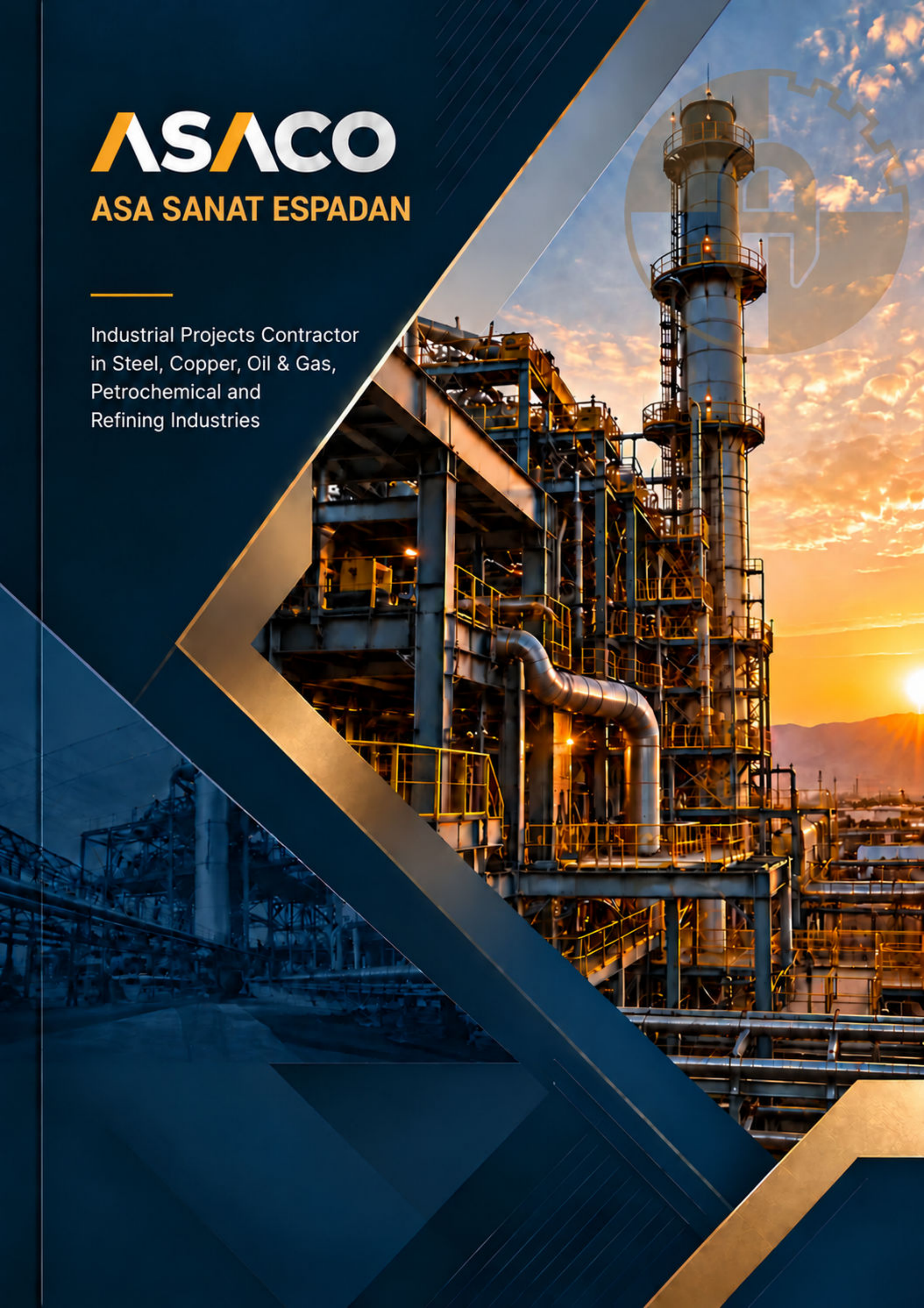
ASACO

ASA SANAT ESPADAN

Industrial Projects Contractor
in Steel, Copper, Oil & Gas,
Petrochemical and
Refining Industries



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MANAGEMENT MESSAGE

At Asa Sanat Espadan, we believe that the development of our country's industry depends on delivering high-quality, safe industrial projects grounded in technical knowledge and practical experience.

