



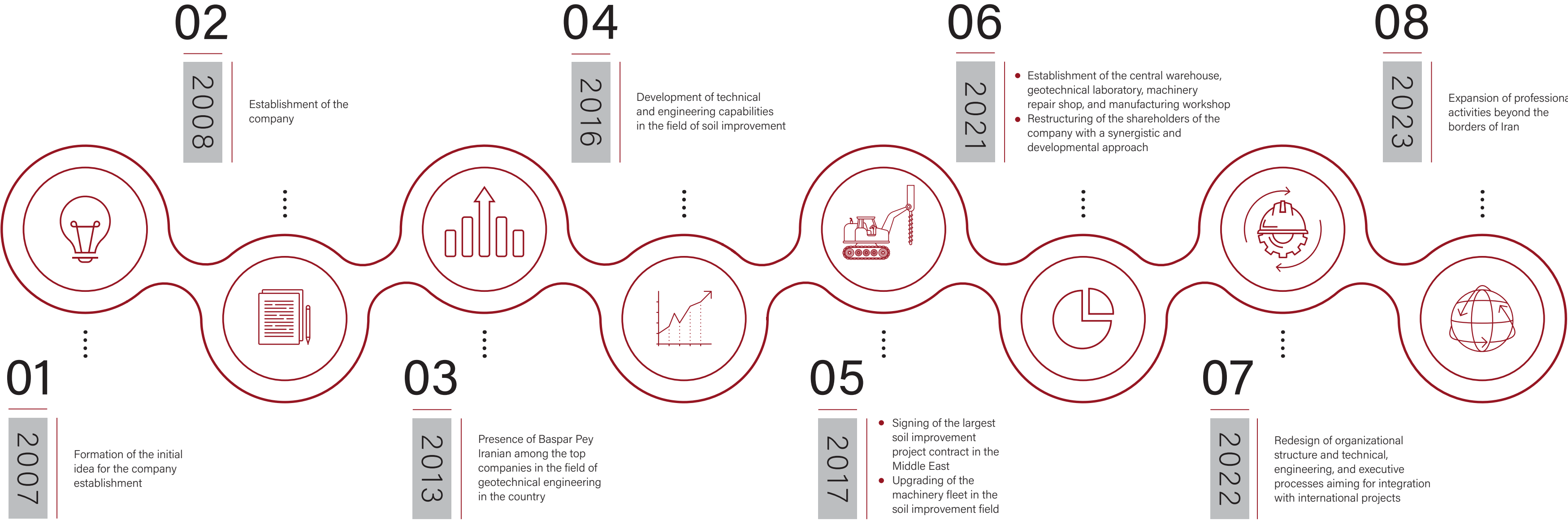
Professional
Innovative
Reliable

www.BasparPey.com



Baspar Pey Iranian company was founded in March 2008 by a group of graduates from the Faculty of Engineering of the University of Tehran based on the initial idea of creating a specialized contracting group in the field of geotechnical engineering. The vision of Baspar Pey Iranian has led the company to play its role in the field of investigation, design, quality control and assurance, procurement, management and execution of advanced geotechnical engineering projects. Baspar Pey Iranian has taken steps in its professional journey from the beginning, relying on advanced technical knowledge, modern technologies and a well-equipped fleet of machinery.

The asset trove of experiences gained from the successful design and execution of over two hundred large-scale projects, along with the employment of expert human capital, the usage of an advanced machinery and equipment fleet, and the fulfillment of all professional commitments, has led to the satisfaction of Baspar Pey Iranian's clients and project stakeholders. Due to the trust of the clients, Baspar Pey Iranian has risen to fame as a professional, innovative, and reliable group in the country's engineering community thanks to the trustworthiness and creation of its family members. Baspar Pey Iranian has set its goal of strengthening its position among international companies pioneering geotechnical engineering by focusing on the organization's vision and missions. This important goal will be achieved in the shadow of divine grace, by utilizing the knowledge and technology of Iranian specialists and benefiting from international collaborations.



VISION

- Activity as a specialized EPC contractor in the field of geotechnical engineering
- Preserving our reputation as the leading and pioneering geotechnical company in Iran
- Ensuring the satisfaction of the clients and other project stakeholders
- Expanding the scope of activities beyond the borders of Iran
- Utilizing the world's state-of-the-art technology and knowledge in projects

MISSION

- Establishing a position as one of the top EPC contractor companies in the field of geotechnical engineering by executing significant projects while maintaining technical standards, to ensure the clients' and project stakeholders' satisfaction
- Effective presence in scientific, technical, and professional associations
- Defining business methods in international communities for providing technical and engineering services
- Identifying and developing new technologies in the world through research and development, and implementation of these methods in the execution of projects in the best possible manner, while committing to environmental preservation and the principle of sustainable development



The current position of Baspar Pey Iranian Company in the construction industry is a testament to the successful efforts of the members of this large family to provide the highest level of innovative engineering services at the forefront of geotechnical projects and to gain the trust of the engineering community.

Maintaining the first position is always more difficult than achieving it. Therefore, the constant effort to strengthen the organizational structure and processes, improve the quality of engineering services, expand the technical substructure and the fleet of machinery, use modern management methods, utilize advanced knowledge and technologies, apply previous lessons learned, and develop human capital will be the key drivers of Baspar Pey's movement towards the future.

