



ZISTAB PAJOOHESH

ENGINEERING COMPANY (ZAPCO)

COMPANY PROFILE & CAPABILITY STATEMENT

Engineering | Procurement | Construction | Commissioning

Integrated solutions for water and wastewater treatment plants, membrane systems, aeration technologies and specialized treatment equipment.

Aluminum Almahdi WWTP



Zanjan University WWTP



Saman Daroo WTP



Maragheh WTP



Sanandaj WTP



2500m3 Sepehr Tank



BEN WWTP



CORE CAPABILITY	TECHNOLOGY	EXECUTION
Multidisciplinary engineering	WTP / WWTP / RO / UF / Aeration	EPC or individual packages

Address: Unit 15, No.23, Kayhan St, Kashani Blv, Tehran-Iran

Tel: +982144179455, +982144179604

Social Media: +989022234343

Website: www.zistab.ir, www.raymongroup.ir

email: zistab@gmail.com

2026

1. Company Overview

Zistab Pajooohesh Engineering Company (ZAPCO) is an engineering and technology company specializing in the design, engineering, procurement, construction, commissioning and operation support of water and wastewater treatment systems and equipment. The company combines multidisciplinary engineering capability with specialized equipment development and supply, providing integrated solutions tailored to project technical, environmental and operational requirements.

ZAPCO's project approach extends from conceptual and process design through detailed engineering, procurement, manufacturing/supply, construction, installation, commissioning and performance testing. The company can undertake complete EPC projects or provide individual engineering, procurement, construction or commissioning packages according to client requirements.

2. Core Services

Engineering & Design

Process and hydraulic design, PFDs, P&IDs, equipment sizing, civil/structural, mechanical, piping, electrical, instrumentation and control, PLC/SCADA, specifications, BOQ/MTO and IFC drawings.

Procurement

Technical specifications, RFQs, vendor qualification, technical bid evaluation, vendor document review, inspection, FAT, expediting, logistics and spare-parts support.

Construction & Installation

Civil works, tanks and foundations, mechanical installation, process piping, valves, electrical and instrumentation installation, control systems and site integration.

Commissioning & Start-Up

Mechanical completion, flushing, hydrotesting, calibration, loop checks, equipment testing, process commissioning, performance testing, reliability testing, training and handover.

3. Treatment Technologies

Conventional Water Treatment: intake and screening, coagulation/flocculation, clarification, DAF, multimedia filtration, chemical dosing, disinfection, storage, pumping and distribution.

Membrane Technologies: ultrafiltration (UF), reverse osmosis (RO), SWRO/BWRO, cartridge filtration, CIP systems and energy-recovery systems.

Wastewater Treatment: preliminary treatment, equalization, biological treatment, MBBR, MBR, activated sludge, clarification, tertiary treatment, filtration, disinfection and sludge treatment.

4. Aeration & Fine-Bubble Diffuser Technology

One of ZAPCO's specialized areas is the development and manufacture of fine-bubble aeration diffusers for municipal and industrial wastewater-treatment applications. Under the Zistab Aero product line, the company develops diffuser configurations for efficient oxygen transfer, uniform air distribution and reliable long-term operation.

Product development includes membrane material selection, perforation/slit geometry, air distribution, pressure-drop evaluation, oxygen-transfer considerations, mechanical assembly and manufacturing engineering. Product models include the ZFD-270 and ZFD-350 fine-bubble disc diffuser families.

5. Integrated RO & Membrane Systems

ZAPCO provides engineering and supply of membrane-based water-treatment systems and complete RO packages, including pretreatment, cartridge filtration, high-pressure pumping, membrane trains, energy recovery, chemical conditioning, permeate treatment, storage and associated control systems.

Typical integrated process: Raw Water → Pretreatment → UF → Cartridge Filtration → RO → Energy Recovery → Permeate Conditioning → Disinfection → Product Storage → Distribution.

6. Selected Project References



Wastewater Treatment Plant, Ben City-Charmahal Province



Water Treatment Plant, Sarajooy-Maraqeh



Wastewater Treatment Plant, Zanzan University Main campus



Water Treatment Plant, Qolyan-Sanandaj



Wastewater Treatment Plant, Broujen



Wastewater Treatment Plant, Mashad



2500m3 water storage Tank, Sepehr Industrial Park-Karaj

Wastewater Treatment Plant, Almahti Aluminum Complex-Bandarabas

7. Selected Project Experience — Company Resume

The following project references are drawn from the project-experience tables in the submitted company resume. They are presented here as a consolidated English project list.

No.	Project	Client / Employer	Status
1	Wastewater Treatment Plant - Borujan	Chaharmahal & Bakhtiari Water & Wastewater Company	Ongoing
2	Wastewater Treatment Plant – Rey Power Plant	Rey Power Generation Management Company	Ongoing
3	Construction, Supply and Conversion of 6,000 Aeration Diffusers – West Tehran WWTP	Tehran Wastewater Company	Ongoing
4	Water Treatment Plant – Qolyan, Sanandaj	Kurdistan Water & Wastewater Company	Completed
5	Water Treatment Plant – Sarajooi-Maraqeh	East Azerbaijan Water & Wastewater Company	Completed
6	Wastewater Treatment Plant – 10,000 m3/day Capacity	Iran Road & Urban Development company	Completed
7	Equipment for Hegelan Wastewater Treatment Plant	Kurdistan Water & Wastewater Company	Completed
8	Wastewater Treatment Plant – Ben-Shahrekord	Chaharmahal & Bakhtiari Water & Wastewater Company	Completed
9	Water Transfer & Distribution Project – Oraman, Kurdistan	Kurdistan Water & Wastewater Company	Completed
10	Wastewater Treatment Plant – Jajrood and Qarchak	East Tehran Water & Wastewater Company	Completed
11	Collection Network, Transfer Line & Wastewater Treatment Plants for Gas Transfer Stations	National Iranian Gas Transmission Company	Completed
12	Central Wastewater Treatment Plant – Zanjan University Campus	University of Zanjan	Completed
13	Wastewater Treatment Plant	National Oil Products Distribution / Industrial client	Completed
14	Wastewater Treatment Plant	National Oil Products Distribution	Completed
15	Water Treatment System – Saman Daroo Company	Saman Daroo	Completed
16	Wastewater Treatment Plant for Parks & Green Spaces – Tehran District 10	Tehran Municipality	