Since commencing operations in 2001 (1380 SH), we have consistently sought to play an effective role in the steel, copper, oil and gas, petrochemical and refining industries through technical expertise, practical experience, skilled professionals and a responsible approach.

Our successful track record across diverse projects, including large and critical assignments in refractory works, equipment installation, piping, civil works, electrical and instrumentation, and materials supply, reflects our clients' trust, effective cooperation with business partners and the sustained efforts of our entire team over the years.

At ASACO, we are committed to delivering projects, creating lasting value for our clients, developing domestic capabilities and advancing knowledge and experience within the country's industry. Compliance with international standards, attention to safety and the environment, and adherence to professional ethics are fundamental principles of our work.

Looking ahead, we are determined to build on our experience, expand our services and international cooperation, and invest in people and modern technologies to contribute more effectively to industrial growth and progress in our country.

We sincerely thank all our clients, partners and valued colleagues for their trust and support throughout this journey. We look forward to continuing these valuable partnerships and achieving even greater success together.

Company Management
Asa Sanat Espadan (ASACO)



Our clients' trust is a contractor's most valuable asset.

COMPANY OVERVIEW

Asa Sanat Espadan (ASACO) is a private joint stock company established in 2001 (1380 SH), with its headquarters in Isfahan. Supported by an experienced and skilled team, the company began providing industrial project services to the steel, petrochemical and refining industries.

Since its establishment, the successful delivery of diverse projects has positioned ASACO as one of the prominent and trusted contractors serving the steel, copper, oil and gas industries. Its expertise includes civil works, steel structure erection, mechanical equipment installation, piping, electrical and instrumentation, and refractory works.

In recent years, alongside the execution of industrial projects, the company has expanded into the supply of materials from domestic and international sources. Drawing on technical knowledge, practical experience and a commitment to quality, ASACO works to create lasting value for its clients and contribute to the development of the country's industry.



ESTABLISHED	HEADQUARTERS	COMPANY TYPE	BUSINESS FIELDS
2001	ISFAHAN	PRIVATE JOINT STOCK	INDUSTRIAL PROJECTS



OUR VISION

To become one of the leading and trusted companies in the industrial projects sector in Iran and the region, drawing on technical knowledge, practical experience, skilled people and a commitment to quality, safety and sustainability; and to be recognized as a reliable partner by clients delivering large and specialized projects in the steel, copper, oil and gas, petrochemical and refining industries.

OUR MISSION

To provide comprehensive, professional services for industrial project execution, including civil works, mechanical equipment installation, piping, electrical and instrumentation, refractory works and materials supply, with a focus on creating lasting value for clients, developing domestic capabilities, complying with international standards, improving safety and protecting the environment.

SUSTAINABLE GROWTH

CLIENT TRUST

REGIONAL & INTERNATIONAL PRESENCE

CREATING SUSTAINABLE VALUE FOR STAKEHOLDERS



BUSINESS AREAS

Drawing on its experience, technical knowledge and execution capabilities, Asa Sanat Espadan provides a wide range of industrial project services in the following areas.



CIVIL & STRUCTURAL

Construction and completion of concrete and steel structures, foundations, industrial buildings and project infrastructure.



PIPING

Design, supply, fabrication and installation of piping systems for process lines, utilities and auxiliary services across various industries.



MECHANICAL INSTALLATION

Installation of static and rotating equipment, including tanks, heat exchangers, furnaces, boilers, fans, pumps and process equipment.



ELECTRICAL & INSTRUMENTATION

Design, supply and installation of electrical, instrumentation and industrial automation systems and control networks in accordance with current standards.



REFRACTORY

Execution of refractory works in furnaces, reactors, process lines and industrial units using quality materials and experienced teams.



PROCUREMENT

Supply of materials, equipment and goods from domestic and international sources for industrial projects, alongside project execution.

OUR CAPABILITIES

Drawing on experience, technical knowledge and skilled professionals, Asa Sanat Espadan delivers diverse industrial projects through engineering, procurement, construction and installation (EPC) services in the following areas.





