

Projects

Tabesh Tablo Shargh is an active industrial solution provider and EPC contractor, re- puted for its high standard performance in many national and international pro- jects in fields, including but not limited to; oil and gas, petrochemical, power, mine and metal, and water treatment and transmission

Industries We Serve

Water Treatment and Transmission: Including projects like the Kordestan Water Transfer Pipeline and Tehran Water and Sewage Control Systems.

Oil and Gas: Delivering comprehensive electrical and control solutions for refineries and petrochemical plants.

Power Plants: Offering LV and MV switchgears, RTUs, and DCS solutions.

Metro and Railways: Supplying electrical panels and integrated systems for Tehran Metro Line 6.

Petrochemical and Steel Industries: Custom-designed systems for large-scale operations.

Key Projects

Kordestan Water Transfer Pipeline: Implemented automation based control for a 300-km water line.

Tehran Water and Sewage Supply: Advanced salinity monitoring and control systems for irrigation and urban water management.

Pasargad Iron and Steel Complex: Designed and installed intelligent transducers and RTU solutions for optimized energy management.

Isfahan Oil Refinery: Manufactured sliding SIVACON panels with superior protection ratings and operational efficiency.

South Pars Gas Complex: Delivered state-of-the-art ethylene gas transportation and control systems.

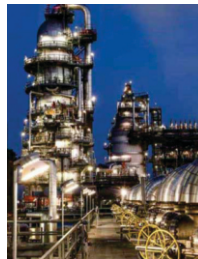
Electric Power Industry



Water Industry



Petrochemical Industry



Oil and Gas Industry



Water Industry

Kordestan Water Transfer Pipeline Client

Kordestan Regional Water Company

Location: Tehran

Contractor: Wall Mounting-Surface

Plant Characteristics:Components:

a Redundant SCADA Center well-equipped with a six-cube Large Scale Display

21 RTU/PLC's for data gathering and redundant controlling for 12 stations including

Reservoirs Stations, Pressure Reduction Stations, Pump House Station and Water

Treatment Station -10 LHMI for local monitoring Key Data:

300 km wwater transfer line -2000 data points -Local control in 12 interacting

stations including flow control and level Control in high pressure conditions

Scope of work: EPC



Tehran water and sewage supply and settlement company

Client: Tehran water and sewage supply and settlement

Location: Tehran

General Contractor: Tabesh Tablo Shargh

C&I Contractor: Tabesh Tablo Shargh

Objective :

Control of river water against Salty Sea Water for irrigation

of date palms gardens (28000 Hectares)

Plant Characteristics :Tabesh Tablo Shargh

Scope of work:Tabesh Tablo Shargh

- Engineering of electrical and control system .
- Medium voltage 36 KV switchgears .
- Low voltage 660 V MCCs & distribution 0.4 KV panels .
- Emergency power supplies, fire detection, diesel generator sets .
- Computerized control systems with radio links .
- Salinity measuring points & other physical parameters .



Bahar Water Supply Company

Client: Bahar Water Supply

Location: Esfahan

General Contractor: Tabesh Tablo shargh

Isfahan Airport Project

Objective :

SCADA system Hardware and software & Local Control .

Components :

- A Redundant SCADA Center well-equipped with a six-cube Large Scale Display.

21-RTU/ PLC's for data gathering and redundant controlling for 12 stations including Reservoirs Stations, Pressure Reduction Stations, Pump House Station and Water Treatment Station .

