

## گروه رستاک



راهبران سیستم رستاک  
Rahbaran System Rastak

Training and Consulting in  
Management

[www.rsrastak.com](http://www.rsrastak.com)



شرکت مهندسی رستاک پویا  
Rastak Pouya Engineering Co.

Electrical and Instrumentation  
EPC Contractor

[www.rastakco.com](http://www.rastakco.com)



شرکت مهندسی شاهین انرژی  
Shahin Energy Engineering Co.

Package Supplier of field  
instruments

[www.shahinenergy.com](http://www.shahinenergy.com)

# Rastak Group

[www.rastakco.com](http://www.rastakco.com)



## Introduction

**Rastak Pouya Engineering Company** is a well-known Iranian private joint stock company that founded in **2006**.

Rastak Pouya Co. provides **Design, Procurement, Installation and commissioning (EPC)** services in **Electrical, Instrumentation and Control Systems** in various industries such as:

- Oil, Gas and Petrochemical Plants
- Power Plants
- Mineral and Steel Industries
- HV Substations and Transmission Lines





## Scope of Work



### Electrical

- High Voltage Substations
- MV and LV Switchgears
- Protection Systems
- UPS, AC/DC Systems and Batteries
- Power Cables
- Cable Tray, Ladder & Accessories
- Diesel Generators
- Oil/Dry Transformers
- Earthing and Lightning Systems
- Lighting Systems
- Transmission Lines

### Instrumentation and Control Systems

- Field Instruments (Transmitters, Gauges and Switches)
- Control Systems, PLC, DCS, ESD
- Fire Alarm system
- Control and Instrument Cables

### Telecommunication

- Telephone and Paging System
- Central antenna systems
- CCTV System
- LAN System
- Fiber Optic Cables





## Big Picture

More Than

**15** Unique Clients



More Than

**500** Employees

**150**  
permanent staff



**350**  
temporary staffs  
at sites

More Than

**48** Projects  
within **14** Years





## Big Picture

More Than  
**85** Contracts with Mapna Group  
(Rastak & Shahin Energy)



Selected as  
The **Best Contractor** in  
the year 2015 by Mapna



Selected as  
**Member of APEC**

(Association of Petroleum Industry Engineering and Construction Companies)



**Grade 3 in Power**



**All Members of Board  
are PMI Certified**



## Big Picture

Statistics of installed Electrical and Instrumentation systems by **RASTAK**

Description	QTY	Unit	Remark
Panels	3,000	Cells	MV, LV, AC/DC, Charger, Control, Lighting, Fire Alarm Panels
Cable	4,300	Km	MV, LV, Control, I&C, Fiber Optic
Field Instruments	10,000	PCS	Gauges, Transmitters, switches
Transformers	220	Sets	Oil, Dry
Cable Ladder/Tray	240	Km	Different Sizes
Support	800	Tons	





## Oil and Gas Projects

# Oil & Gas Projects





## Oil and Gas Projects

### South Pars Gas Field – Phase 13

**Owner:** POGC

**Main client:** Mapna Group (Neyr Perse)

#### Scope of Work:

- Installation and Pre-commissioning of Electrical Systems of 10 Main substations
- Installation and Pre-commissioning of Electrical Systems of Utility Units

#### Quantities of Work :

- **1000 KM** Cable Pulling
- **820 Cells** of MV and LV Switchgears
- **230 Cells** of UPS, AC/DC Chargers
- **130 Sets** of Power Transformers
- **70 KM** Cable Ladder and Trays
- Lighting system
- Earthing system

**300 employees @ peak**







## Oil and Gas Projects

### South Pars Gas Field – Phase 13





## Oil and Gas Projects

### BidBoland II Gas Refinery

**Owner:** PGPIC

**MC:** PIDMCO

**Main Contractor:** Sazeh-Jahanpars  
Consortium

**Client:** Jahanpars

**Scope of Work:**

Calibration, Installation and Pre-commissioning of Instrumentation and Control systems for 11 Zones, including:

- Control Panels including DCS, ESD and Fire Alarm Panels **(300 Cells)**
- Cable Pulling **(650 KM)**
- Cable Trays **(50 KM)**
- Field Instruments and Control Valves **(6000 PCS)**
- Support (230 Tons)
- Hook-up material
- Fire Alarm System