CIVIL & STRUCTURAL

- Construction and completion of concrete structures
- Fabrication and erection of steel structures
- Earthworks, foundations and substructures
- Construction of industrial sheds and buildings
- Site mobilization and project infrastructure

PIPING

- Design and installation of piping systems
- Fabrication and installation of process lines
- Installation of steam, air and industrial fluid lines
- Hydrostatic and pneumatic testing
- Pipeline insulation



ELECTRICAL & INSTRUMENTATION

- Design and installation of industrial electrical systems
- Switchboard installation, cabling and lighting
- Instrument installation and calibration
- Control system integration and commissioning
- Testing, commissioning and final handover



REFRACTORY

- Design and installation of refractory linings
- Refractory works for furnaces, reactors and heat exchangers
- Repair and rehabilitation of refractory linings
- Advice on refractory material selection
- Refractory works during shutdowns and overhauls

International standards, high quality, and compliance with safety and environmental requirements are fundamental to ASACO's capabilities.



ORGANIZATIONAL STRUCTURE

With a cohesive organizational structure, specialized professionals and integrated management systems, Asa Sanat Espadan enables effective planning, execution and control of industrial projects across various disciplines.

BOARD OF DIRECTORS

ADVISORS

MANAGING DIRECTOR

SPECIALIZED COMMITTEES

BUSINESS SUPPORT & DEVELOPMENT

- Market Development & Marketing
- Goods & Equipment Procurement
- Contracts & Commercial Affairs
- Information Technology & Systems

FINANCE & ADMINISTRATION

- Finance & Accounting
- Administration & Human Resources
- Legal Affairs
- General Services & Support

ENGINEERING & PLANNING

- Basic & Detailed Engineering
- Project Planning & Control (PMO)
- Document & Technical Records Control
- Research & Development and Process Improvement

PROJECT EXECUTION

- Project Management
- Construction & Installation
- Site Management
- Quality Control (QC)
- Health, Safety & Environment (HSE)

TECHNICAL & OPERATIONS

- Civil & Building Works
- Steel Structures
- Piping
- Electrical & Instrumentation
- Refractory Works
- Mechanical Equipment Installation
- Commissioning & Testing



HSE & CERTIFICATIONS

At Asa Sanat Espadan, safety, employee health, environmental protection and quality are fundamental to all our activities. We are committed to delivering projects to the highest international standards.



ENVIRONMENT
Reducing environmental impacts and promoting sustainable development

HEALTH
Protecting the health of employees and local communities

SAFETY
Preventing accidents and creating a safe workplace

QUALITY
Commitment to quality and client satisfaction

HSE & QUALITY MANAGEMENT

Through integrated safety, health, environmental and quality management systems, ASACO prioritizes employee health and safety throughout every stage of project execution, from planning to final handover.

- Continuous employee training and promotion of a safety culture
- Risk identification, assessment and effective control
- Compliance with legal requirements and national and international standards

CERTIFICATIONS & QUALIFICATIONS

With recognized international certifications and official qualifications, Asa Sanat Espadan has demonstrated its ability to deliver quality industrial projects in compliance with legal requirements and global standards.



ISO 9001
Quality Management

ISO 14001
Environmental Management

ISO 45001
Occupational Health & Safety Management

HSE-MS
HSE Management System

Contractor Qualification Certificate
Plan and Budget Organization of Iran

ONGOING PROJECTS

Module E DRI Unit – Gallery and Trestle Steel Structure Installation
Mobarakeh Steel Complex



Client	Saman Energy Company
Location	Ironmaking Area, Mobarakeh Steel Complex
Project Start	Tir 1405 SH (June–July 2026)
Scope	Installation of 250 tonnes of steel structures
Project Type	Steel Structure Installation

