



Petro Energy Man Group

EPCC Contractor and Equipment
Manufacturer of Petrochemical,
Gas & Oil Refinery and Power
Plant Projects.

Knowledge-Based

The Petro Energy Man Group (PEM Group) commenced operations in 1996. Initially focused on construction projects and related services, the company reached a major turning point by 2005, expanding its capabilities in engineering, procurement, fabrication, and construction across power plant, petrochemical, and cement industries.

Currently, PEM Group holds a contractor qualification certificate from the country's budget and planning organization, enable to execute EPC projects in various sectors, including industry, oil and gas, petrochemicals, refineries and more. Guided by a strategic focus on quality and customer satisfaction, our team consistently strives to promote a culture of research, innovation, and adherence to international standards.

As a result of these ongoing efforts, PEM Group has established a strong presence in both domestic and international markets for engineering, procurement, and construction projects. The company is also recognized by the budget and planning organization in the fields of petroleum and industry and maintains membership in several prominent associations, including:



Currently, PEM boasts a workforce of over 200 skilled and experienced professionals, including managers, engineers, and technicians, as well as 4 subsidiary companies. This robust team is well-equipped to undertake large-scale mega projects in engineering, procurement, material supply, fabrication, construction, and installation at every level.

Furthermore, PEM provides comprehensive pre-commissioning and commissioning services to enhance convenience for clients.



PEM Group Subsidiaries:

- ▶ **1-EPC Company**
- ▶ **2-Fabrication Company**
- ▶ **3- Commissioning, Operation and Maintenance Company**
- ▶ **4-Commercial Company**



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1-EPC Company:

As the subsidiary of the PEM Group, established in 1996, this company manages projects in power generation, industry and mining, and petrochemicals, among others. We oversee the engineering, procurement, and construction phases of these projects, ensuring that designs are finalized, materials and equipment are sourced efficiently, and construction activities are executed on schedule and to the highest quality standards.

Our primary objectives are to deliver projects more quickly, enhance convenience for owners, fully integrate different project phases, and improve budgeting for schedule-driven initiatives. By completing all project phases within a single company and under a single contract, we streamline processes and enhance overall project efficiency.

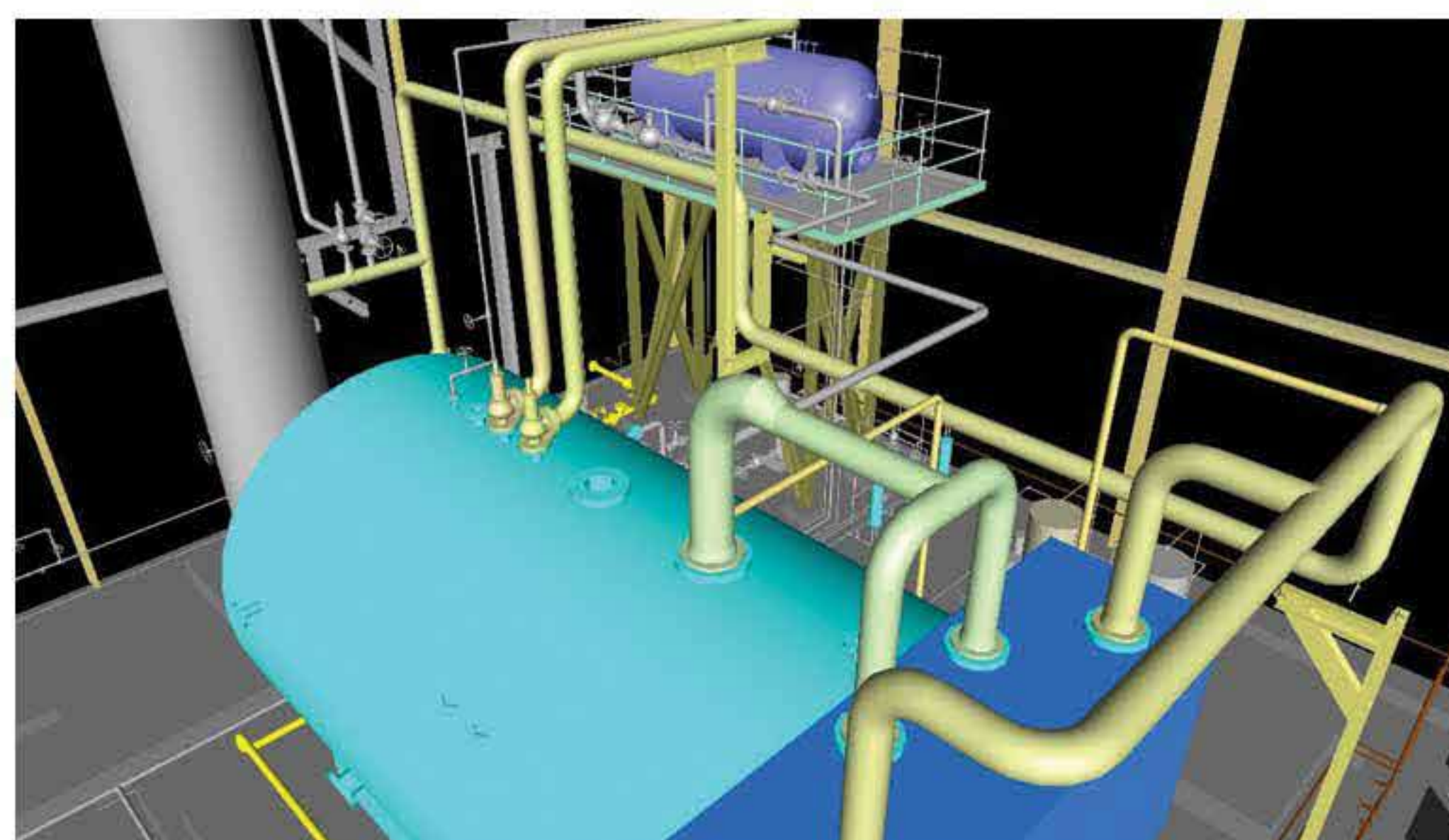
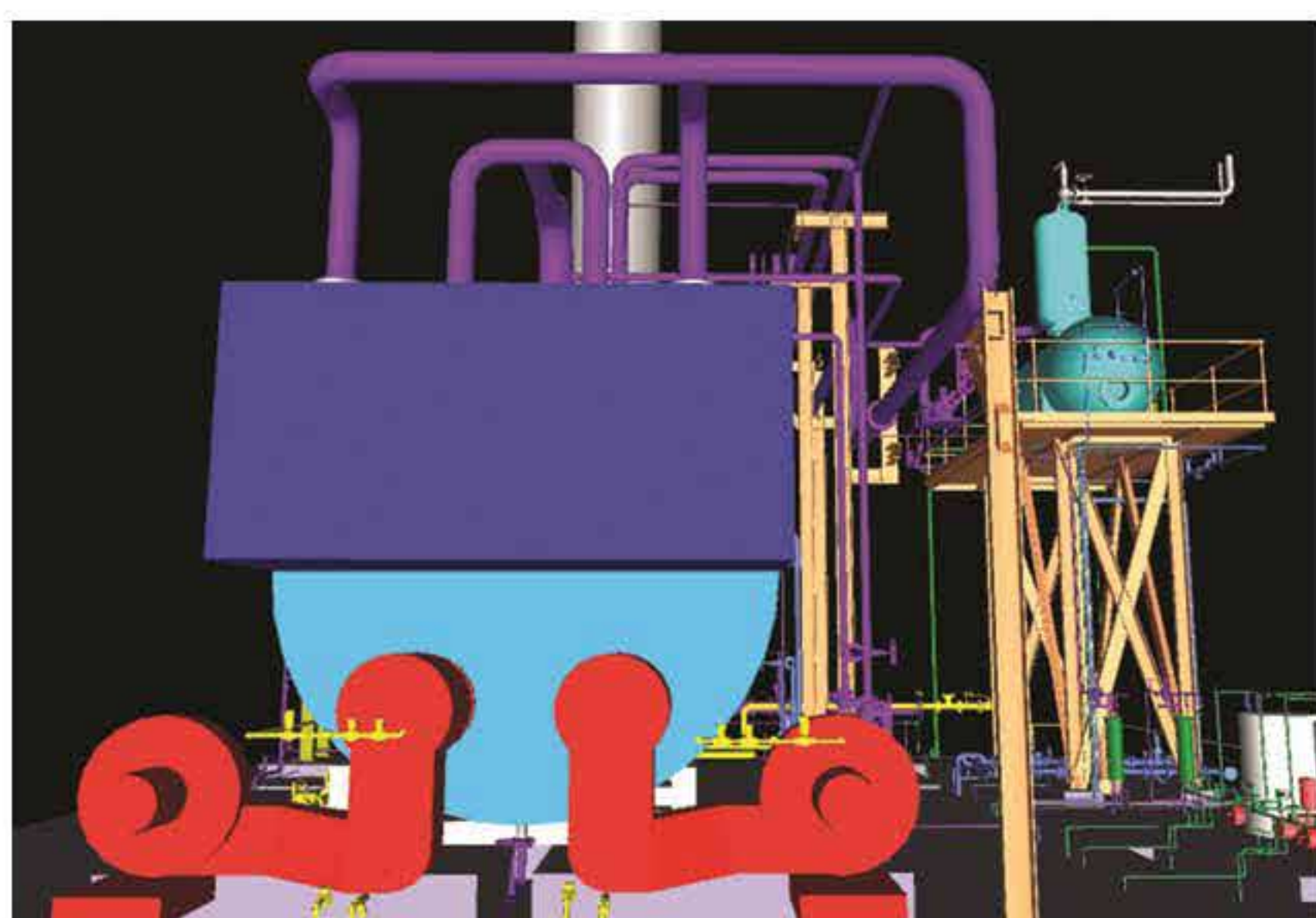
The integrated collaboration of a single team throughout the front-end planning process enables our company to overlap project stages and optimize the overall sequencing of the project.



