Introduction:

Absun Palayesh Co. as one of the leading water and waste water treatment EPC companies in Iran has got valuable records in a variety of treatment methods for water treatment in municipal, industrial, petrochemical, steel, mining and power plants in Iran and MENA Region.

Absun Palayesh Co. is capable of accomplishing EPCF, BOO and BOT projects as well. By benefiting from global partners and the domestic specialized engineers, Absun Palayesh has been capable of running project in other fields like hydraulic structures, pipelines, pump stations and construction. Laboratory services, procurement and maintenance are among the other capabilities of the company.

Certification and Membership

<table>
<thead>
<tr>
<th>Certificate and Membership</th>
<th>Reference</th>
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APEC Certificate of Membership

ISO 14001-2004 Certificate

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Certificate of Safety Accreditation

Degree of European Competent Management from Euro Cent Business Administration

Contractor Qualification Certificate from National Iranian Gas Company

Certificate of Membership in Iranian Experts Group

BS-OHSAS 18000-2007 Certificate

Certificate of Membership from Iranian Concrete Institute (ICI)

Contractor Qualification Certificate from Ministry of Interior

Profile

Some of our Clients

Chadormalu Mining & Industrial Co.
IOOC
Iranian Offshore Oil Company
SISCo
Sirjan Iranian Steel Company
KAYSON INC.

National Iranian Copper Industries Company

PGSOC
Persian Gulf Star Oil Company

Golghar Mining & Industrial Co.

SPGC
South Pars Gas Company 5th Gas Refinery

SJSCO
Sirjan Jahan Steel Complex

MEMSECO
Meyar Sanat Khavarmiane Co

PPL
Petropars Ltd.

Shadegan
Steel Industry Co.

yazd
Water and Wastewater Company

IRISL
Islamic Republic of Iran Shipping Lines

CMIC
Ardakan Direct Reduction Plant

IRAN ALLOY
Steel Co.

TASDID
Tasdid Offshore Development Co.

MAPNA Group

AKPC
Amir Kabir Petrochemical Company

BARSOO
Engineering Co.

FTSCO
Fakoor Sanat Tehran

IOOC
Iranian Offshore Oil Company

SPGC
South Pars Gas Company 5th Gas Refinery

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FTSCO
Fakoor Sanat Tehran
Main Area of Activity:
- Water Treatment
- Desalination
- Municipal Wastewater Treatment
- Industrial Wastewater Treatment
- Sanitary Wastewater Reuse
- Industrial Wastewater Reuse

Supplementary sub-Activity:
- Building and Infrastructure
- Hydraulic Structure
- Pipe Line
- Pump Station
- Electrical & Instruments
- Cooling Tower

Complementary Services:
- Consultancy Services
- Operation and Maintenance
- Laboratory Services
- Procurement Services
Structure of Company:

Board of Directors

CEO

Management Office

Consultants

Deputy Managing Director

Technology and Strategy Manager

Financial Department

Technical and executive management

Bid and sales development management

Human Resource Department

Commerical Manager

After Sales Services

Procurement Department

Sales Department

Contracts Department

Projects

Technical and executive committee

Office manager

Projects Managers

Central Workshop and Warehouse Manager

Site Managers

Planning and Time Controlling Unit

Cost Control

Quality Control Department

Head of Engineering Department

DCC

Electricity and Instrumentation Department

Mechanical and Piping Department

Processing Department

Laboratory

Civil and Structural Department

Subsideries:

ABSUN PALAYESH Co.

Absun Madar Co.

Kamyar Tajhiz pooya Co.

WATER SUN SH.

Power, electric and instrumentation, automation

Local procurement services, consumer chemical and goods, packages and equipments

Global representatives, handle overseas projects, deals, and procurement
ABSUN PALAYESH

Profile

Structure

Business Structure:

- Project
  - EPC (Engineering, Procurement, Construction)
  - EPCF (EPC + Finance)
  - BOO (Build, Own, Operate)
  - BOT (BOO + Transfer)
- Production
  - Equipment Manufacturing
  - Chemical Production
- Procurement
  - Packages and Equipments
  - Consumer chemicals and goods
  - Spare Part
- Services
  - O&M (Operation and Maintenance)
  - Consultancy (Engineering & Reengineering)
  - Procurement Services
  - Finance
  - Engineering Services (Q&C, HSE, R&D, Training)
  - Laboratory Service (Autopsy Membrane, Water & Wastewater)

Main Activity:

- Water Treatment
  - Municipal water purification
  - Power generation process water
  - Petrochemical and refining process water
  - Industrial and mining water
  - Agricultural water solution
  - Livestock water recycling
  - Food, beverage & pharmaceutical water

- Desalination
  - Sustainable desalination plant
  - Thermal desalination
  - Hyper saline water desalination
  - Economical desalination for agriculture
  - Hybrid thermal-membrane desalination
  - Electro membrane desalination
  - Zero Liquid Discharge (ZLD)
Main Activity:

Municipal Wastewater Treatment

- Our rivers, lakes and vital drinking water resources are increasingly at risk due to environmental factors. Sufficient protection can only be guaranteed if the wastewater is largely treated. In this regard, we offer the following solutions:
  - Municipal Wastewater Treatment
  - Marine outfall treatment
  - River outfall treatment
  - Sludge management & Energy generation
  - Decentralized Wastewater Treatment
  - Waste treatment for agricultural usage
  - Municipal Storm water treatment