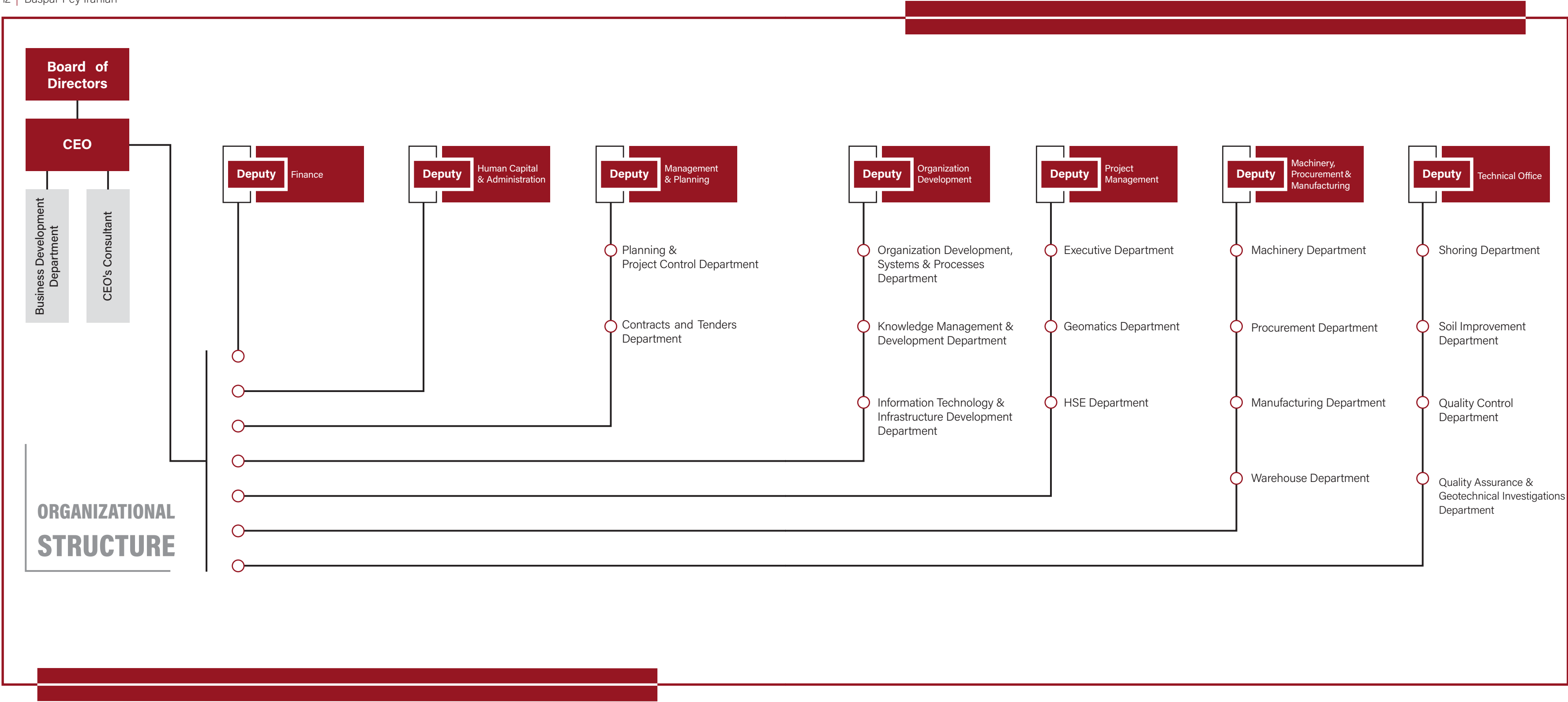
Achieving international engineering markets and expanding services in new technical fields will be accomplishments that we will hear more about soon.