► 1-1: Engineering Phase:

Once all scope parameters such as equipment selection, timeline, resources, budget, and quality criteria have been agreed upon by all parties involved, our engineers initiate the detailed engineering and design phase. Three-dimensional modeling of oil, gas, and power plant industrial projects is conducted based on various documents from the rotary, fixed equipment, process, electrical, and instrumentation departments.

This modeling process takes into account even the smallest details of the project to ensure the highest level of accuracy. It allows engineers to conduct thorough analyses of the project prior to construction and production, effectively mitigating potential issues. Consequently, all engineering disciplines collaborate to determine and produce an optimal design for project success, ultimately developing a design that balances budget, quality, and efficiency.



► 1-2-: Procurement Phase

Our procurement company is involved from the project's inception, developing a detailed and strategic procurement management plan, through to the end of the project lifecycle. We oversee all sourcing, purchasing, and inspection of products, materials, services, and equipment required for construction.

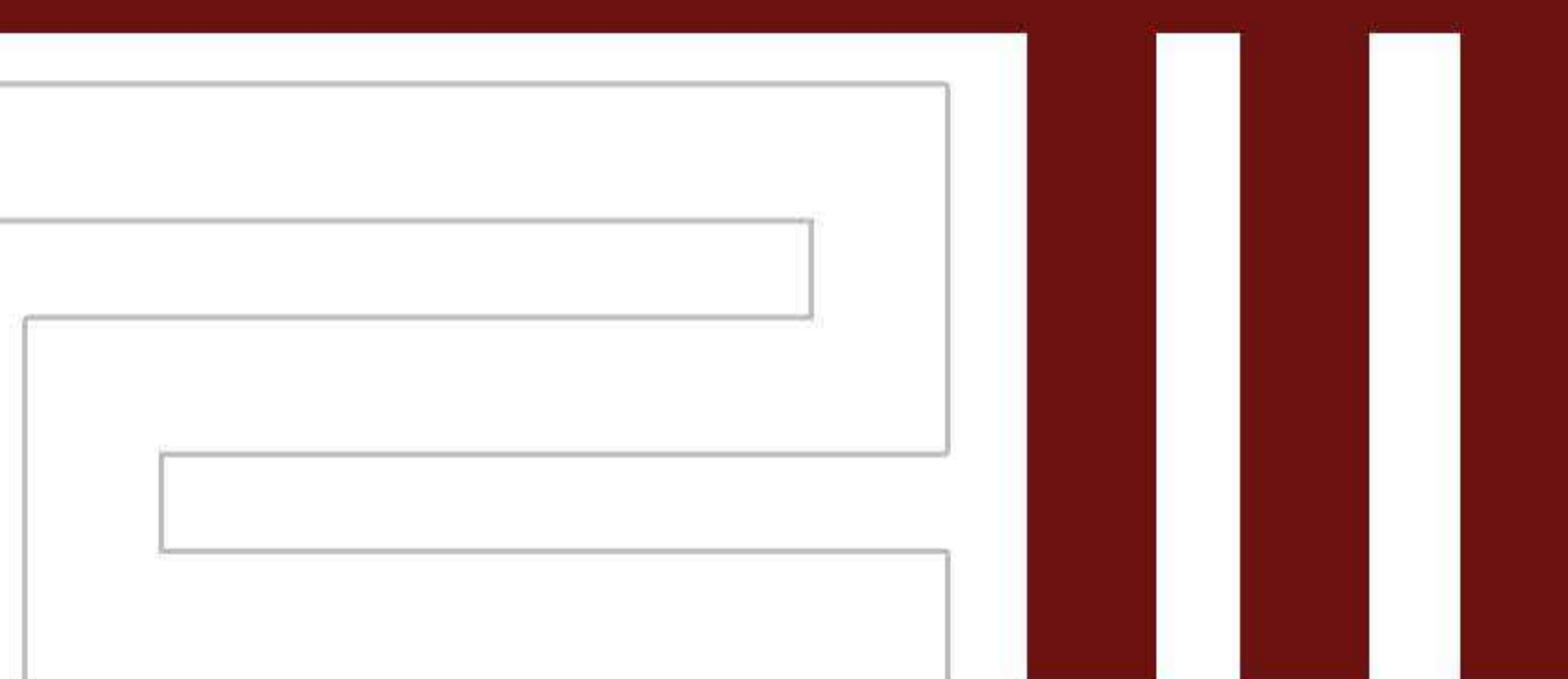
The company establishes a framework for a strategic procurement schedule that ensures timely deliveries, helping to maintain the overall construction timeline. The activities in this phase include:

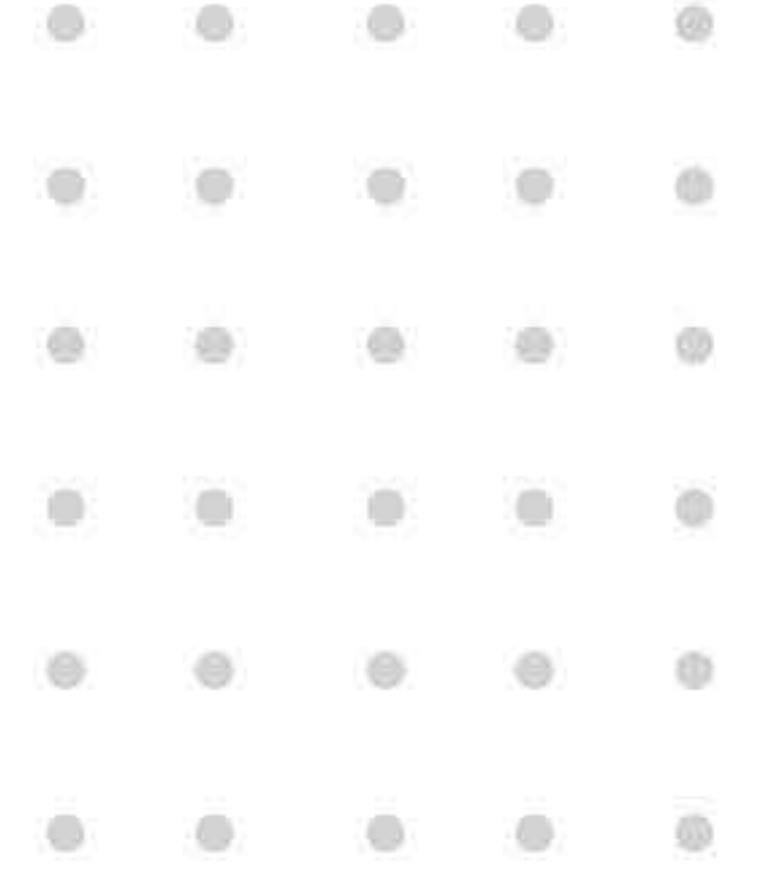
- ▶ Setting a plan that outlines the timeline for purchasing each item and identifying critical procurement milestones, which are regularly updated to assess any impacts on the project.
- ▶ Organizing and prioritizing all procurement activities at the commodity level while determining the optimal sequencing of these activities.
- ▶ Providing full transparency regarding critical procurement-related activities.



▶ 1-3: Construction Phase

The construction team completes the construction of various project components while work packages are still in the engineering, design, or fabrication phases. During the construction phase, the remaining activities necessary to meet predetermined deadlines and project goals are carried out. These activities encompass all civil, structural, piping, equipment, electrical, and instrumentation work required to fulfill the project scope.





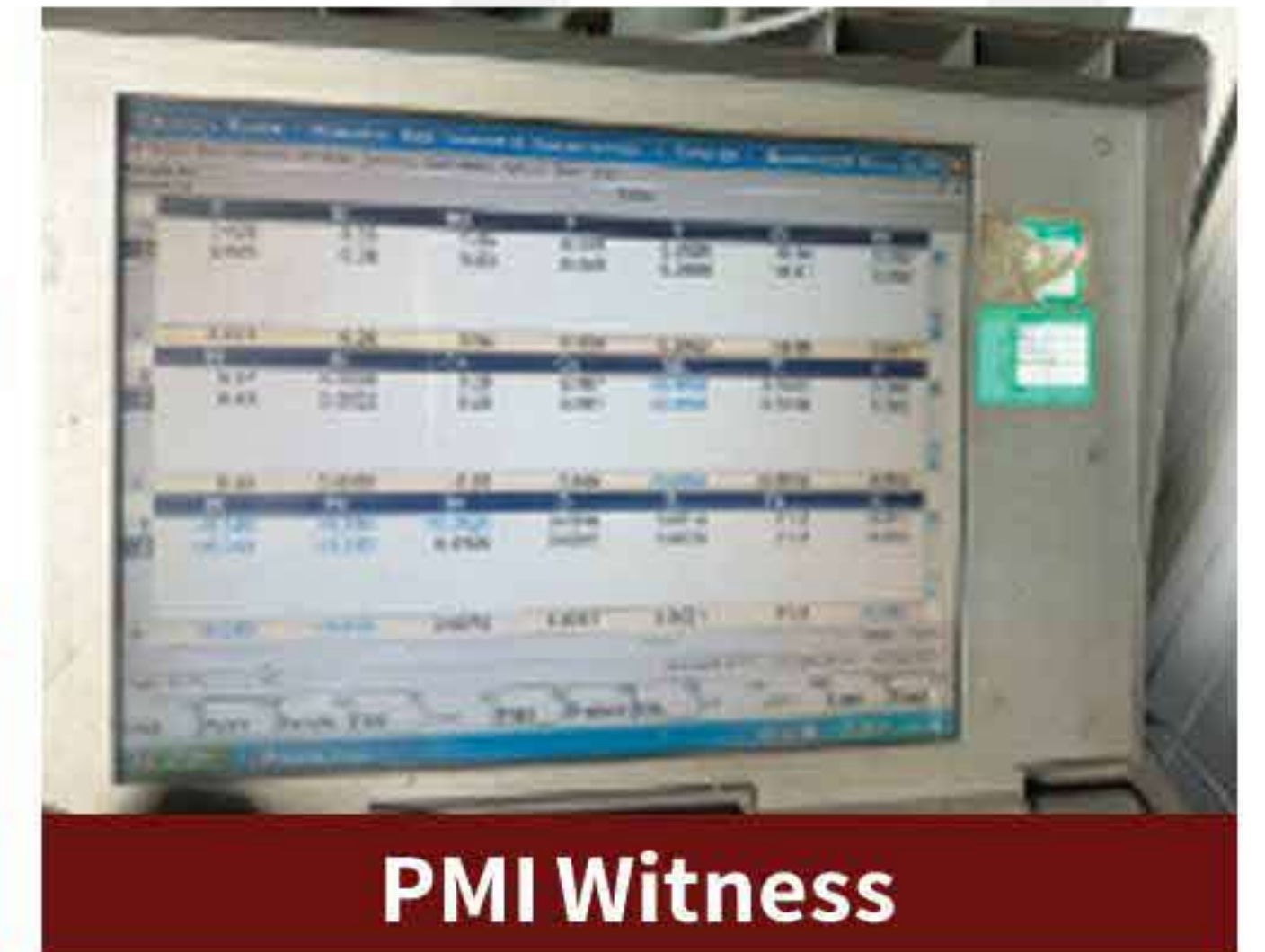
► 1-4: Inspection

Inspection is an essential aspect of EPC projects. Our company's inspection process ensures that the equipment being manufactured meets specified quality standards and complies with regulations, thereby improving project scheduling. This process involves rigorous checks and tests to verify that materials and workmanship align with project requirements.