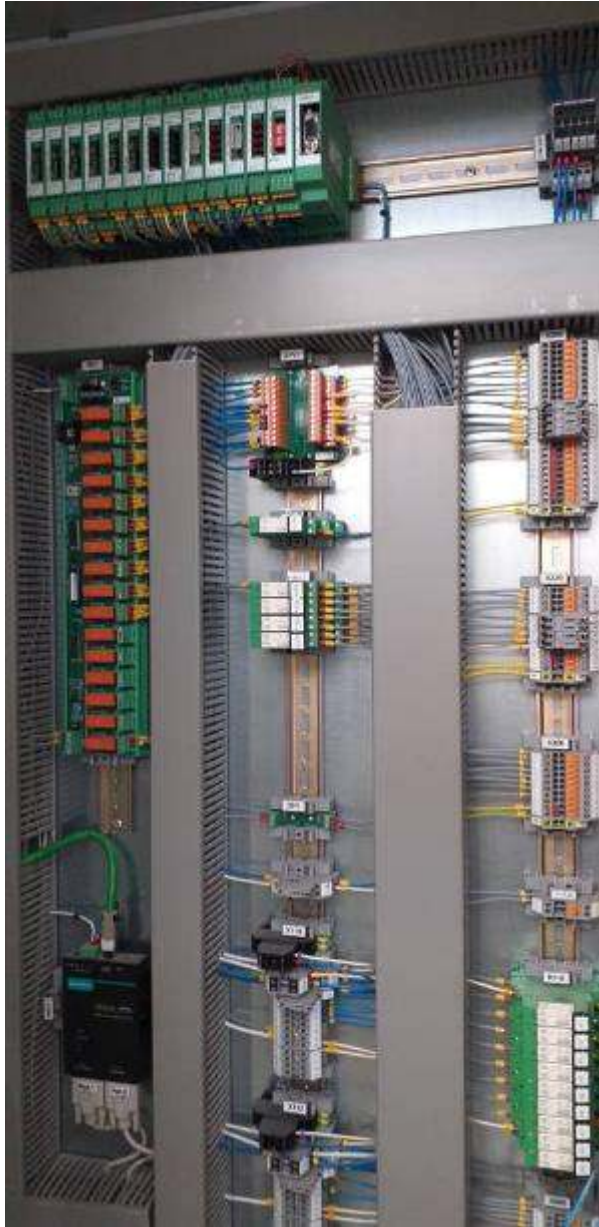


**250 employees @ peak.**













## Oil and Gas Projects



### South Pars Gas Field – Phase 19

**Owner:** POGC

**Main client:** PetroPars

**Client:** Mapna Group (Neyr Perse)

#### Scope of Work:

Installation and Pre-commissioning of Electrical and Instrumentation, including:

- Control System (DCS, ESD, Fire Alarm) Panels (60 Cells)
- Cable Pulling **(500 KM)**
- Field Instruments (2000 PCS)
- Cable Ladder and Trays (23KM)
- Earthing system
- Lighting system

**250 employees @ peak.**





## Oil and Gas Projects

### South Pars Gas Field – Phase 13 Steam Unit

**Owner:** POGC

**Main client:** Mapna Group (Neyr Perse)

**MC:** Mapna Boiler

#### Scope of Work:

Installation and Pre-commissioning of Electrical Systems, Control and Instrumentation, including:

- Electrical and Control Panels
- Cable Tray/Ladder
- Cable pulling
- Calibration and installation of field Instruments
- Lighting System
- Earthing



Selected as  
**The Best Contractor in  
the year 2015 by Mapna**







## Oil and Gas Projects

### South Pars Gas Field – Phase 15, 16

**Owner:** POGC

**Client:** Omran Sahel Co.

**Scope of Work:**

- Installation, Calibration and Commissioning of field Instruments for See Water Unit of South Pars-Phases 15&16

### South Pars Gas Field – Phase 22-24

**Owner:** POGC

**Client:** Omran Sahel Co.

**Scope of Work:**

- Installation, Calibration and Commissioning of field Instruments for See Water Unit of South Pars-Phases 22, 23 & 24.





## Power Plant Projects

# Power Plant Projects





## Power Plant Projects



### List of Power Plant Projects:

- **Hengam** Combined Cycle Power Plant (C)
- **Assaluyeh** Combined Cycle Power Plant (PC)
- **KhorramAbad** Combined Cycle Power Plant (PC)
- **Dalahoo** Combined Cycle Power Plant (C)
- **Jahrom** Steam Power Plant (C)
- **Samangan** Combined Cycle Power Plant (C )
- **Gol Gohr Sirjan** Combined Cycle Power Plant (C )
- **Chadormalu** Combined Cycle Power Plant (C )
- **Kahnootj** Combined Cycle Power Plant ( C )
- **Genaveh** Combined Cycle Power Plant (C )
- **Ardebil** Gas Power Plant ( Units 5 & 6) (EPC )
- **Shahrood** Combined Cycle Power Plant (C )
- **Zanjan3**( Soltaniye) Gas Power Plant (C )
- **Kashan** Gas Power Plant (C )
- **Chabahar** Gas Power Plant (EC )





## Power Plant Projects

### Hengam Combined Cycle Power Plant

**Owner:** TPPH

**Client:** Mapna MD3

#### Scope of Work in **Power Block**

Installation and Precommissioning of **Electrical systems**, including:

- Installation of PCCs
- Installation of MV Busduct and accessories
- Cable Pulling
- Installation of Cable Ladder & Tray
- Installation of Dry Transformers
- Earthing System



#### Scope of Work in **BOP**

Installation and Precommissioning of **Electrical and Instrument systems**, including:

- MV&LV Switchgears, AC/DC, UPS and Charger panels
- Installation of Diesel Generators
- Installation of Cable Ladder & Tray
- Cable Pulling
- Installation of Field Instruments



## Power Plant Projects

### Hengam Combined Cycle Power Plant







## Power Plant Projects

### **Dalahoo Combined Cycle Power Plant Electrical BOP**

**Owner:** Farab

**Main Client:** Farab

**Client:** Farab-Construction (Notash)

#### **Scope of Work:**

Installation and Commissioning of **Electrical BOP**, including:

- MV&LV Switchgears, AC/DC, UPS, Charger and Control panels (160 Cells)
- Cable Pulling (160 KM)
- Cable Ladder & Tray
- Field Instruments & Hook-up material
- Cathodic Protection
- Transformers and Diesel Generators
- Fire Alarm system
- Paging, Intercom, Telephone System
- Heat Tracing System







## Power Plant Projects

### Chadormalu Combined Cycle Power Plant Electrical BOP

**Owner:** Chadormalu Mining & Industrial Co

**Main Client:** Mapna

**Client:** Mapna MD1

#### **Scope of Work:**

Installation and Commissioning of **Electrical BOP**, including:

- MV&LV Switchgears, AC/DC, UPS, Charger and Control panels
- Cable Pulling
- Cable Ladder & Tray
- Transformers and Diesel Generators
- Fire Alarm system
- Heat Tracing System
- Earthing System
- CO2 System





## HV Substations Projects

# HV Substations Projects







## HV Substations Projects

### **Assaluyeh Combined Cycle Power Plant 400KV Substation & Electrical BOP**

**Owner:** Mapna

**Client:** Mapna MD1

#### **Scope of Work in HV Substation**

Procurement, Installation and Commissioning of 400KV Substation, including:

- Installation of High Voltage Equipment
- Supply and Installation of Stranded Conductors and Shield Wire
- Supply and Installation of Tube Conductors
- Supply and Installation of Clamp & Fitting
- Installation of LV, Control and Protection Panels
- Installation of Cable Ladder & Tray
- Cable Pulling
- Installation of Auxiliary Transformers
- Procurement and installation of Earthing system
- Procurement and installation of Lighting system



#### **Scope of Work in Electrical BOP**

Installation and Precommissioning of **Electrical systems**, including:

- LV Switchgears, AC/DC, UPS and Charger panels
- Installation of Diesel Generators
- Installation of Cable Ladder & Tray
- Cable Pulling
- Earthing system





## HV Substations Projects

**Assaluyeh Combined Cycle Power Plant  
400KV Substation & Electrical BOP**





## HV Substations Projects

### **KhorramAbad Combined Cycle Power Plant 230KV Substation**

**Owner:** KhorramAbad Power Generation Co.

**Client:** Mapna MD2

#### **Scope of Work:**

Procurement, Installation and Commissioning of **230KV Substation**, including:

- Installation of High Voltage Equipment
- Supply and Installation of Stranded Conductors and Shield Wire
- Supply and Installation of Tube Conductors
- Supply and Installation of Clamp & Fitting
- Installation of LV, Control and Protection Panels
- Installation of Cable Ladder & Tray
- Cable Pulling
- Installation of Auxiliary Transformers
- Procurement and installation of Earthing system
- Procurement and installation of Lighting system
- Fire Stop







## HV Substations Projects

### Chabahar Combined Cycle Power Plant 230KV Substation-Extension

**Owner:** Saba Power and Energy Group

**Client:** Mapna MD2

#### Scope of Work:

Procurement, Installation and Commissioning of a new Bay in **230KV Substation**, including:

- Disassembling of CTs in the existing GIS SS
- Installation of High Voltage Equipment
- Supply and Installation of Buswork
- Installation and commissioning of MV, LV, Control and Protection Panels
- Installation of 20KV Reactors
- Cable pulling
- Procurement and installation of Earthing system
- Procurement and installation of Lighting system





## Mineral Industries Projects

# Mineral Industries Projects







## Mineral Industries Projects



### Water Transmission from Persian Gulf

**Owner:** WASCO

**Main client:** Shakhes Consortium

**Client:** Fakoor Sanat

#### Scope of Work:

Installation, commissioning and operation of Electrical and Instrumentation of 7 Pump stations, including:

- MV & LV Switchgears
- Control System (DCS, ESD, Fire Alarm) Panels
- VSD Panels
- Transformers
- Cable Pulling (400 Km)
- Field Instruments
- Cable Ladder and Trays
- Lighting system