SCOPE OF WORK

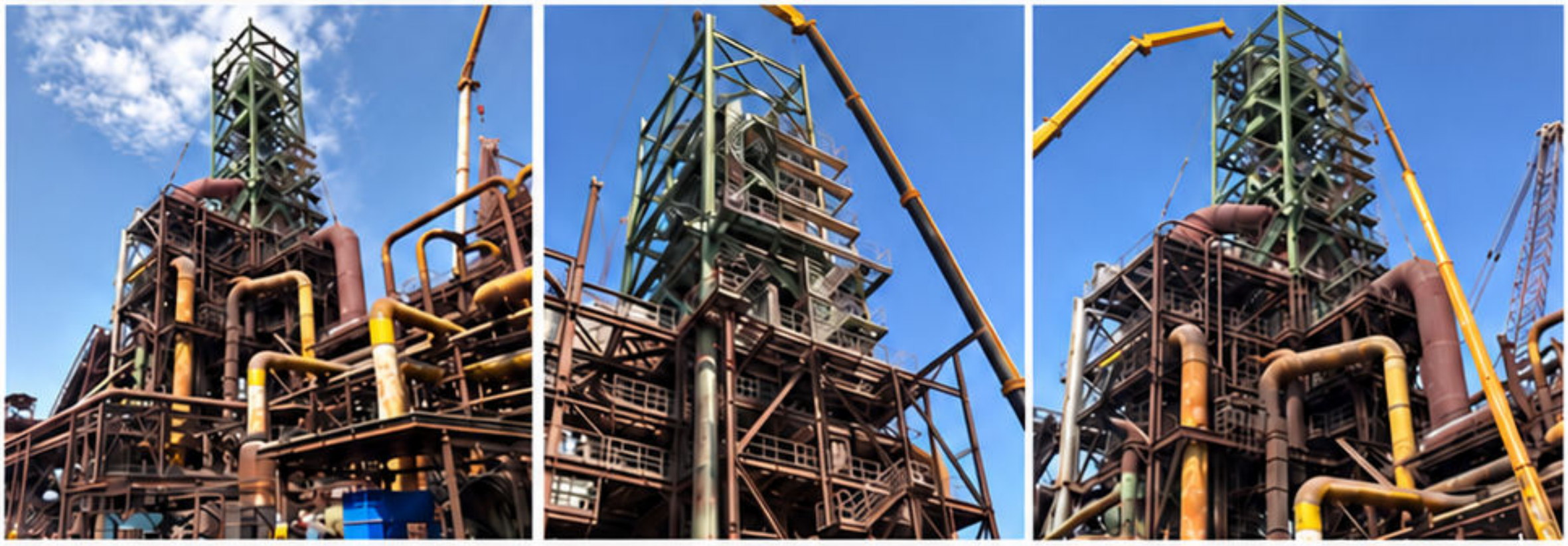
Installation of 250 tonnes of steel structures for the Module E direct reduction unit, including trusses of various configurations, beams and columns with reinforcing plates, bracing, stairways, ladders, handrails, guardrails and all gratings.

The project also includes strengthening and modification of structural members in the direct reduction unit, together with the necessary scaffolding and installation works.

KEY PROJECT ACTIVITIES

- Grating Installation
- Stairways, Ladders & Handrails
- Bracing Installation
- Beam & Column Installation
- Reinforcing Plate Installation
- Truss Installation
- Scaffolding & Installation

PROJECT PHOTOS



RH-TOP2 ELECTRICAL & INSTRUMENTATION PROJECT

MOBARAKEH STEEL COMPANY



CLIENT
Takam Novin Company

LOCATION
Steelmaking Area,
Mobarakeh Steel Complex

PROJECT START
Khordad 1404 SH
(May – June 2025)

PROJECT TYPE
Electrical & Instrumentation

SCOPE OF WORK

Installation, testing and commissioning of electrical, lighting and instrumentation systems, including cable routing, conduit installation, cabling, electrical panel installation and instrumentation equipment installation.

KEY PROJECT ACTIVITIES

- Testing & Commissioning
- Instrumentation Installation
- Electrical Panel Installation
- Cabling
- Conduit Installation
- Cable Routing

ISFAHAN WATER TREATMENT PLANT NO. 2

ELECTRICAL & INSTRUMENTATION PROJECT



CLIENT
Shimbar Company

LOCATION
Isfahan Water Treatment Plant No. 2,
Jaja Village, Tiran

PROJECT START
Azar 1401 SH
(November – December 2022)

PROJECT TYPE
Electrical & Instrumentation

SCOPE OF WORK

Installation, testing and commissioning of electrical, lighting and instrumentation systems, including 86 electrical panel cubicles, 860 m of cable trays, 550 m of cable ladders, and fabrication and installation of 3,000 kg of steel supports.