10- LHMI for local monitoring

Key Data :

300 km water transfer line

200 data points

- Local control in 12 interacting stations including flow control and level control in high pressure conditions

Tabesh Tablo shargh Scope of work: EPC

Petrochemical Industry

Shafab Engineering Company

Hero Project of Isfahan Oil Refinery

Location: Esfahan

General Contractor: Shafab Engineering Company

Status: In progress

Objective: Integrated Process Control System (IPCS) for Onshore facilities included 11

Instru- ment Technical Room (ITR) and 30,000 HW I/ O as following:

39 - Process Control System (PCS) based on TTSH-DCS (Persia A)

13- Emergency Shutdown System ESD

13- Fire & Gas system FGS

11- Ultimate Safety Systems USS

2 - High Integrity pressure Protection System HIPPS

Low Voltage (LV) switchgears included panels of 9 main substations as detailed description

To feed diversified customers around 2,200 loads like distribution, MCC feeders as well as - VFD drivers in 28 switchgears

Plant Characteristics:

Daily Production of 50 Mmscm/d treated gas for domestic consumption:

Annual Recovery of 1,000,000 tons of ethane, as feedstock for petrochemical industries

Annual Recovery of 1.05 million tons of premium grade LPG for export

Daily production of 75,000 barrels of stabilized and de-sulfurized condensates for export

Daily Recovery of 400 tons sulfur for export

Tabesh Tabli Shargh Scope of work:

Engineering

Procurement

Manufacturing

Training

Supervisory on commissioning & Installation

FAT & SAT



Tavana Industrial and Civil Engineering Company

Client: South Pars Gas Complex Ninth Refinery Project

Location : Boshehr

C&I Contractor: Tabesh Tablo Shargh Co .

Status: Site Acceptance Test (SAT)

Objective: NPC/PIDEMCO have intended to perform ethylene gas transportation pipeline and gas compressor station from Assaluyeh and GACH - SARAN coasts to BOSHEHR for petrochemical plants with a 24" gas transmission pipeline and some gas compressor stations .

Tabesh Tablo Shargh: Scope of work

supply of all equipment, commodities, apparatus and materials in the fields of electrical, instrument, control and telecommunication systems with all auxiliary and accessory items



Gachsaran Petrochemical Company

Hero Project of Isfahan Oil Refinery

Location: Tehran

Part Features : Tehran

Responsible for project : Gachsaran Petrochemical Company

Status: In progress

Objective: Integrated Process Control System (IPCS) for Onshore facilities included 11 Low Voltage (LV) switchgears included panels of 9 main substations as detailed description To feed diversified customers around 2,200 loads like distribution, MCC feeders as well as VFD drivers in 28 switchgears Plant Characteristics:
Daily Production of 50 Mmscm/d treated gas for domestic consumption:
Daily production of 75,000 barrels of stabilized and de-sulfurized condensates for export



Pars Oil Refining Company

Project Description : Furfural Units Super Cooler Project

Location: Tehran

Objective :

Rittal T-8000 series static electrical panels with a minimum protection rating of IP 43. The panels' bodies are made of oiled sheet metal produced by Mobarakeh Steel Company, sheet fabric type, and covered with electrostatic paint RAL7035. Locks, hinges and other fittings made of high-quality material with chrome plating or similar coating .

Design, manufacture and test electrical panels in accordance with standards IEC61439 .



Electric Power Industry

Kaison Power Plant Electric Company

Project Description: Nain Solar Power Plant Interior Electrical Panel

Responsible for project: Kaison Power Plant Electric Company

Location: Tehran

General Contractor: Tabesh Tablo Shargh

C&I Contractor: Tabesh Tablo Shargh

Status: Finished

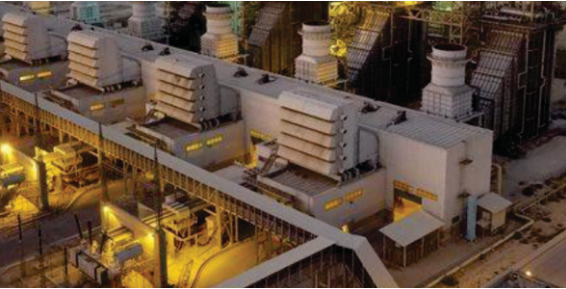
Objective :

Supervision and control of transmission network of six Provinces .

Plant Characteristics :Totally it contains 26 units of 400 KV and 230kv stations in first phase and it is foreseen for expansion of 50 stations in second Phase.