Roozbeh SalehAbadi

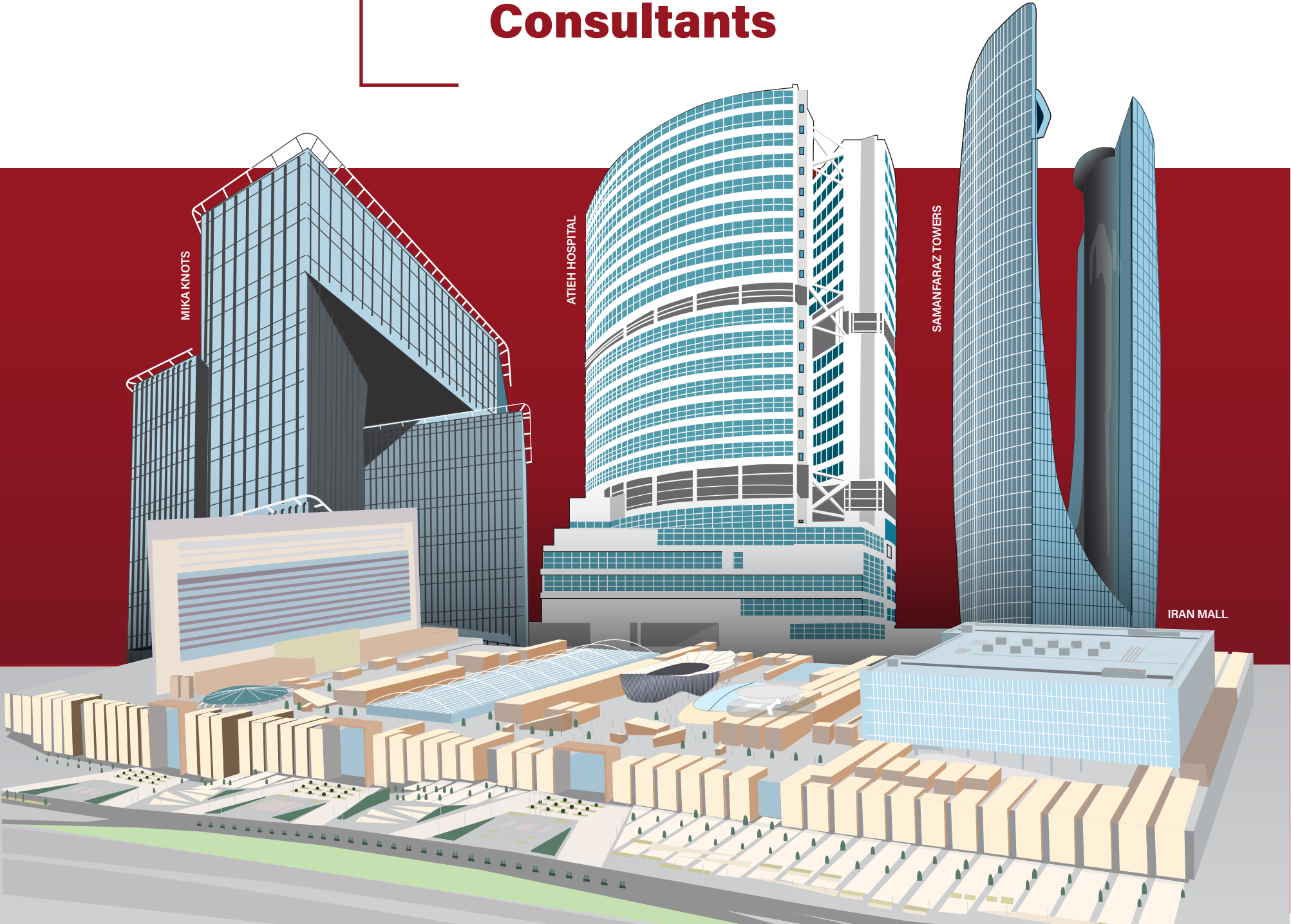
October 2023



CEO Message



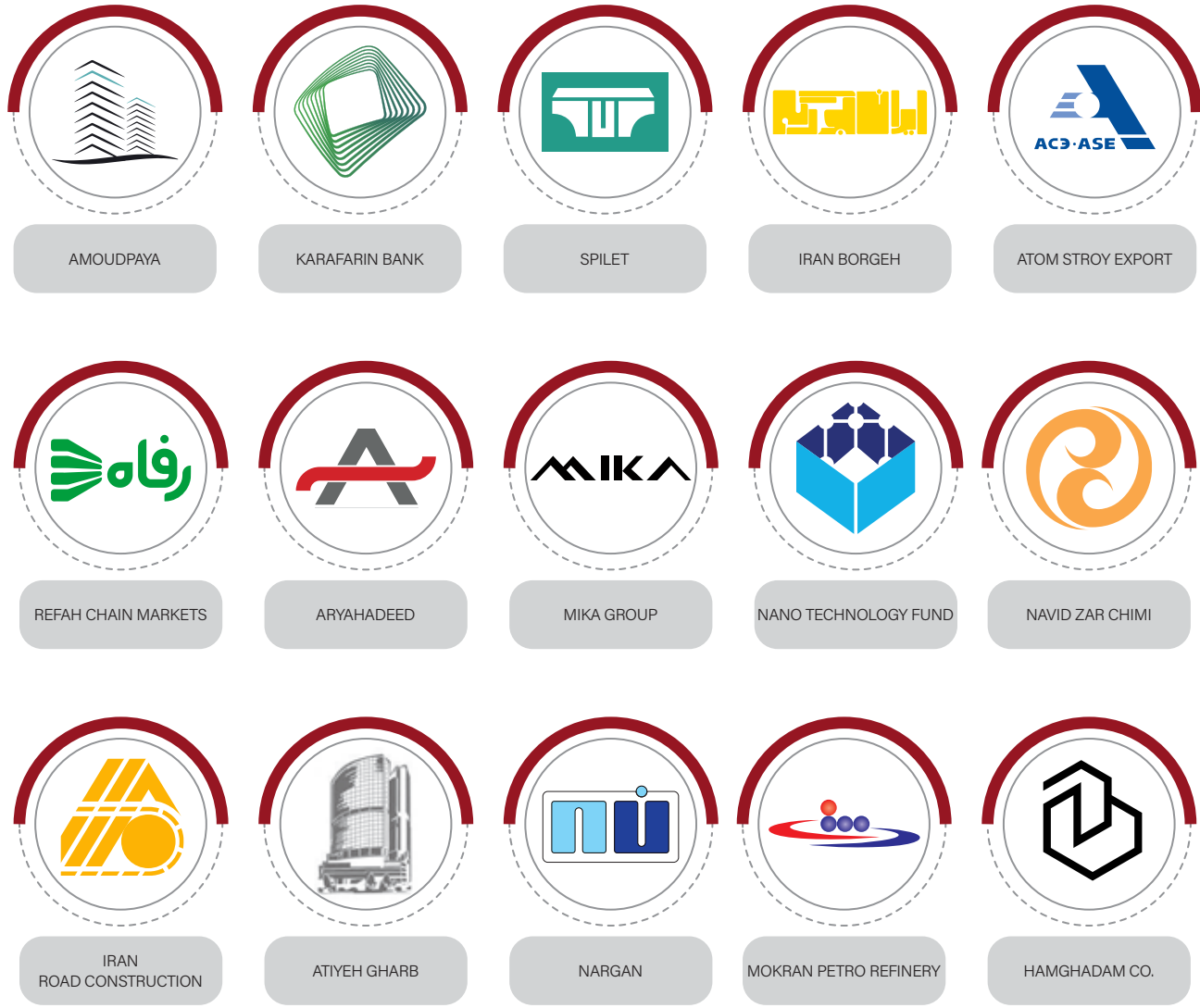
Employers & Consultants



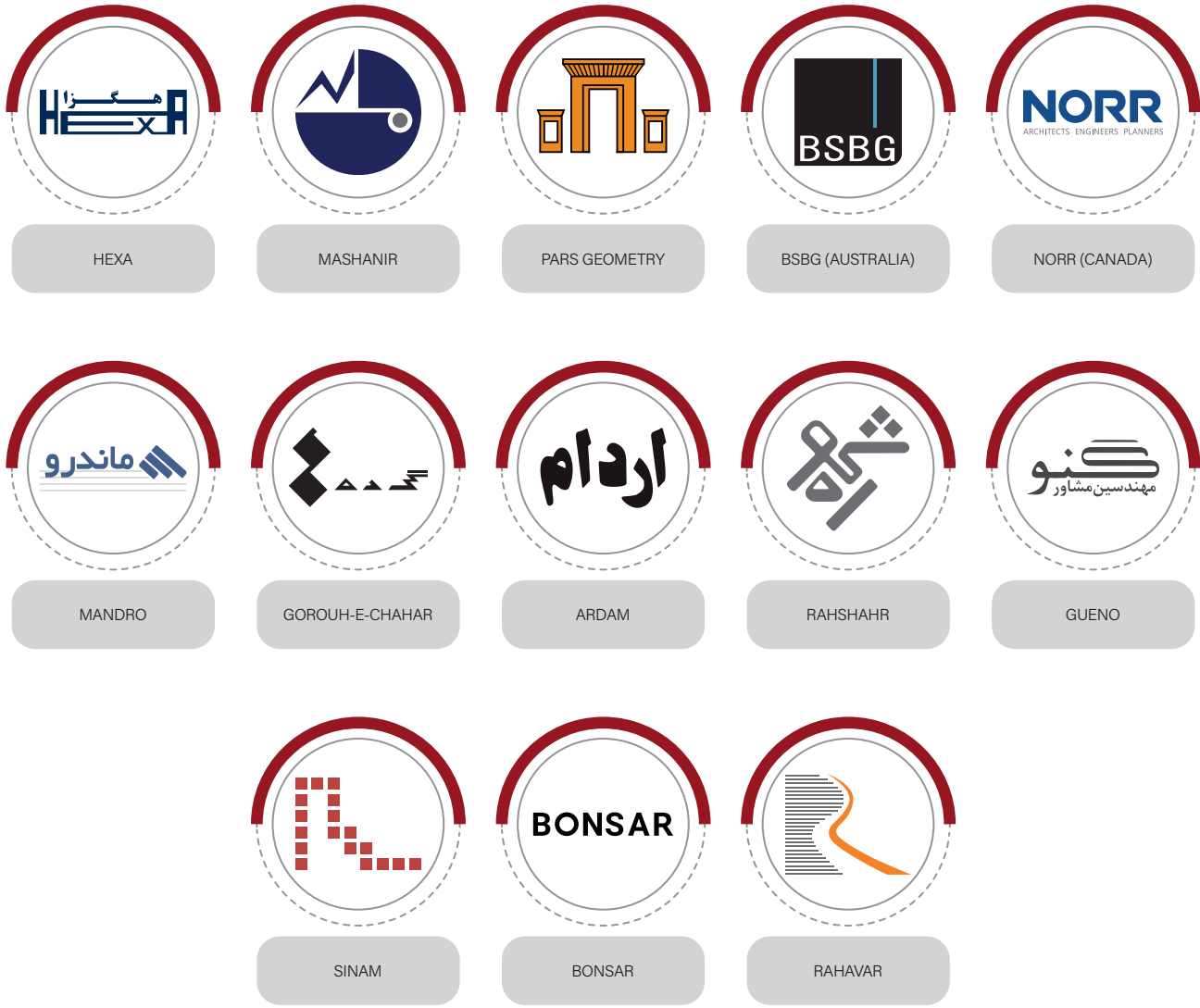
Clients



Clients



Clients



Consultants



Consultants

Area of Expertise

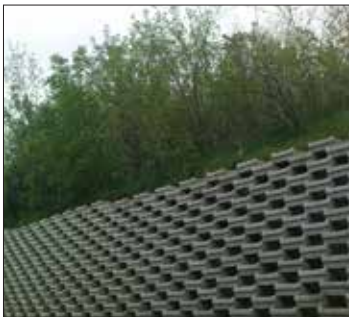
1 Soil Improvement

DSM
Jet Grouting
Turbojet
Permeation Grouting
Forepoling
Micropile
CFA Pile
Bored Pile
Displacement Pile
Helical Pile
Stone Column
Dynamic Compaction
Vibro Compaction
RIC
Reinforced Soil
Preloading



2 Shoring

Nailing
Anchorage
Tieback
Strut
Truss
Berliner Wall
Contiguous Wall
Secant Wall
Diaphragm Wall
Sheet Piling
Reinforced Soil Wall
Top-Down Construction



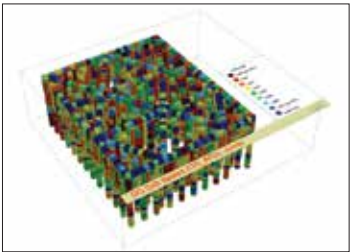
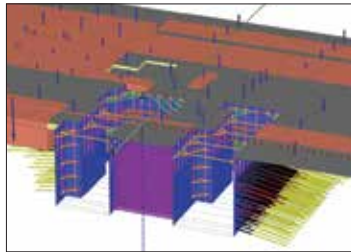
3 Dewatering & Waterproofing