## Water Industries Projects

### Water Transmission from Persian Gulf







## Water Industries Projects

### Water Transmission from Persian Gulf





## Mining Industries Projects

### Sechahoon Pelletizing Plant

**Main Client:** Iran Central Iron Ore Company (ICIOC)

**Client:** Fakoor Sanat

**Scope of Work:**

Installation and commissioning of Electrical and Instrumentation, including:

- 450 KM Cable pulling and connection
- Cable tray/ladder
- MV&LV Switchgears
- Transformers
- Lighting system
- Field Instruments
- Fire Alarm and Fire fighting systems
- CCTV and Paging
- Heat Tracing







## Mining Industries Projects

### Sechahoon Pelletizing Plant





## Mining Industries Projects

### JahanAra Steel Making Plant

**Owner and Client:** Jahan Ara Arvand Steel Factory

**Scope of Work:**

Installation and commissioning of **Power Distribution**, including:

- Installation of Cable tray/ladder
- Cable pulling and connection
- Installation of MV&LV Switchgears
- Installation of Transformers
- Installation of Lighting system
- Installation of Earthing System







## Mining Industries Projects

### Paya Foulad Concentration and Crushing Plant

**Owner and Client:** Fakoor Sanat (Paya Foulad)

**Scope of Work:**

Installation, commissioning and operation of **Electrical and Instrumentation**, including:

- 350 KM Cable pulling
- Installation of Cable tray/ladder
- Installation and Precommissioning of MV&LV Switchgears
- Installation of Transformers
- Installation of Lighting system
- Installation of Field Instruments
- Installation of Earthing System





## Mineral Industries

### Hormozgan Steel Complex

**Client:** IMIDRO

**General Contractor:** IRITEC

**Services:**

Engineering services and technical consulting for the Office of Electrical and Instrumentation in Hormozgan steel making plant in different areas including the melting area, Casting unite, Oxygen unite, Lime unite...



### DCS System for Natanz Steel Complex

**Client:** NATANZ Steel Co.

**Services:**

Engineering, Procurement, Construction, Programming and Commissioning of DCS





## Engineering Projects

### Detail Design Engineering Projects:

More than **2000** sheets of Technical Documents

Project Name	Client	Main Client
Chabahar Gas Power Plant	Mapna	IPDC
Ardebil Gas Power Plant	Mapna	IPDC
Tous Gas Power Plant	Neda Industrial Co.	Mapna
Abadan PVC Plant	Petrosina	Abadan Petrochemical Plant
Power Plants (7 contracts)	Monenco	Mapna
Mobin Power Plant – Utility	Mapna MD3	Mobin Petrochemical Plant
Orumieh Gas Power Plant Utility	NeyrPerse	IPDC
Damavand Power Plant	Mapna MD3	Damavand Petrochemical Plant
Jahrom Power Plant - WTP	AronAb	Mapna MD2



## Rastak Group some clients







## Certificates & License

- Member of APEC (Association of Petroleum Industry, Engineering & construction Companies)
- Member of “Iranian Society of Instrumentation and control Engineers”
- Permission from Ministry of Industry
- Permission from Ministry of Interior
- All Members of board are PMP Certified





## Testimonials







## Subsidiary Companies



شرکت مهندسی شاهین انرژی  
Shahin Energy Engineering Co.



راهبران سیستم رستاک  
Rahbaran System Rastak



## Shahin Energy Co.



شرکت مهندسی شاهین انرژی  
Shahin Energy Engineering Co.



Shahin Energy Co. was founded in 2007 with the aim of supplying **field of instruments and control system equipment:**

- Pressure Measurement
- Temperature Measurement
- Level Measurement
- Flow Measurement
- Tank Gauging System
- Safety Valves and on/off valves
- Corrosion Monitoring
- PLC and Barriers
- Industrial Analyzers
- Partial Discharge Measurement Instruments
- Hook-up Material





## Shahin Energy Co.





## Certificates & License

- Member of "Iranian Society of Instrumentation and Control Engineers"
- Permission from Ministry of Industry, Mine and Trade
- Three Offices in Germany, Malaysia and China for commercial affairs







Supply from more than 20 different well-known brands





## Rahbaran System Rastak Co.



- Training and Consulting Services in **Project Management** based on international standards such as Portfolio Management, Program Management, PMBOK, ICB, OPM3, EVMS...
- Training and Consulting Services in **Strategic Management** based on Balanced Scorecard (BSC)
- Innovative and practical Workshops in project management (PMIgloo), and portfolio management (realPOM)
- Whole package of services to get professional international certificates such as : **PfMP, PgMP, PMP, RMP, SP, IPMA**, etc.





**Rastak Pouya Engineering Co.**



General Catalogue

**Engineering Procurement Construction**

[www.rastakco.com](http://www.rastakco.com)