By conducting thorough inspections, project managers mitigate the risk of equipment failure, which may lead to costly delays and safety hazards. This proactive approach safeguards project success, ensuring timely completion and operational efficiency.



PMI Witness



PMI Witness



Visual quality check



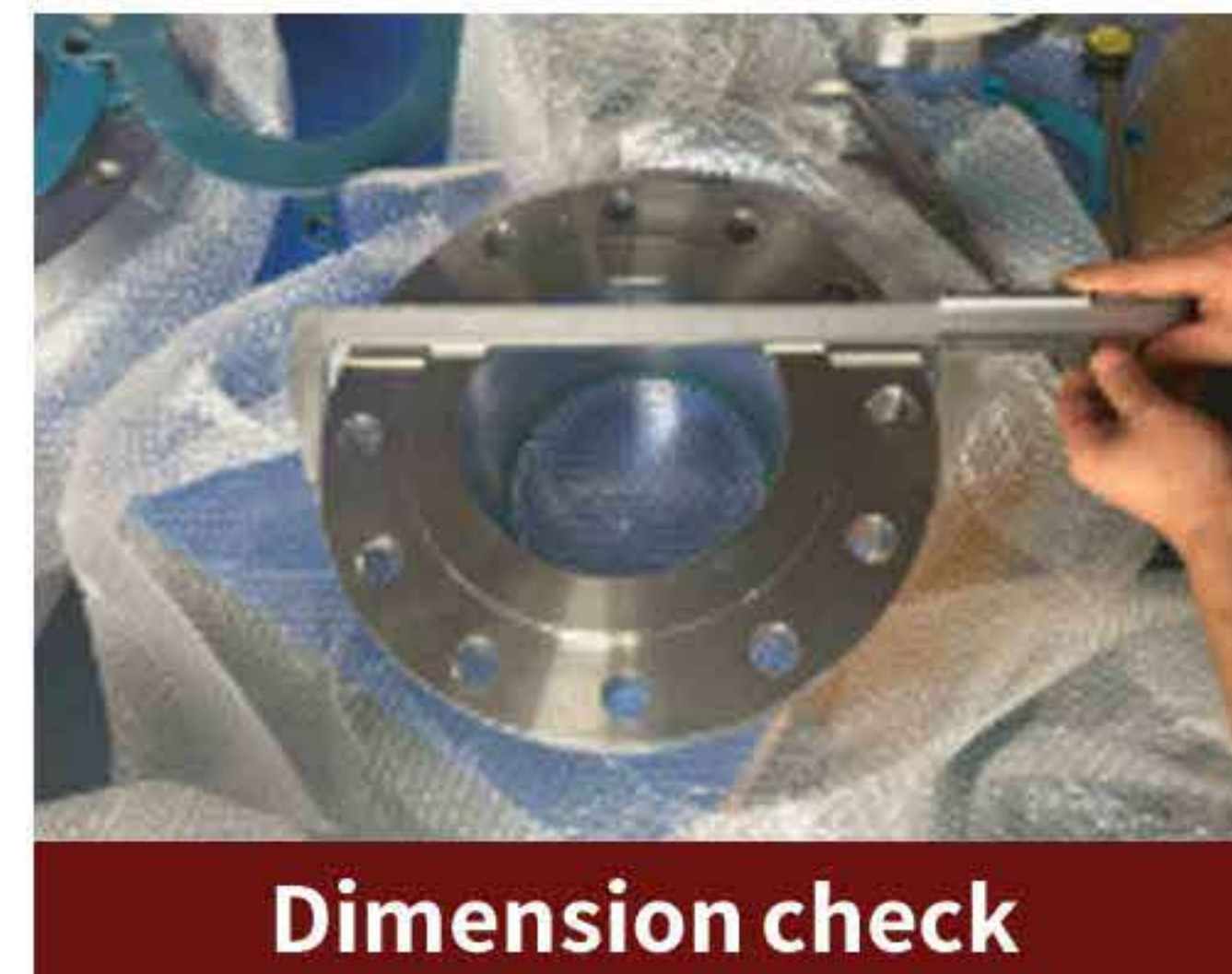
Marking check



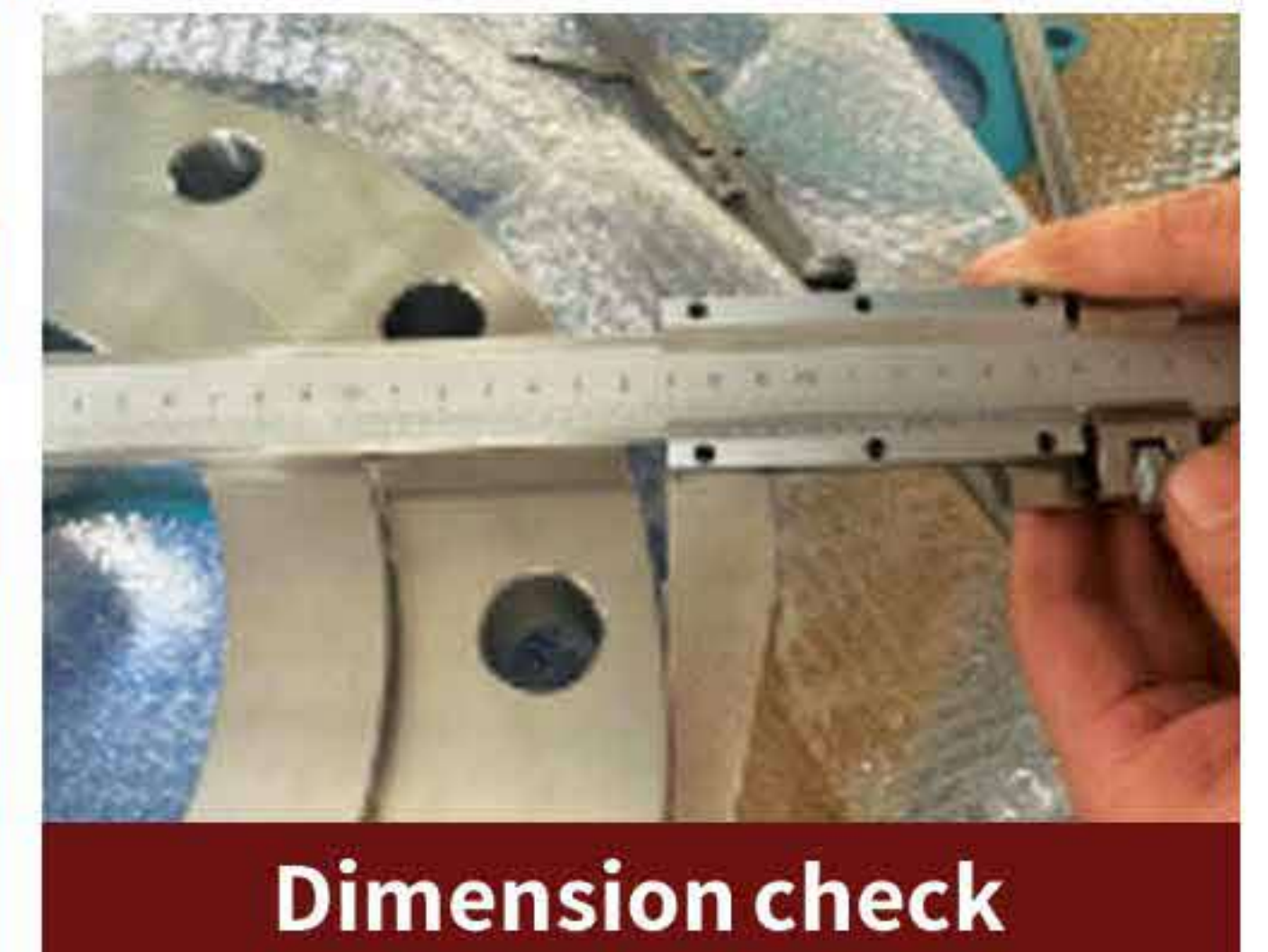
Packing check



Packing check



Dimension check



Dimension check



Packing check



Packing check



Dimension check



Dimension check

► Innovation:

Our EPC company features an in-house fabrication workshop, staffed with specialized engineers and technicians. This capability allows us to pre-fabricate, pre-assemble, or pre-weld various project components off-site in accordance with the isometric drawings derived from our 3D modeling software. These components are then transported to different project sites, ensuring that all construction activities are performed safely and accurately.

In-house fabrication enhances the cohesive workflow and communication streams while providing greater schedule certainty. It also enables the setup of small workshops on-site, allowing spools to be connected to equipment with minimal facilities and time. As a result, both project costs and timelines are significantly reduced. For example, in one petrochemical project, spools were fabricated and assembled in Tehran, allowing us to complete the project in just 15 days in Assaluyeh.

Fabrication Company:

PEM Group's second subsidiary is a fabrication company established in 2012, with two factories located in Tehran, Iran. This subsidiary is capable of producing a wide range of equipment for the industrial, oil, gas, and petroleum sectors.

The company specializes in the production of special equipment that requires research and development, reverse engineering, or front-end engineering. Most processes in our factory are automated, utilizing advanced computer technologies to reduce lead times, costs, and material usage while enhancing accuracy and quality.

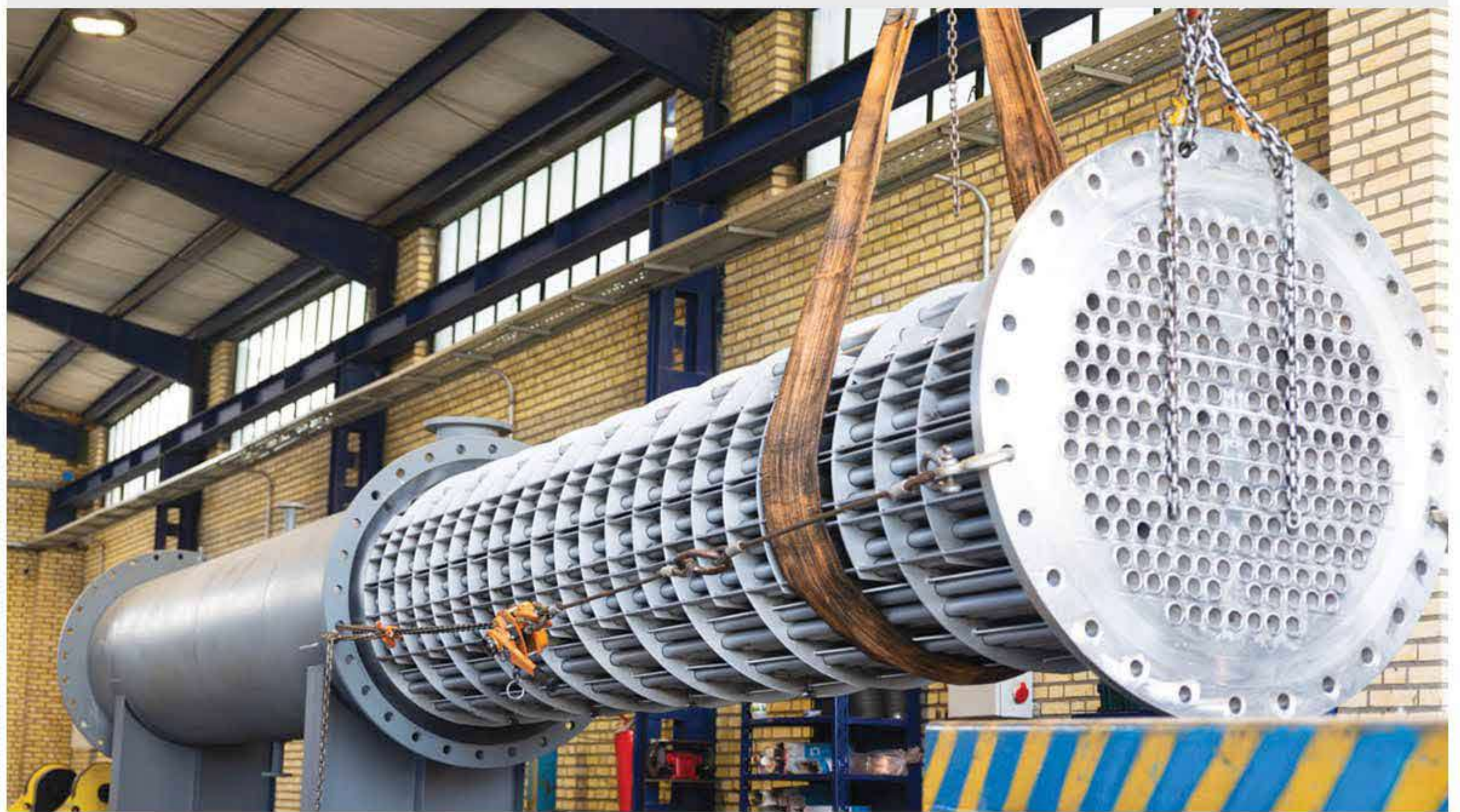


► Water-Tube Boilers





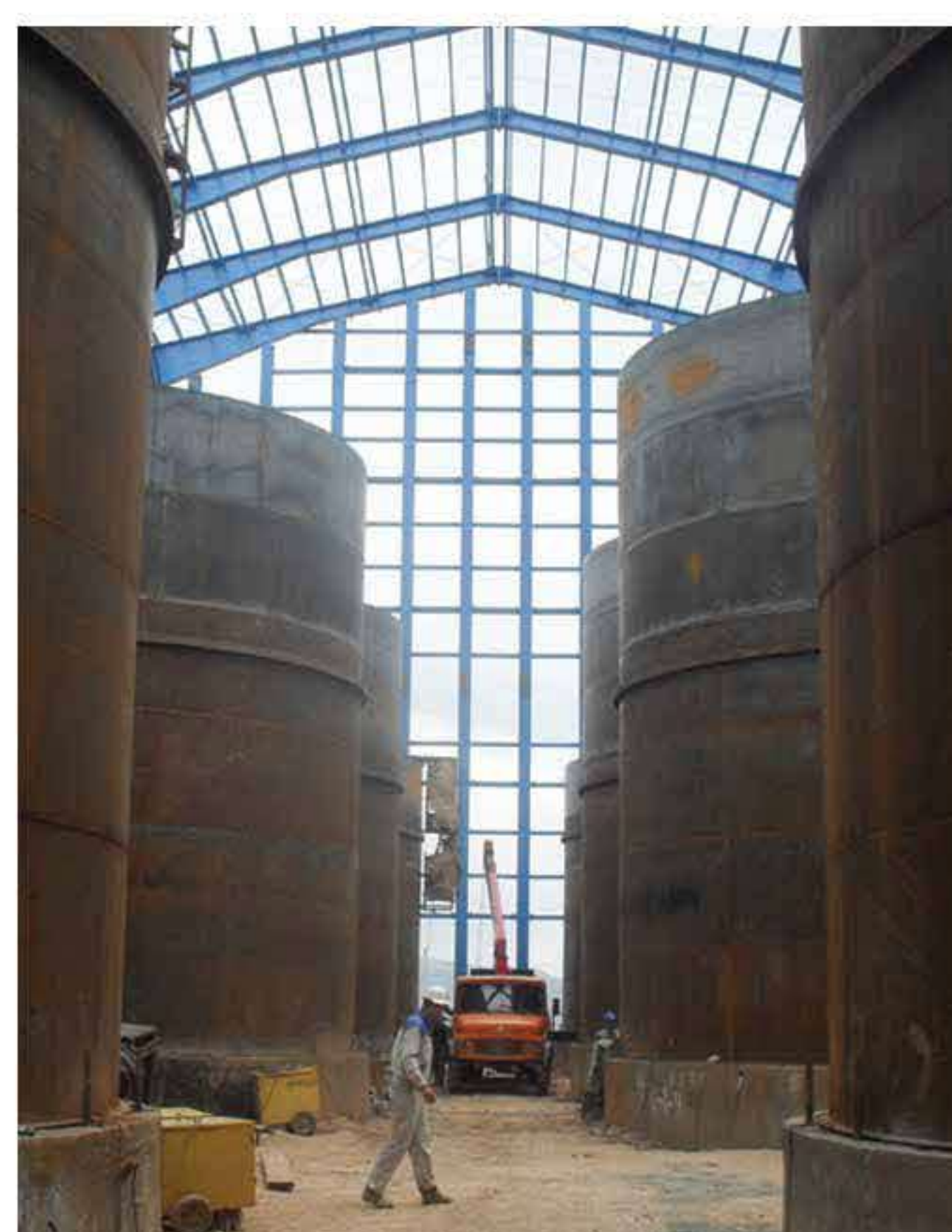
► Heat Exchangers



► Reactors



► Storage tank



► Stainless Steel Vessels



► Special Equipment





Commissioning, Operation and Maintenance Company:

The commissioning, operation, and maintenance company (COM) was established as a subsidiary of PEM Group in 1996. COM specializes in commissioning, operation, maintenance, and performance testing. We offer a comprehensive range of services, including pre-commissioning, commissioning, operation, repairs, and periodic maintenance for petrochemical facilities, oil and fuel plants, thermal power plants, hydroelectric power plants, renewable energy facilities, as well as industrial and mining projects. Our goal is to deliver these services effectively to employers and clients.



The main activities our group provides include:

- ▶ Emergency, preventive and predictive maintenance of equipment.
- ▶ Pre-commissioning, commissioning, and operating the equipment and devices.
- ▶ Planning and implementing projects for renovation, optimization, and production capacity promotion.

To date, we have successfully completed the following projects:

Commissioned over 80 power plant projects.

Commissioned over 20 petrochemical projects.

Commissioned over 450 industrial projects.

Operation of more than 40 projects.

Completed overhaul of 150 projects.

Conducted maintenance on more than 100 projects.

Commercial Company:

The commercial company was established as a subsidiary of the PEM Group in 1975. Procurement of materials and equipment is a pivotal phase that significantly influences the overall success of projects and manufacturing. Our expert commercial inspectors ensure that the materials, equipment, and machines being manufactured meet the required standards and specifications.

Currently, the company has four offices located in:

Iran - Tehran Province

China – Hebei Province

Dubai – Media City

Canada – Vancouver city

We import a wide range of raw materials, including pipes, flanges, fittings, valves, instruments, electrical items, electric motor pumps, burners, and more. All materials and equipment are sourced at the highest quality from the client’s specified vendor list, such as MOP-NPC and others.