Industrial Wastewater Treatment

- ABSUN PALAYESH Eng. provides a complete range of solutions and services for treating industrial wastewater to meet process needs as well as environmental regulations. Our solution covers almost all industries in order to meet a great area of the local and international standards:
  - Petrochemicals and refineries
  - Textiles and leather
  - Iron and steel
  - Non-ferrous metals
  - Microelectronics
  - Mining
  - Pulp and paper

Sanitary Wastewater Reuse

- Huge amount of daily produced wastewater is an environmental threat, while water is the only limiting factor for our global growth. Our Sanitary Wastewater Reuse solutions support the following application but not limited to them:
  - Industrial process water
  - Agricultural and green space
  - Power plant ultra-pure water (DM)
  - Circulating and cooling water
  - Firefighting & municipal service water
  - Decentralize & small communities
  - Organic material recovery

Industrial Wastewater Reuse

- Industrial wastewater is an economical opportunity with ABSUN PALAYESH’s Solutions. Covering a vast variety of industrial water demand by producing following type of water with just hazardous industrial wastewater:
  - Circulating water
  - De mine water (DM)
  - Cooling water
  - Potable water
  - Firefighting water
  - Drinking water
  - Green space water
Supplementary Activities:

Building and Infrastructures

Building and infrastructure is the most important part of our supplementary activities, relying on our powerful civil engineers and modern construction machines we are able to represent a complete package of solution and services as follows:

- Official and operational building
- Industrial building
- Utility and process structure
- Complete civil work
- Power and water infrastructure
- Road and verity of transfer line
- Bridge and water transfer tunnel

Delivering professional water solution including Hydraulic Structure is the most important priority of Absun Palayesh, relying on our successfully accomplished references and the art of technology we represent following solution in this regard:

- Sea water intake
- Concrete water storage tank
- Medium size dam
- Water transfer tunnel
- Water transfer canal
- River water intake
- Process reservoir, tank and basins

Pipe Line

Tuning life on and giving many business options to growth by, transferring water from where water is needed, is our commitment, taking advantage of new technology and powerful machinery enabled us to deliver following solution in this field:

- Drinking water pipe line
- Reengineering existing pipe line
- Utility Transfer Line
- SCADA design and installation
- Municipal and industrial SW collection
- Municipal distribution system
- Urban Drainage

Pump Station

Pump station is the biggest energy consumer in a water infrastructure; in order to move through global sustainability, Absun Palayesh has developed the knowledge of pump station to achieve the most efficient ways as well as following solutions:

- Pump stations
- Reengineering of existing pump station
- Procurement of special spare parts
- Increasing capacity of existing plant
- Pump station operation
- Maintenance
- SCADA installation
Supplementary Activities:

Electrical & Instruments

Established in 2009 Absun Madar Co. is the most important subsidiaries’ of Absun Palayesh Eng. Delivering professional solutions in the field of Electrical, control and instrumentation. In addition to many professional services Absun Madar represent the following solutions:

- Medium voltage (MV) switch gear
- Substation (Range up to 133KV)
- Electricity transmission line (HV&MV)
- Low voltage (LV) panel
- Piano, Fix, Withdrawable panel
- Control and Monitoring (SCADA)
- Radio Remote-Control and Telemetry

Cooling tower and water circulating

Cooling water circuit is the most critical part in huge industries Petrochemical, refineries and power plants, in this regards Absun Palayesh has developed state of the art solutions in order to meet its numerous clients requirements, following item is a short review of them:

- Water circulating plant
- Concrete Cooling tower
- Hybrid WTP+WCP Reuse Plant
- GRP Cooling tower
- Direct cooling tower (open circuit)
- Indirect cooling tower (close circuit)
- Operation and Maintenance (O&M)

Complementary Services:

Consultancy Services

Relying on our highly professional experts, engineers, scientists and consultants in a disciplined wise engineering system Absun Palayesh Co. is able to deliver the following special engineering services:

- Full engineering design of utilities
- BOO ant BOT Financial plan
- Consultancy of water infrastructure
- Feasibility study of projects
- Environmental impact assessment
- Water management plan
- Water infrastructure investigation

Laboratory Services

Developing a well-equipped laboratory as well as knowledge of membrane autopsy, Absun Palayesh Co. delivers the most complete and professional package of laboratory services in water industry. Some of services are:

- Physicochemical tests
- Membrane autopsy
- Scaling Analysis of Membrane
- Water and waste water analysis
- Maintaining optimum chemical dosing
- Chemical consumption assessment
- Huge plant chemicals consultancy
Complementary Services:

Kamiar Tajhiz Poya Trading Co. (KTP) is a sister company of Absun Palayesh, delivering professional procurement services. Having a chain of agreements with global manufactures and suppliers as well as being in a variety, approved MVL, enabled us to represent following services:

- Procurement of high tech equipment
- Procurement of spare parts
- Providing consumable goods
- Procurement costume-made equipment
- Procurement of formulated chemical
- Exclusive representative of global brands
- Delivering after sales services

Relying on years of delivering successfully O&M services to a diversity of water infrastructure and critical plants, today Absun Palayesh Co. is the most reliable company from the view of governments and huge industries in this field. Following are some of our services in this regard:

- Fully operation of desalination plants
- Schedulized maintenance services
- O&M of water infrastructures
- WWTP operation
- Schedulized after sales services
- O&M Training services

Research and Development:

Research and Development:

R&D Services
- Pilot Construction
- High-tech Equip. Investigation
- Custom Made Equipment
- Laboratory Testing
- Industry Consulting
- Thesis Consulting
- Plant Optimization

Completed Projects
- EDI - High Flow
- ED - High Flow
- CED – Low Voltage
- RED – Power Generator
- SSMXR – Super Mix -AOP
- Nano – Ultra Trace Analyzer
- TKF – Low Load
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