Cabling comprises 72,000 m of low-voltage cables and 15,000 m of lighting cables, including glands and connections. The scope also includes earthing, lightning protection and fire suppression systems; outdoor lighting with five 12 m lighting towers and 63 streetlights; installation of 9,400 m of galvanized conduit, 2,355 m of PVC conduit and 1,000 m of flexible conduit; 51 junction boxes; and installation, calibration and commissioning of 235 instruments.

KEY PROJECT QUANTITIES

86	860 m	550 m	3,000 kg	87,000 m	12,755 m	235
Electrical Panel Cubicles	Cable Trays	Cable Ladders	Steel Supports	LV & Lighting Cables	Galvanized, PVC & Flexible Conduit	Instruments

COMPLETED PROJECTS



Truck Tippler System – Steel Structure and Mechanical Equipment Installation

MOBARAKEH STEEL COMPANY

CLIENT
Saman Energy Company

LOCATION
Steelmaking Area,
Mobarakeh Steel Complex

PROJECT PERIOD
1401 – 1404 SH
(2022 – 2026)





SCOPE OF WORK

Installation of 335 tonnes of steel structures for the storage bin unit, including complete cladding.

Installation and full pre-commissioning of eight conveyor lines, comprising 450 tonnes of mechanical equipment: frames, idler supports, idlers, tensioning systems, drums, belts and rain covers; installation of motors and gearboxes, vibratory feeders, belt feeders, metal detectors, magnetic separators and the weighing system.

KEY PROJECT ACTIVITIES

- 335 tonnes Storage Bin Steel Structures
- 8 Conveyor Lines 450 tonnes
- Motor & Gearbox Installation
- Vibratory & Belt Feeders
- Metal Detectors & Magnetic Separators
- Weighing System

COMPLETED PROJECTS



DRI Unit
Refractory Maintenance
NEYRIZ STEEL DRI PLANT

CLIENT
Neyriz Ghadir Steel Complex

LOCATION
Neyriz Ghadir Steel Complex

PROJECT PERIOD
Winter 1403 SH (2024–2025)





SCOPE OF WORK:

Refractory maintenance of the furnace, bustle pipe, recuperator, dog legs and flue gas ducts. Works included furnace gunning; cutting, formwork, refractory casting and welding of flue gas ducts; refractory casting at dog-leg openings; cutting and refractory casting of the recuperator roof; and ceramic fiber blanket installation, bricklaying and refractory casting of the bustle pipe.

KEY PROJECT ACTIVITIES

- Furnace Gunning
- Bustle Pipe Blanket Installation & Bricklaying
- Recuperator Refractory Casting
- Flue Gas Duct Welding
- Cutting & Formwork
- Dog-Leg & Duct Refractory Repairs

COMPLETED PROJECTS

Mechanical Installation & Commissioning of TG Hall and Coke Storage Equipment

ARDAKAN GRAPHITE ELECTRODE PLANT



CLIENT
Foolad Technic International Engineering Company

LOCATION
Ardakan Graphite Electrode Plant

PROJECT PERIOD
1401 SH (2022–2023)

SCOPE OF WORK:

Installation of all mechanical equipment, including tanks, overhead and pillar cranes, belt conveyors, chain conveyors, bucket elevators, screw conveyors, vibratory feeders, rotary feeders, bag filters, weighing systems, ducts and stacks, together with auxiliary equipment and associated structures; cold testing and pre-commissioning.