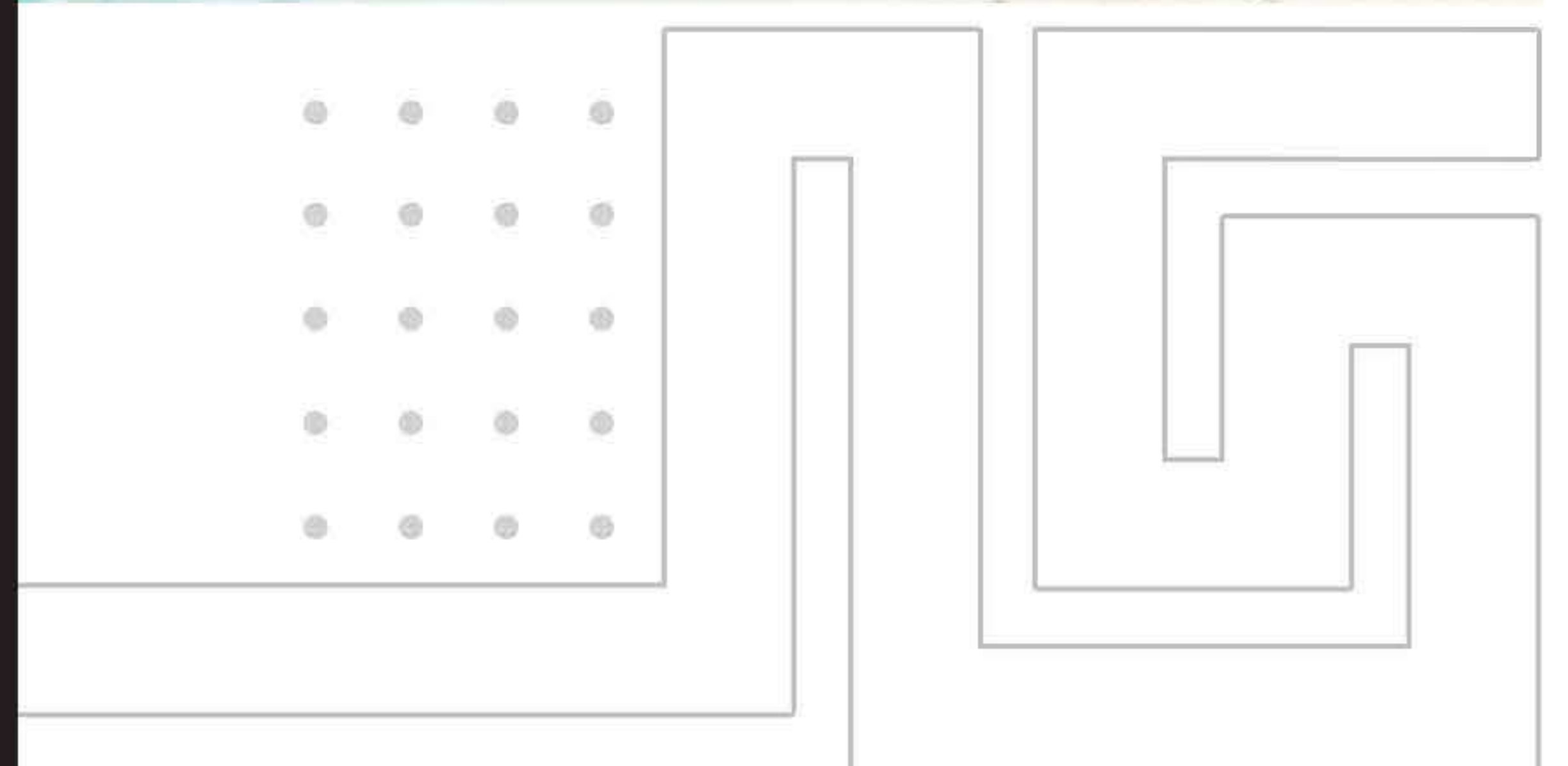
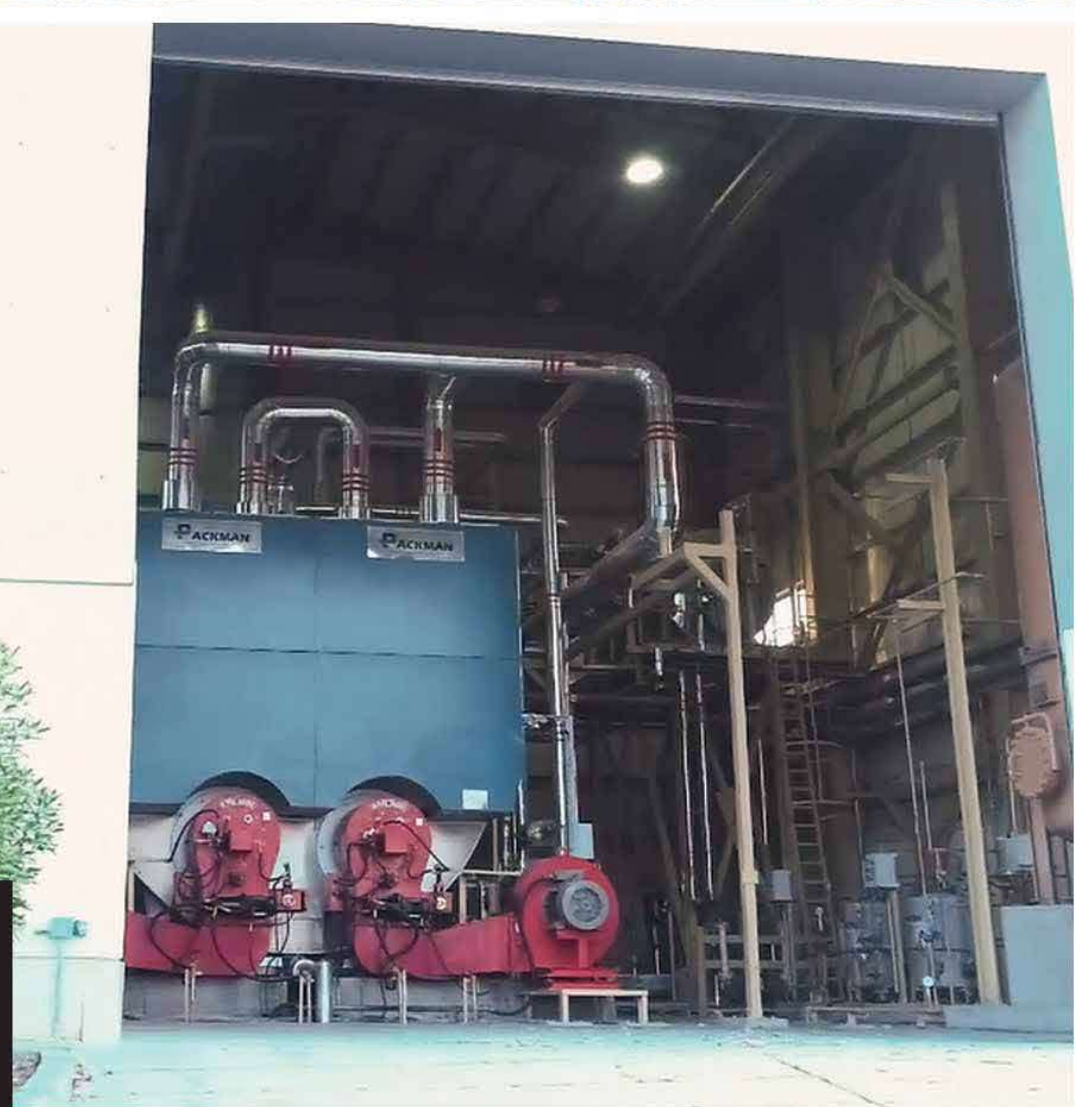


Some of Perto Energy Man`s Projects:

► Power Plant Projects:

Kahnouj C.C.P.P Power Plant - Kerman
Sabalan Power Plant - Ardabil
Roudshour Power Plant - Markazi
Dalahoo Power Plant- Kermanshah
Abadan C.C.P.P Power Plant - Khuzestan
South Isfahan Power Plant – Isfahan
Ardabil Power Plant– Ardabil
Behbahan Power Plant - Khuzestan
Samangan Power Plant 7.5- Kerman
Samangan Power Plant 25- Kerman
Sanandaj Power Plant - Kordestan
Shirvan Power Plant - Khorasan
Kerman Power Plant - Kerman
Kermanshah Power Plant - Kermanshah
Genaveh Power Plant - Bushehr
Khatoon Abad Power Plant-kerman
Neka Power Plant - Mazandaran