TTSH Scope of work :

- Design, manufacturing & installation of 16 RTUS
- Linking of 14 available RTUs in region to new center .



Rahavard Energy Company

Client: Rahavard Energy Company

Consultants: Semnan Power Plant

Location: Tehran

The Wall & Standing

Objective: Number of PLC Cabinet: 2

Material: Galvanized Steel Sheet

Color of Panel: RAL 7035, Thickness 80 micron

Degree of Protection: IP44

Power Connection (Incoming/Outgoing):Bottom/ Cable

Type Of Cubicle: Self Stand, Fixed Type

Thickness of Panel: 2mm

Dimensions: Height: 2100 mm(include 100mm plinth)

Width: 800 mm, Depth: 600 mm

Accessories :Proper Lock, Hinges, Dust Filter for air intake openings, A4 Drawing Pocket, etc

Tabesh Tablo Shargh Scope of work :

-Design, manufacturing & installation of 16 RTUS

Linking of 14 existing RTUs in region to new center .

-Design, manufacturing & installation of SCADA center

-Linking between National Dispatching Center (SCC),

Power Plant

The Power Plant Department technical experts have been providing customers with comprehensive solutions using internally developed Distribution Control System software and products such as LV & MV switchgears and RTUs. Moreover, the engineers in this business unit are experienced in integrating other brands' products such as ABB ADVANT-RRESY System, ABB ADVANT-IT 800 XA DCS, ABB RTUs and Siemens PCS7 DCS, within this department's solutions. This business unit is fully capable of providing support and services in the following fields: project Management

designing, manufacturing, installation, and implementation of distributed control systems DCS

design, manufacturing, installation, and implementation of LV, MV, MCC

design, supply and installation of Fire alarm systems

design, installation, and implementation of Protection systems

design, installation, and implementation of Auxiliary Mechanical systems

design, supply and installation of cabling and grounding systems

design, supply and installation of RTU panels

design, supply and installation of central clock system panels and time synchronization

design, supply and installation of Mimic panels and equipment for control rooms and industrial networks - training - after sales services and warranty

design, supply, installation and implementation of project instrumentation

This SBU is also capable of providing its customers with general solutions; from design final implementation steps in electrical, control and instrumentation of Hydro, Gas and Thermal power plants, Water - pumping stations and Mine Industries including steel and copper



Industry and mining

Pasargad Iron and Steel Complex

Client: Pasargad Iron and Steel Complex

Responsible for Project : Mr Kohansal

Location: Tehran

General Contractor: Tabesh Tablo Shargh Co

C&I Contractor: Tabesh Tablo Shargh Co

Status: Finished

Pasargad Iron and Steel Complex distribution and production network with a new one Plant Characteristics Pasargad Iron and Steel Complex production and distribution network With the capacity of about 150MW in two steam power Plants, one gas Power plant, one 230KV, three 63KV,ten10.5 KV, Seventeen 6.3 KV station(s) Totally 34 stations .

TTSH Scope of work:

Design, manufacturing & installation of about one Thousand three phase intelligent Transducers, harmony measurement system and event Recorder , Design, manufacturing & installation of 34 RTUS.

Design, manufacturing & installation of a control center so that all hardware components and computer network are redundant and each workstation connects to two monitors .





Metro

Customer: Chilco Company

Project Description :Ken and Kashan subway signs

Place of Installation:Tehran Metro Line 6 electrical panel

Supply of electrical panels for equipment spaces of stations 1-2 (Kuhsar), X6 (Shahr Ziba), and Y6 (Shahrn), and inter-tunnel fans W6X6 and X6Y6 of the northern section of Line 6 of Tehran Metro.

Due to the ability of this unit as a total solution provider in utilization of its related researches and experiences with the technical knowhow of its foreign partners and suppliers, TTSH railway department is currently known as one of the major EPC contractors in this field. In consideration of the overall company strategy, the Rail Transportation department of TTSH has been providing its customers with different services in project management, planning, engineering, procurement, implementation and operation.