KEY PROJECT ACTIVITIES

- Tank Installation
- Overhead & Pillar Cranes
- Belt & Chain Conveyors
- Bucket Elevators & Screw Conveyors
- Vibratory & Rotary Feeders
- Bag Filters & Ducts
- Weighing Systems & Stacks

COMPLETED PROJECTS

Mechanical & Refractory Maintenance of the 500 Rolling Mill Furnace

ESFAHAN STEEL COMPANY (ZOB AHAN)

CLIENT
Esfahan Steel Company

LOCATION
Esfahan Steel Company

PROJECT PERIOD
1401 SH (2022–2023)



SCOPE OF WORK:

Demolition and relining of the roof, walls and hearth of the 500 rolling mill furnace at Esfahan Steel Company, together with replacement of burner blocks and furnace recuperators.
The work was completed in 10 days, operating in two shifts with approximately 85 personnel per shift.

KEY PROJECT ACTIVITIES

- Furnace Roof Demolition & Relining
- Furnace Wall Demolition & Relining
- Furnace Hearth Demolition & Relining
- Burner Block Replacement
- Furnace Recuperator Replacement
- Approx. 85 Personnel per Shift
- 10 Days / Two Shifts

COMPLETED PROJECTS

Waste Incinerator Package Installation & Pre-Commissioning

PERSIAN GULF STAR CONDENSATE REFINERY

CLIENT
Faradast Energy Falat Company

LOCATION
Persian Gulf Star Condensate Refinery

PROJECT PERIOD
1396 – 1398 SH
(2017 – 2020)



SCOPE OF WORK:

Complete installation, pre-commissioning and commissioning assistance for the waste incinerator package, including civil and structural works, static and rotating mechanical equipment, piping, electrical and instrumentation, refractory works, and fireproofing of columns and equipment supports.

The main package components include the steam drum, incinerator, burners, air fan and a 75 m high stack.

KEY PROJECT ACTIVITIES

- Incinerator Package Installation
- Boiler & Steam Drum Installation
- Air Fan & Burner Installation
- Piping & Mechanical Equipment Installation
- Equipment Refractory Works
- Civil & Structural Works
- Electrical & Instrumentation
- Column & Support Fireproofing

COMPLETED PROJECTS

DRI Plant Refractory Lining Project

NEYRIZ GHADIR STEEL COMPLEX

CLIENT
Foolad Technic International Engineering Company

LOCATION
Neyriz Ghadir Steel Complex

PROJECT PERIOD
1393 – 1395 SH
(2014 – 2017)



SCOPE OF WORK:

Installation and application of more than 2,000 tonnes of refractory materials, including refractory bricklaying, formwork, castable placement and gunning, anchor installation and putty application for all project equipment: the furnace, reformer, recuperator, combustion chamber, stack and all ducts.

KEY PROJECT ACTIVITIES

- Refractory Bricklaying
- Formwork, Casting & Gunning
- Anchor Installation & Putty Application
- Furnace Refractory Lining
- Reformer Refractory Lining
- Recuperator Refractory Lining
- Combustion Chamber Refractory Lining
- Stack & Duct Refractory Lining



COMPLETED PROJECTS

FLASH & ELECTRIC FURNACES MAJOR OVERHAUL

KHATUNABAD COPPER SMELTER

FOR THE FIRST TIME IN IRAN

Project Year:
1390 SH
(2011–2012)

Duration:
38 days
Two 12-hour shifts

Location:
Khatunabad
Copper Complex

Client:
National Iranian
Copper Industries
Company

The mechanical and refractory works were completed in 38 days, working two 12-hour shifts, with the following scope:

MECHANICAL WORKS

- Dismantling, repair or replacement, and reassembly of all furnace mechanical components, including piping, burners, blowers, chutes and hoppers.
- Replacement of all damaged and burnt steel structures, reassembly, and repair of the damaged furnace shell.
- Pressure testing of water jackets and pipes, with replacement of perforated or leaking components.
- Dismantling and reinstallation of all furnace electrical and instrumentation equipment, including replacement and adjustment of thermocouples and wiring.

REFRACTORY WORKS

- Complete removal of refractory lining from the reaction shaft walls.
- Removal of refractory lining from the uptake wall.
- Partial removal of refractory layers from the settler floor.
- Removal of approximately 1,300 tonnes of debris from the flash furnace, followed by relining with refractory bricks and castables.