- Subfoundation Drainage
- Sump Pumping
- Deep Drainage system including wells and connected galleries
- Deep Well Dewatering system
- Cut-off Wall
- Geosynthetic Waterproofing



4 Soil Investigation, Design, Supervision & Monitoring in Geotechnical Projects

- Carrying out Preliminary and Complimentary Soil Investigation
- Design for various types of Geotechnical Projects
- Geotechnical Project Supervision
- Monitoring and Precision Instrumentation in Geotechnical Projects



SERVICES



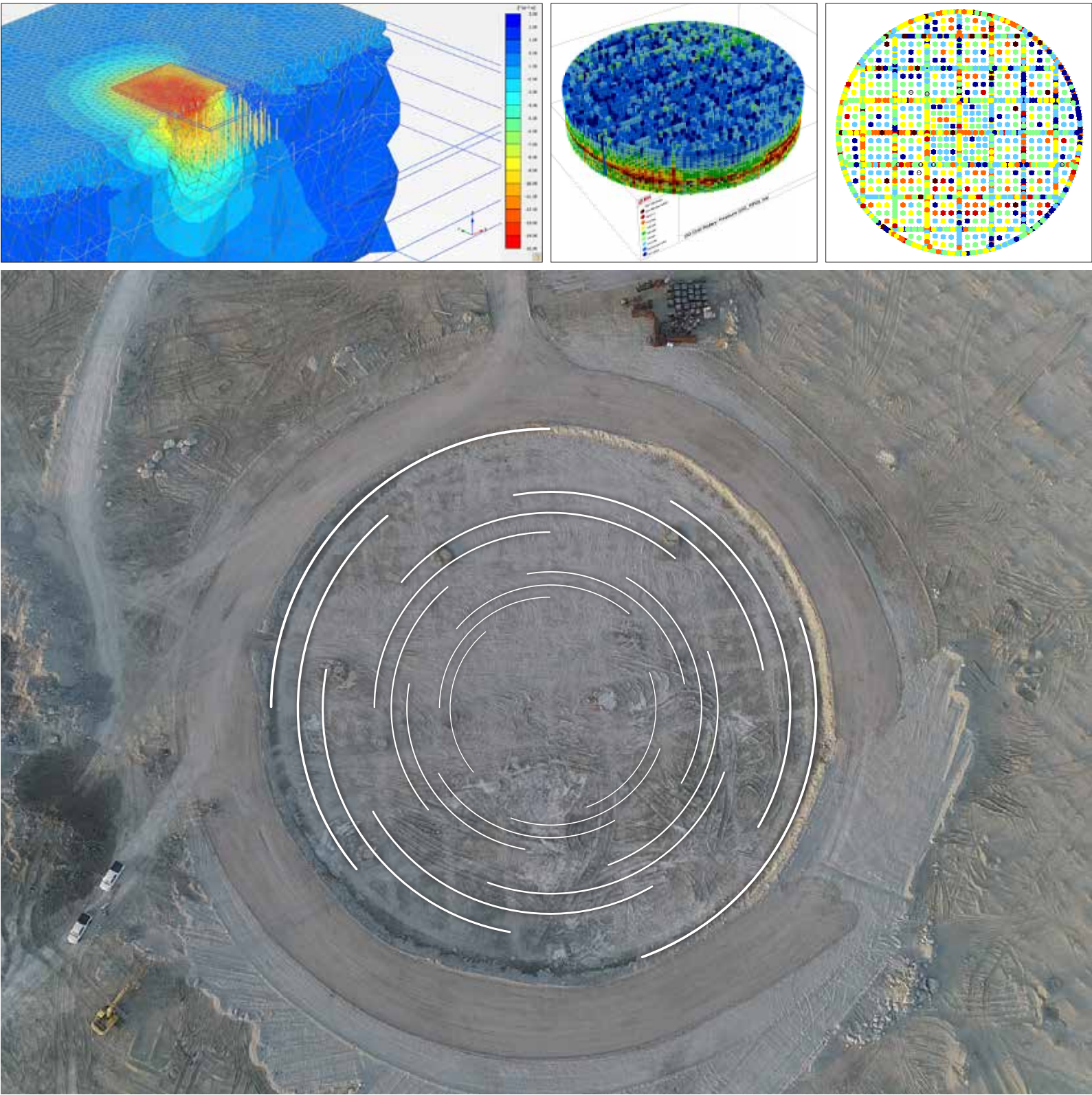


Technical Office

Geotechnical Design, Supervision & Consultation

The highly skilled human resources of Baspar Pey Iranian's technical office department, drawing upon their knowledge and experience gained from designing, supervising, and consulting on numerous large-scale geotechnical projects, while adhering to international standards and utilizing state-of-the-art specialized software, are capable of providing reliable and innovative solutions for all geotechnical engineering-related issues. The services offered by this department to clients for project progression include:

- Design and technical services for EPC projects
- Geotechnical design and consulting services for other types of projects
- Geotechnical supervision for all projects





Soil Mechanics Tests

The Geotechnical Investigations Department of Baspar Pey Iranian, utilizing the capabilities of its central laboratory and local laboratories (at project sites), is capable of providing comprehensive geotechnical investigation services, including:

- Strategic planning of geotechnical investigations including the determination of objectives and scope of work, selection of appropriate methodologies, etc.
- Drilling and sampling
- Field testing
- Laboratory testing
- Geophysical studies
- Analysis and interpretation of results, and preparing the geotechnical investigation report





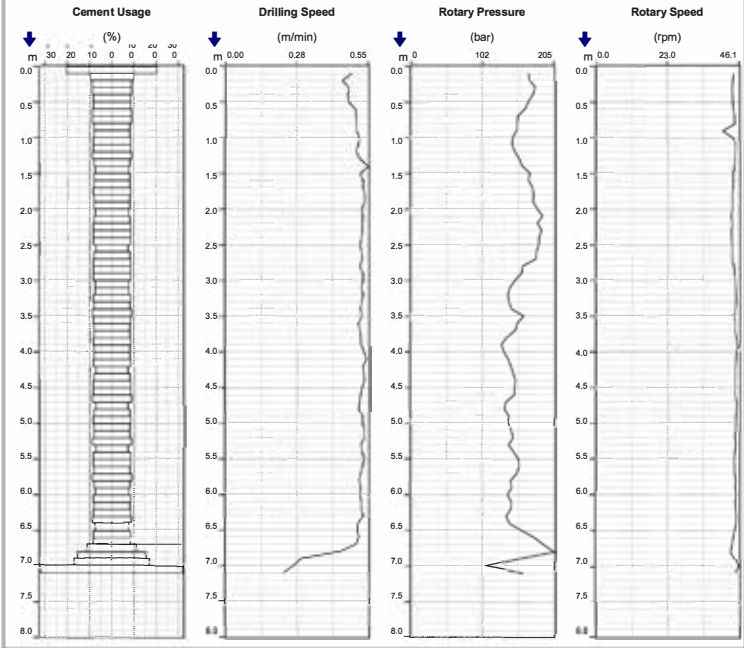
Technical Office

Quality Control and Assurance

Quality control and assurance are two critical elements in validating design criteria and also ensuring the execution in compliance with technical specifications and drawings.

QC/QA procedures parallel with execution, and real-time data monitoring at the site, play a key role in the modification and optimization of the design. In addition to providing quality control and assurance services through its central office, Baspar Pey Iranian will also have a dedicated on-site Quality Control and Assurance Unit. Relying on the advanced technology and up-to-date fleet of machinery, it is possible to record execution data, monitor the quantitative and qualitative execution in real time, and consequently optimize the design while it is being executed.

	Site: FE-160-05-G3	Site Code: BP-03
	Pile: FTB	Serial Number: SR95-VY9BN
	Drilling Phase	Withdrawal Phase
	Start: 7/16/2023 08:38:09	Start: 7/16/2023 08:52:46
	End: 7/16/2023 08:52:45	End: 7/16/2023 08:56:02
	Pause time: 0:00:00	Pause time: 0:00:00
	Duration: 0:14:35	Duration: 0:03:15
	Design Depth: 6.00 m	Start Lifting: 7.15 m
	Depth Reached: 7.15 m	Total Volume: 1.47 m³
	Total Volume: 6.69 m³	Fluids Used: Cement Grout
	Pile Diameter: 1600 mm	
	Number of Blades: 4	
	Mast Tilt (X): -0.03 °	
	Mast Tilt (Y): -0.06 °	
	Specific weight of cement: 3.15 g/cm³	Zone Depth N. Retreat. Cement Factor
	Ratio Water / Cement: 1.00	From 0.0 to 6.0m 1 400.0 kg/m³
	Cement Factor	
	400.00 kg/m³	



Project Management

The Project Management department of Baspar Pey Iranian is responsible for guiding and leading all operational units of a project, as well as maintaining effective communication with the central office departments. This is accomplished through the presence of skilled and experienced project managers. The successful execution of more than one hundred large-scale geotechnical engineering projects within the designated timeframe and with high-quality performance has been the result of implementing effective project management principles at Baspar Pey Iranian. In this regard, the following management services are provided based on the PMBOK standard for all projects:

- Defining the project scope and objectives based on technical specifications and the client's requirements
- Planning and organizing all operational procedures based on the project Time schedule
- Enhancing team productivity through effective communication and management across all project disciplines
- Budgeting, and cost management of the projects
- Monitoring the quality management system and HSE management system

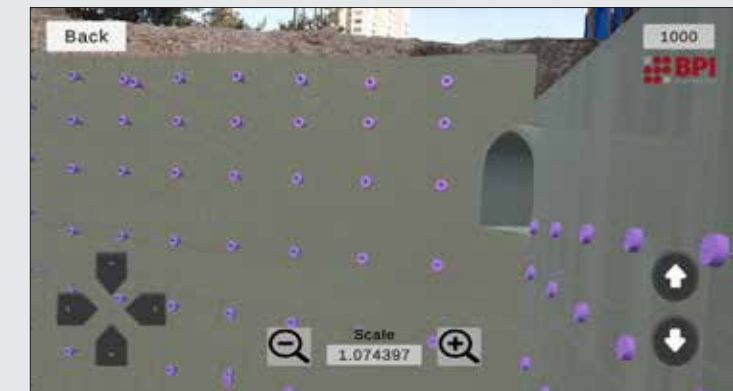
Planning and Project Control

Consistent planning and control of ongoing projects ensure the achievement of project goals in all aspects. Baspar Pey Iranian uses Building Information Modeling (BIM) technology to collect, maintain, and facilitate information flow throughout the project lifecycle, along with Augmented Reality (AR) technology to visualize digital information. This system utilizes the Site AR (for mobile phones and tablets) and Office AR (for Windows operating systems) interfaces to connect to the project's real-time database. This approach enables field experts to work efficiently on-site and provides real-time supervision of the project progress for the clients.

