 33-** Preliminary and detailed engineering for constructing a 33-kilovolt power distribution line for Sangane Steel Complex.
- 34-** Engineering, equipment procurement, and implementation of the SCADA system for the 63/230-kv substation development project in Miyaneh.
- 35-** Engineering, equipment procurement, and implementation of the SCADA system for the 20/132-kv Shibli Substation.
- 36-** Preliminary and detailed engineering and implementation of the 20/63-kv substation development project at Rasha Caspian Iranians.
- 37-** Project management for procuring a 120MVA furnace transformer for the Khorasan Steel Complex from TAMINI, Italy.

- 38-** Installation of equipment, cable laying, wiring, testing, and commissioning of 20kV, 6.6kV, and 4.0kV panels at Alborz Nab Arash Steel Complex.
- 39-** Provision of operational services for the 20/63-kilovolt substation at Parko MDF Complex.
- 40-** Provision of operational services for the 20/63-kilovolt substation at Rasha Caspian Iranians Paper.
- 41-** Conducting tests and preventive maintenance (PM) for power transformers and panels (20kV, 6.6kV, and 4.0kV) at Rasha Caspian Iranians Paper Complex.
- 42-** Installation, testing, and commissioning of the electrical and mechanical sections of EAF, LF, CCM, SVC, WTP, FTP, and MHS units at Alborz Nab Arash Steel Complex.
- 43-** Procurement of two 33-kilovolt transformer bushings (400/33KV–110MVA) for Bafgh Steel Complex from TAMINI, Italy.
- 44-** Preliminary engineering, equipment procurement, installation, testing, and commissioning of the telecommunications and SCADA system for the 11/33/63-kilovolt Bandar-Abbas Desalination Substation and the 63/230-kilovolt Latidan Substation (Persian Gulf). Client: Amin Construction Procurement and Planning Company.
- 45-** Engineering services and coordination of protective relays for Hormozgan South Steel Complex.
- 46-** Engineering and high-level supervision of CCM and CCM-WTP machinery in electrical, automation, instrumentation, piping, cranes, architectural, and construction sectors for the Esfarayen Industrial Complex.
- 47-** Installation, testing, and commissioning of the power distribution network and water treatment unit panels for Bafgh Steel Complex.
- 48-** Installation of equipment and commissioning of the 20/63-kilovolt substation for Pardis Azarbaijan Trading Industries Complex, Salafchegan Steel.
- 49-** Installation of equipment and commissioning of the 20/63-kilovolt substation for Pardis Azarbaijan Trading Industries Complex, Salfchegan Steel (under construction).
- 50-** Execution of construction operations, installation, and commissioning of a 63-kilovolt power transmission line to Salafchegan Steel Complex (5.3 kilometers).

- 51-** Preliminary engineering, equipment procurement, installation, testing, and commissioning of the telecommunications and SCADA system for the 33/230-kilovolt Alborz NAB ARASH Steel Complex substation and the development of two 230-kilovolt overhead lines at the 63/230-kilovolt Abhar Substation (in progress).
- 52-** Preliminary and detailed engineering and the implementation of the SCADA system for the 20/63-kilovolt Rasha Caspian Iranians Paper Complex.
- 53-** Procurement of five MK6E meters compliant with market requirements and two Schneider power analyzers for the measurement panels of ARSH NAB Alborz Steel Complex and the development of two 230-kilovolt overhead lines at the 63/230-kilovolt Abhar Substation.
- 54-** Procurement of spare protective relays (ABB and MICOM brands) for the 20/63-kilovolt substation at Arya Pouya Wood Industries Complex.
- 55-** Procurement of three MK6E meters compliant with market requirements and two Schneider power analyzers for the measurement panels of the 20/63-kilovolt substation at Pardis Azarbaijan Trading Industries, Salafchegan Steel Complex.
- 56-** Conducting preliminary and detailed design operations for constructing a 20/230-kilovolt AIS substation, the associated 230-kilovolt transmission line, engineering services, and oversight of procurement operations (under construction).
- 57-** Engineering and supervision of the construction of high-pressure elbow forming machines "6 to" 24, Saze Gohar Company.
- 58-** Engineering and supervision of the zinc (Zn) construction concentrate anode and cathode production line for Parsian Catalyst Company.
- 59-** Engineering and construction of bimetallic iron-bronze production line, Iran Powder Metallurgy Parts Company.
- 60-** Engineering of the zinc (Zn) concentrate flotation unit for Bafgh Lead & Zinc Smelting Company.
- 61-** Procurement of revenue metering equipment for the 20/63-kilovolt substation at Pardis Azarbaijan Trading Industries (Salafchegan Steel Complex).
- 62-** Preliminary and detailed engineering of telecommunications and SCADA systems for the 11/132-kilovolt substations Lamerd and Kangan as part of the Crude Oil Transfer Pipeline Project.
- 63-** Construction of a 20/63-kv substation and a 63-kv line for the Negin Alloy Steel Complex, including engineering services and procurement.

- 64-** Engineering procurement of transformers for Kian Almas Alamoot Paper Mill Complex.
- 65-** Construction of a 0.4/6 & 6/20-kv internal substation at Rasha Caspian Iranians Paper Mill Complex, including engineering services and procurement.
- 66-** Engineering, equipment procurement, installation, testing, and commissioning of the telecommunications and SCADA system for the 20/63-kilovolt dedicated substation at Pardis Azarbaijan Trading Industries, Salafchegan Steel Complex.
- 67-** Engineering, equipment procurement, installation, testing, and commissioning of the telecommunications and SCADA system for the 20/230 kv dedicated substation at Novin Electrode Ardekan Complex (in progress).
- 68-** Preliminary and detailed engineering for constructing a dedicated 0.4/66 kv substation and internal distribution for developing the Siahmakan Oil Field Complex, including engineering services and procurement oversight. Client: National South Oilfields Company (in progress).
- 69-** Electrical and mechanical engineering and design of instrumentation and control buildings, pump house number 4 for the Jask Crude Oil Pipeline project. Client: Trans Post Pars Company.
- 70-** Procurement and engineering procurement of power switches, and grounding disconnector for the 33/400-Kv Sepiddasht Steel Complex from TAIKAI China. Client: Foolad Paya Company.
- 71-** Engineering and design of a Distributed Control System (DCS) for the Power Distribution Management System (PDMS) at Sepiddasht Steel Complex. Client: Foolad Paya Company (in progress).
- 72-** Procurement and engineering procurement of Flexible Power Rails for the transformers of the furnaces at Pasargad Steel Complex. Client: Pasargad Steel Company.
- 73-** Procurement and engineering procurement of three 72.5-kv 4000A current transformers for the 33/400-kilovolt Sepiddasht Steel Complex from PFIFFNER Turkey. Client: Foolad Paya Company.
- 74-** Execution of activities related to installing, testing, and commissioning various Instrument equipment at all points within the Chaharmahal and Bakhtiari Steel Site. Client: Foolad Paya Company.