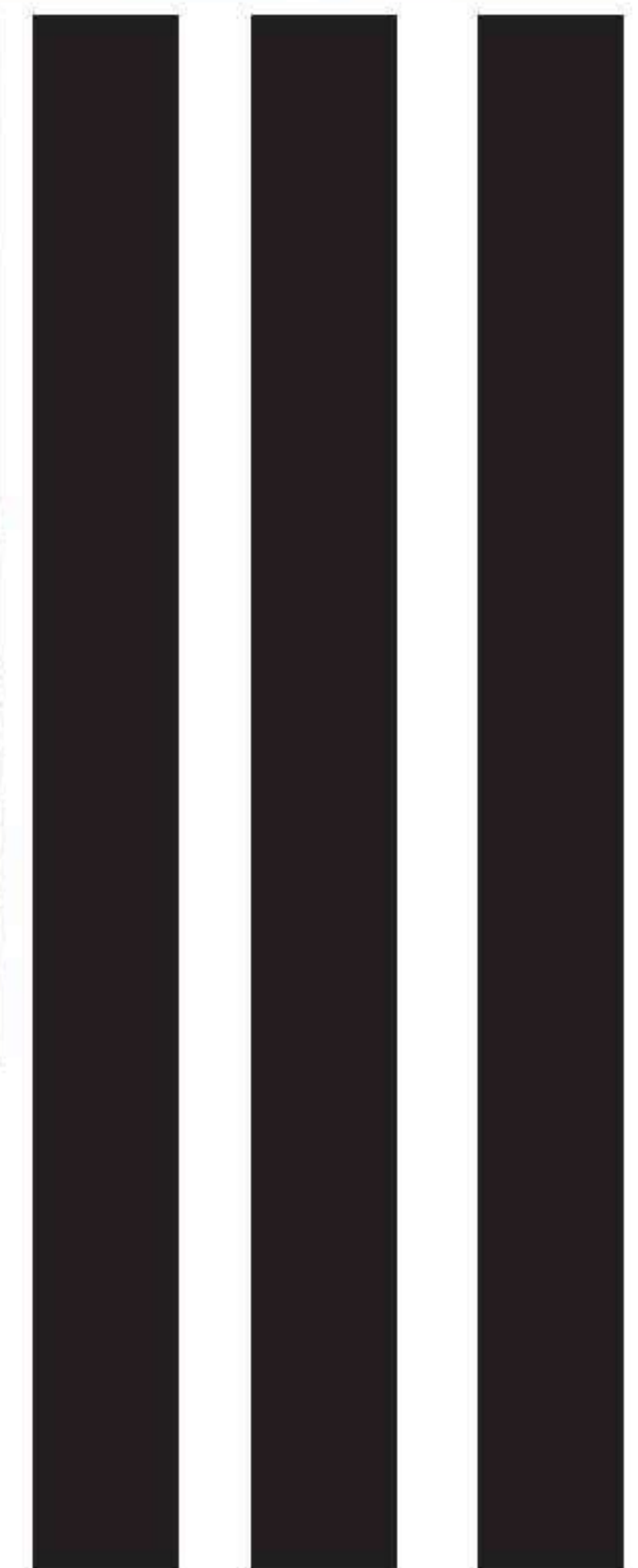


Chabahar Power Plant – Sistan And Baluchestan
 Khoy Power Plant-west Azerbaijan
 Damavand Power Plant- Tehran
 Rumaila Power Plant - Iraq
 Urmia Power Plant -West Azerbaijan
 Heris Power Plant-6-east Azerbaijan
 Heris Power Plant-14-east Azerbaijan
 Yazd Power Plant - Yazd
 Yazd Solar Power Station Plant - Yazd
 West Karoon Power Plant - Khuzestan
 Kazeroon Power Plant - Fars
 Kashan Power Plant - Kashan
 Parand Power Plant - Tehran
 Parehsar Power Plant - Gilan
 Tishreen Power Plant-syria
 Tous(ferdowsi) Power Plant - Khorasan
 Jandar Power Plant-syria
 Jahrom Power Plant - Fars
 Asaluyeh Power Plant - Bushehr
 Ghaen Power Plant - Khorasan
 Natanz Power Plant – Isfahan
 Shirkuh Combined Cycle Power Plant - Yazd
 Urmia Shahid Seyed Abbas Fatemiyeh Gas Power Plant- Urmia
 Khatun Abad Power Plant - Kerman
 Golgozar Sirjan Power Plant -Kerman

► Petrochemical Projects:

Fanavaran Petrochemical Company / Khuzestan
Rayan Polymer Pooya Petrochemical Company /
Bakhtar Group / Bushehr
Negin Sonqor Petrochemical Company / Persian Gulf /
Kermanshah
Sadaf Petrochemical Company / Persian Gulf / Bushehr
Farab – South Pars P.P / Bushehr
Entekhab Petrochemical Company / Bushehr
Takhte Jamshid Petrochemical Company / Khuzestan
Pasargad Oil Company / Khuzestan

Marun Petrochemical Company / Khuzestan
Urmia Petrochemical Company / Urmia
Takran Pars Petro Refinery / Tehran
Aftab Oil Refining Company / Hormozgan
Pasargad Oil Company / Hormozgan
Bandar Imam Petrochemical Company / Khuzestan
Sarv Oil & Gas Company / Tehran
Persian Gulf Star Oil Company / Hormozgan



► Industry and Mine Projects:

Shahrekord Cement – Chaharmahal Bakhtiary
Zabol Cement – Sistan And Baluchestan
Zarkam Research And Industrial Group -Manufacturing
Hall- Alborz
Zarkam Research And Industrial Group- Utility-alborz
Zarshouran Gold – Azarbayijan
Rokesh Aria Pooya – Gilan
Nowshahr C.C.P.P(caspian) - Mazandaran
Sadra - Mazandaran
Kermanshah Bioethanol - Kermanshah





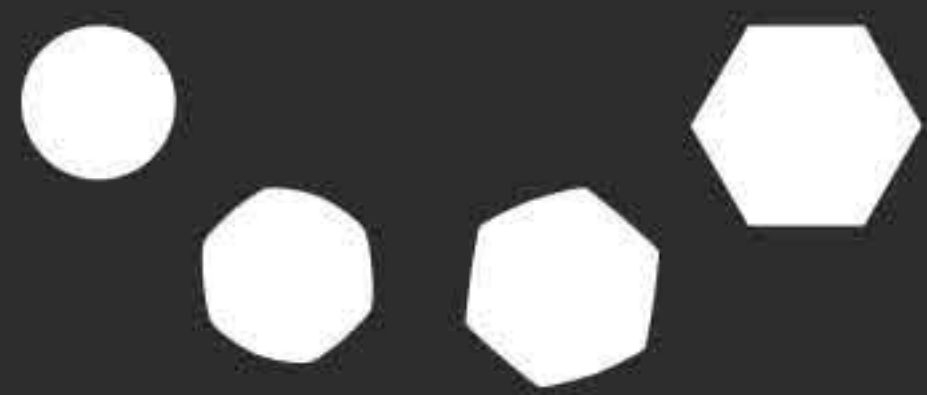
Iranian Merdas – Alborz
 Iran Khodro – Khorasan
 Minoo Industrial Group – Sistan And Baluchestan
 Behsan Soroosh – Isfahan
 Ilia Sazeh Novin – Yazd
 Zamyad – Tehran
 Mobarakeh Steel Company -Isfahan
 Rosemond - Mazandaran
 Sungun Cathodic Copper Production- Azarbayijan
 Iranian Babak Copper Company-kerman
 Basht Industrial Project-kohgiluyeh And Boyer-ah-
 mad
 Shahid Rajaee Port Complex- Hormozgan
 Golgohar Sirjan– Kerman
 Marinasun - Alborz
 NICC - Qom
 Novin Choob - Khuzestan
 Pak Choob - Khuzestan
 Kerman Motor – Kerman
 Modiran Khodro – Kerman
 Mammut Khodro – Alborz
 IKAP Khodro– Tehran
 Maanian Khodro – Alborz
 JTI - Zanzan
 Padideh Shimi Jam– Zanzan
 Serjin Baft – Zanzan
 Fouman Chimie– Gilan

► **International Projects:**

Rumaila Power Plant – Iraq
 Tishreen Power Plant-syria
 Jandar Power Plant-syria
 Keryas Paper – Oman
 OLL Oil And Gas – Iraq
 Erbil Petrol Refinery - Iraq
 Kalleh – Iraq
 Kalleh – Sulaymaniyah
 Kalleh – UAE
 Sazeh Menareh Refinery - Iraq



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