7. Selected Project Experience — Continued

No.	Project	Client / Employer	Status
17	Surface Water Treatment System – Sarabi Dam,	Arman Tadbir Company	Completed
18	Wastewater Treatment Plant for Parks & Green Spaces	Tehran Municipality	Completed
19	Wastewater Treatment Plant – Simin Dasht Industrial Park	Golestan Province Industrial Parks Company	Completed
20	Wastewater Treatment Plant – Zanjan University Dormitories	Zanjan University	Completed
21	Structural Strengthening of Equipment/Rack Bases – Bandar Abbas Refinery Water, Power & Steam Unit	Bandar Abbas Refinery Company	Completed
22	Chemical Operations for New Oil Storage Tank Piping – Bandar Abbas Refinery	Bandar Abbas Refinery Company	Completed
23	Wastewater Treatment Plant – Pars MCS Company	Pars MCS Company	Completed
24	Wastewater Treatment Plant – Aluminum almahdi	Aluminum almahdi Company	Completed
25	Water Treatment Plants – Shirvan and Faruj, North Khorasan	Arman Tadbir Company	Completed
26	Wastewater Treatment Plant – Korosh Hospital, Zanjan	Korosh Hospital	Completed
26	Wastewater Treatment Plant – Shirno/Asalouye	Pars oil and gas ccompany	Completed
28	Water Purification System – Pars Saye Company	Arman Tadbir Company	Completed
29	Collection Network, Transfer Line & Wastewater Treatment Plant – Biston Petrochemical Complex	Biston Petrochemical Company	Completed
30	Wastewater Treatment Plant – Compost leachate	Sanandaj Municipality	Completed
31	Wastewater Treatment System –Pars MCS Factory	Pars MCS Company	Completed
32	Wastewater Treatment Plant – Shahid Beheshti Hospital / Rabat Karim	Public-sector client	Completed
33	Wastewater Treatment Plant – Azad University Najafabad	Najafabad Azad University	Completed
34	Wastewater Treatment Plant – Azad University Islamshahr	Islamshahr Azad University	Completed
35	Wastewater Treatment Plant	Saqquez Social Security Hospital	Completed
36	Wastewater Treatment Plant – Azad University Damavand	Damavand Azad University	Completed
37	Engineering Services – Wastewater Treatment Plant, Alteymour, Mashhad	Pars Consult-Kayson Company	Completed
38	Engineering Services – Wastewater Treatment Plant, Karaj	Parsab Tadbir Company	Completed
39	Engineering Services – Wastewater Treatment Plant, Tehran	Parsab Tadbir Company	Completed
40	First-Stage Studies – Wastewater Treatment Plant, Imam Khomeini Airport	Farazab Company	Completed
43	Wastewater Treatment Plant – National Iranian Gas Transmission Company	National Gas Company	Completed
44	Wastewater Treatment Plant – Sarab Ghamish, Sanandaj	Kurdistan Water & Wastewater Company	Completed
45	2,500 m3 Reinforced-Concrete Water Storage Tank – Sepehr Industrial City	Sepehr Industrial Park Company	Completed
46	Water Treatment Plant – Electroden Company	Electroden Company	Completed
47	Water Treatment Plant – Shirin Asal Company	Shirin Asal Company	Completed
48	Engineering services of Water and wastewater Project – Sepehr Industrial Park	Sepehr Industrial Park Company	Completed

8. Project Execution Capability

Contract / Package	Typical Scope
Full EPC	Engineering → Procurement → Construction → Commissioning → Handover
Engineering Package	Conceptual design → FEED → Detailed Engineering → IFC Drawings
Procurement Package	Technical specifications → Vendor selection → Procurement → Inspection → Delivery
Construction Package	Civil → Mechanical → Piping → Electrical → Instrumentation → Testing
Equipment Supply	Design → Manufacturing/Supply → Factory Testing → Delivery → Installation Support

9. Engineering & Quality Philosophy

- Technical reliability and appropriate technology selection
- Optimization of CAPEX, OPEX and lifecycle cost
- Process redundancy, maintainability and safe operation
- Compliance with applicable project specifications and international standards •
- Constructability and coordinated multidisciplinary design
- Integration of mechanical, electrical, instrumentation and control systems
- Clear documentation from conceptual design through IFC, commissioning and handover

10. Our Value Proposition

ZAPCO provides a single engineering partner for the complete water and wastewater treatment project lifecycle. Our combination of engineering expertise, specialized equipment development, procurement capability and EPC execution enables practical and cost-effective solutions with close coordination between design, equipment selection, construction and commissioning.

ZISTAB PAJOOHESH ENGINEERING COMPANY (ZAPCO)
Water & Wastewater Treatment Technologies

Contact
Tehran, Iran
www.zistab.ir
www.raymongroup.ir
zistab@gmail.com
WhatsApp: +989126963380
Social Media: +989022234343
Tel: +982144179455, +982144179604