The project management interface significantly enhances productivity in projects by providing the ability to view and edit the information in real-time, submit the work orders, and supervise the execution.

Other services offered by our Planning and Control Project department include:

- Development of Business Intelligence, as analysis and provision of real-time management reports using the PowerBI platform
- Development of management features in the SharePoint platform





Geomatics & Precision Instrumentation

The Surveying Department of Baspar Pey Iranian relying on the comprehensive technical expertise of the geomatics specialists, provides a variety of services to the clients including surveying, earthwork calculation, regular shoring monitoring, etc. Baspar Pey Iranian utilizes the proper monitoring and controlling techniques through precise and high-tech surveying instruments based on the nature and requirements of each project.

Moreover, Baspar Pey Iranian offers the following technical-supervision-operational services in the field of precision instrumentation to monitor the potential risks in geotechnical projects:

- Anchor load monitoring using various types of loadcells
- Shoring wall deviation tracking with various types of Inclinometers
- Monitoring the displacement of shoring walls using various types of Extensometers
- Water flow rate monitoring via flowmeter
- Consistent monitoring of cracks on the shoring walls
- Continuous monitoring of the groundwater level





Advanced Machinery Fleet

Drilling Rigs

Brand

Soilmec

Models

- SR95-13
- SR95-03

Details

- Max Pile Diameter: 2.1 m
- Max Pile Depth: 106 m
- Max Column Diameter (Turbojet): 1.6 m
- Max Column Depth (Turbojet): 33 m





Advanced Machinery Fleet

High-Pressure Pump & HighCapacity Automatic Mixer

Brands	- Soilmec - Metax	
Models	- MP7-615 - MP7-610 - MP5-510 - 7T610J	- JM40 - MIXP40 - JM30 - SGM45
Details	Pump:	
	- Max Pressure: 790 Bar - Max Flow Rate: 750 lit/min	
	Mixer:	
	- Max Slurry Flow Rate: 45000 lit/hr	





Advanced Machinery Fleet

Hydraulic Drilling Rigs

Brands	Soilmec	Casagrande
Models	- PSM20	- C6
Details	Soilmec: - Max Column Depth (JetGrouting): 18.5 m Casagrande: - Max Column Depth (JetGrouting): 14 m	



**Advanced Machinery Fleet**

Hydraulic Drilling Rigs

Brand	Comacchio
Models	MC15
Details	Max Column Depth (JetGrouting): 19 m



Brand	Comacchio
Models	- MC405 - GEO305
Details	- Max Wireline & Metric Coring Depth: 350 m - Max Casing Coring Depth: 80 m