OTHER COMPLETED PROJECTS

01 Annular Cooler Installation – Ardakan Pelletizing Plant

Installation of a 1,500-tonne annular cooler, including material transfer lines, all ducts and hoppers.



02 Refractory Lining – Khatunabad Copper Smelter

Installation of over 45,000 tonnes of refractory materials in the flash furnace, electric furnace, converters, anode furnaces and all ducts.



03 Refractory Maintenance – Khatunabad Copper Smelter

Daily and periodic refractory maintenance over five years, including anode furnaces and converters, plus daily repairs to tundishes, ladles and launders.



04 Dolomite Kiln Refractory Works – Mobarakeh Steel, Isfahan

Over 1,300 tonnes of refractory brickwork and insulation for two twin-shaft vertical dolomite calcination kilns.



05 Pusher Furnace Refractory Works – Kavir Steel, Kashan

Application of over 1,200 tonnes of refractory materials, including brickwork, anchors, putty, formwork and castables for the rebar rolling expansion reheating furnace.



06 Boiler Wall Repairs – Khatunabad Copper Smelter

Ten-day repair project in two 12-hour shifts: over 3,000 m³ of boiler scaffolding, sealing the uptake opening and repairing its wall.



07 Acid-Resistant Brickwork – Persian Gulf Star Oil Refinery

Application of over 100 tonnes of acid-resistant lining, including bricks and insulating mortar, in two sulfur degassing basins.



08 Factory Expansion – Atash Pouya Refractory Bricks

Design, fabrication, construction and commissioning of an automatic brick-firing tunnel kiln, 40 m long and 5 m wide, operating at 1,300°C.



09 Cyclone Fabrication – Khatunabad Copper Smelter

Fabrication and installation of five hot-air cyclones for the flash furnace.



10 Lime Kiln Refractory Works – Semnan Sodium Carbonate Company

Installation of over 1,900 tonnes of refractory materials in two lime kilns, each 30 m high.



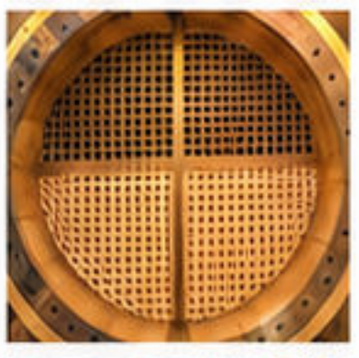
11 Melting Furnace Refractory Works – Hezar Aluminium, Kerman

Installation of over 300 tonnes of refractory materials, including castables, ramming mixes, boards and refractory bricks.



12 Formwork & Refractory Casting – Ilam Gas Refinery

Periodic maintenance, including formwork, anchor installation and refractory casting on sulfur reaction furnace tube sheets.



13 Equipment Refractory Works – Ardakan Pelletizing Plant

Refractory lining of over 4,500 tonnes across the annular cooler, rotary kiln, travelling grate, burners, stack and all ducts.



14 Tunnel Kiln Refractory Works – Mirikhipour Brick Factory

Over 3,100 tonnes of refractory brickwork for a tunnel kiln, 186 m long and 9 m wide, plus 55 brick transport cars.



15 Guesthouse Renovation – Hormozgan Steel Company

Material procurement and renovation of all floors of the Hormozgan Steel guesthouse in Isfahan.



16 Restaurant Renovation – Hormozgan Steel Company

Material procurement and renovation of the Morvarid Restaurant at Hormozgan Steel.



CLOSING MESSAGE

At Asa Sanat Espadan, we see every project as more than a contract: an opportunity to demonstrate commitment, expertise and accountability, and to build a lasting partnership.

More than two decades of involvement in Iran's industrial projects have taught us that success comes from combining experience and technical knowledge with precise planning, quality execution, safety and a firm commitment to our obligations.

We will continue to develop ASACO through our clients' trust, the capabilities of our people, and the continuous improvement of our engineering, procurement and construction expertise. We stand ready to work alongside industrial owners and business partners to make a meaningful contribution and create value in future projects.

YOUR TRUST, OUR RESPONSIBILITY.

ASA SANAT ESPADAN

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