



TAVANEKAR  
I D E H

Design, Erection, Commissioning of

Industrial Automation & Instrument plants

Is our Specialty



## TAVANEKAR IDEH

**TAVANEKAR IDEH** was established in 1993, with providing services in design and construction of electrical installations .

**TKG Co.** , is determinant with firm belief , in the context of the adopted resolution and policies , to provide engineering , installation and commissioning services at higher quality through professional personnel , furnishing a sort of good mind for managers and office holders who are responsible as the parties dealing with implementation of these projects , by taking advantage of the updated world standards rendering double efforts and endeavors for continuous promotion , optimization and enhancement of the engineering quality .

## TKG Co.'s engineering design department

TAVANEKAR IDEH Co. by enjoying its own scientific and technical experiences , extended its activities to Industrial Automation projects including process control applications based on PC, PLC,DSC, RTU, instrumentation, explosion proof switch boards, telemetry, SCADA and other engineering services , by taking advantage of the recognized standards of SIEMENS , ALLEN-BRADLEY , OMRON ,ABB , YOKOGAWA and software such as STEP 7 ,WINCC, WINCC FLEXIBLE , OPC, RS LOGIX , PICOSOFT, and ... which can be described as follows :

## Process and AUTOMATION department

TKG Co.'s engineers have professional experience in design of following processes :

- ◆ Industrial AUTOMATION services including:
  - Study of the production process to provide a plan for development and reconstruction
  - Repair and maintenance, change and reconstruction of the system for electrical and control system optimization
  - Design, construction and commissioning of control panels including DCS/PLC
  - Software design, implementation DCS/PLC and monitoring software by IEC/BS standards
  - Equipment provided by Siemens ,Allen Bradley, Omron
  - Design and manufacturing of data collection boards (Data Acquisition) digital, analog, RS-233; RS-485; RS422
  - Renovation of old electronic devices such as alarms annunciator, controllers and ...
  - Design and manufacturing of electronic boards such as control specific boards for measurement of physical Factors (temperature, pressure, humidity, length, weight)

**TAVANE**



**KAR**



**IDEH**

## **We have introduced some of our projects as bellow :**

- Design, installation and commissioning of electric system and I&C for Karaj Zar flour factory**
- Supervision and commissioning of PFTP section for Almahdi Aluminum factory**
- Design, installation and commissioning of electric system and I&C of Zar makaron company**
- Design and Supervision of building management system of Mapna company**
- Software development of event recorder for Tehran regional electricity**
- Design, installation and commissioning of plc control system for Karaj Zar flour factory**
- Design, installation and commissioning of mill3 control system for Karoon agro industry company**
- HMI/PLC Software development for power management system(PMS) of Noor Abad plant**
- Design, installation and commissioning of water treatment control system for Khatoonabad copper smelting factory**
- Design, installation and commissioning of flour control system for Zar makaron factory**
- Design and installation of crude oil pump station control system for Lavan island**
- Design and installation of bagging control system for Karoon agro industry**
- Design , construction of control panel cabinet for Razi petrochemical water branch**
- Training courses of control system Karoon agro industry**
- Design, installation and commissioning of Hormozgan steel RO water plant(HOSCO)**
- Design, installation and commissioning of 12 plcs panels in paint shop for Saipa Kashan**
- Design, installation and commissioning of control system of tank storage facilities for:**
  - Behregan airport(NIOC)**
  - Shahid rajai port ( Banagostare karane)**
  - Malayer oil depot (NIODC)**
  - Heavy oil storage for Loshan power plant**
  - Heavy oil storage for Bandar Abass power plant**
  - Oil storage of arak shazand refinery**
- Control system of transfer conveyer lime for Isfahan steel company(ESCO)**
- Control system of ship loader for Shahid Rajai port**
- Changing the air conditioning controllers and implementation of BMS system for Nashre Rooztab**

## INSTRUMENT DEPARTMENT:

Installation and engineering procurement service of different types of:

- Pressure, Level & Temperature measurement systems.
- Flow measuring system (ultrasonic, electro magnetic ...)
- Analyzers measurement systems.

Tavanekar Ideh offers the following instruments:

Pressure transmitter  
Differential pressure transmitter  
Diaphragm  
Flow switch  
Level switch  
Thermocouples and accessories  
Control valve  
System pressure calibrator  
Manual pumps  
Calibration  
Recorder

Barometer  
Accurate barometer  
Pressure controller  
Flowmeter  
Level indicator  
Termo meter  
Regulator  
Calibration equipments  
Pressure and vaccum pumps  
Current to pressure transducer

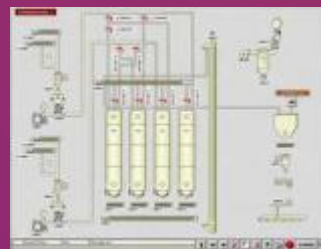
Our suppliers brands are as below



Some of our instrument customers are as below

<b>ROW</b>	<b>CLIENT</b>	<b>DEVICES</b>	<b>MFR</b>
1	Nigc illam	Digital Level Indicator	Muller Industries(Germany)
2	West Oil & Gas	Gas Regulator	Fisher(USA)
3	Oil Refinery BandarAbass	Go proximity Switch	Topworx(USA)
4	Chemical Industrila of iran	pressure Transmitter	Rosemount(USA)
5	NIGC Khangiran	Controller Card	Gent by Honeywell(USA)
6	NIGC Khangiran	Chasis 7 Slot Rack	Allen Bradley(USA)
7	West Oil & Gas	Flow Transmitter	Honeywell(USA)
8	NIGC Khangiran	Programmable Logic Controler	Allen Bradley(USA)
9	Oil Refinery Shazand	Isolator barrier	MTL(UK)
10	NIGC Khangiran	Vibration Monitor System	Bentley Nevada(USA)
11	Oil Refinery BandarAbass	Solenoid Valve	Atos(ITALY)
12	West Oil & Gas	Pressure Measurement	Endress Hauser(GERMANY)
13	NIGC Khangiran	Level Transmitter	Vega(GERMANY)
14	NIGC Khangiran	Programmable Logic Controler	Allen Bradley(USA)
15	Oil Refinery BandarAbass	DCS-3000 CARD	Honeywell(USA)

# Customer satisfaction, Best Quality is our concern



## **TAVANEKAR IDEH**

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