Advanced Machinery Fleet

Geotechnical Drilling Rigs





Advanced Machinery Fleet

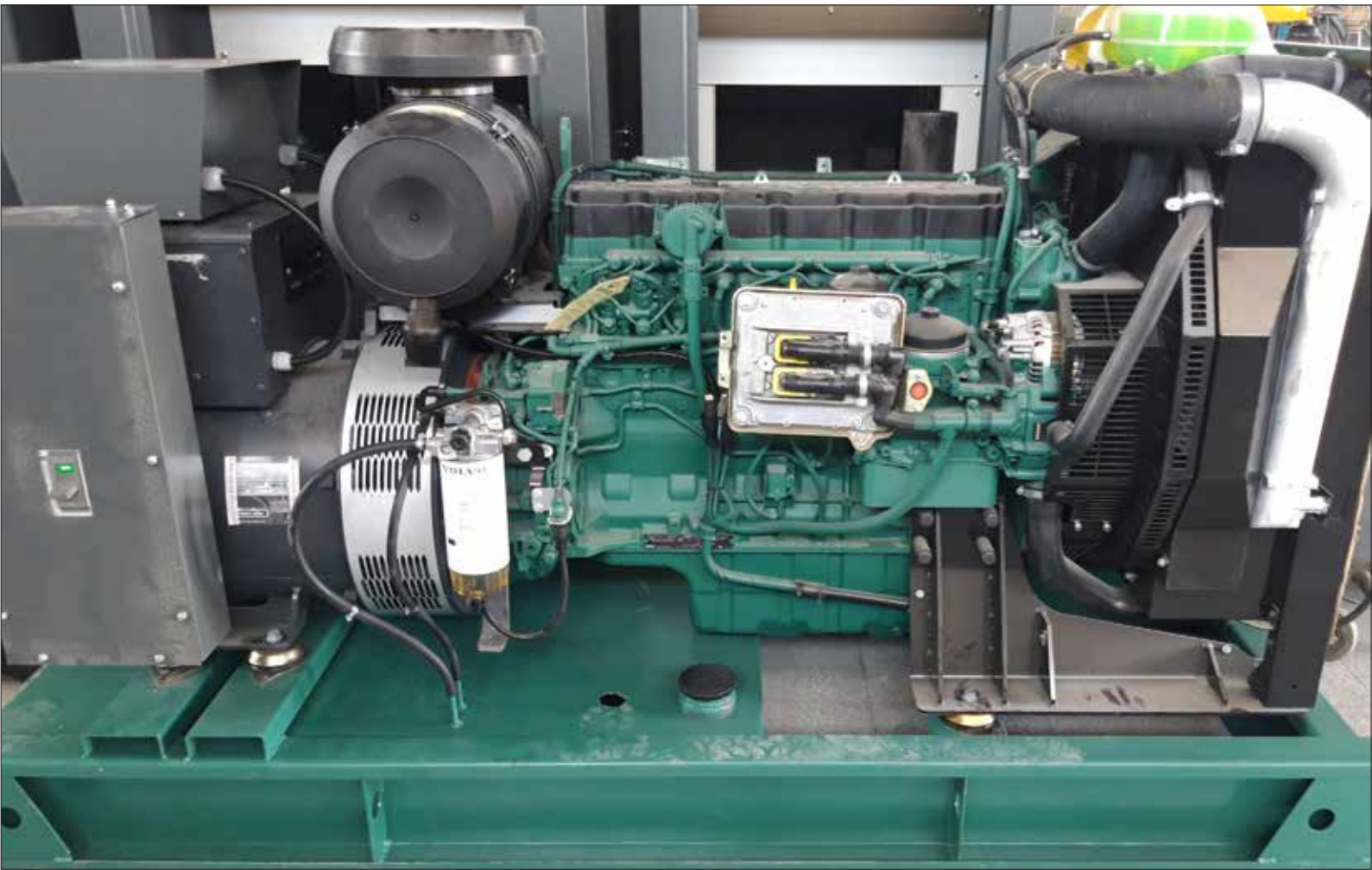
Power Generator

Brands

- Volvo Penta
- Badwin

Details

Standby Electrical Power of 275 ,175 and 85 KVA



- Different Types of Pneumatic Wagon Drills
- ITP Injection Set equipment
- Different Types of Micropile Pipe Cutters
- Jack Traction and Loading equipment in various tonnages
- Different Types of Cranes in different tonnages
- Different Types of tractors
- Rebar Thread Machine (Rolling)
- Shotcrete Pump Machine
- Different Types of Carbon Dioxide Welding Devices and Rectifiers
- Different Types of Electrical Distribution Boards
- Different Types of Silos in Different Capacities
- Different Types of Workshop Elevators





Maintenance & Repair of Machinery

Baspar Pey Iranian, equipped with the most modern machinery fleet, provides the following repair and maintenance services to improve productivity and efficiency in the execution of geotechnical projects:

- Planning, preparing the instructions and supervision on heavy or light repair and maintenance activities according to regulations
- Enhancing technical and economic efficiency through defining service, repair and maintenance protocols and conducting preventing maintenance on equipment
- Providing machinery hardware and software facilities during mobilization and implementation phases
- Supervision on proper performance of machinery, ensuring compliance with standards and regulations along with precise documentation and recording of performance data
- Resource management in allocating machinery to projects
- Predication and planning for procurement and supply of spare parts
- Developing instructions, monitoring, and ensuring compliance with safety and environmental regulations in machinery development processes



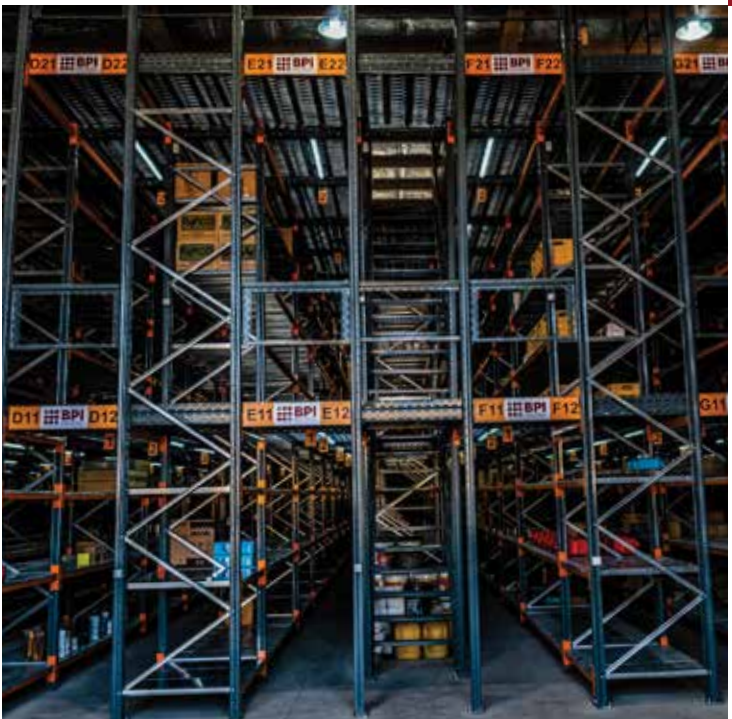


Procurement & Project Support

Procurement and support services at Baspar Pey Iranian for effective material provision include:

- Planning to supply and purchase the required equipment and materials based on the priority and time schedule of projects
- Planning to categorize domestic, foreign, and stock market purchases
- Inventory management through statistical analysis of supply requests
- Organizing purchase orders according to the purchase plan
- Request for quote, also technical and cost comparison of quotations and identify suppliers who can meet required specifications at competitive price
- Receive purchased materials and submit the receipt documents to relevant departments

In addition, the aim of mitigating market fluctuations' impact on project supply quality and quantity is achieved by preserving and maintaining all goods in a central warehouse following innovative warehousing strategies. The processes of request, procurement, and delivery to operational workshops are managed through a unified ERP system.





The Manufacturing and Production Department of Baspar Pey Iranian delivers services to our project under two main subcategories:

Steel Structure Manufacturing for BPI Projects

- Steel manufacturing for various shoring projects
- Fabrication of welded, flanged, and bolted connections
- Quality Steel Structure Control including carrying out the entire weld quality control tests
- Rebar (plain & deformed) thread rolling with joint couplers
- Sandblasting and Airless Painting

Spare Parts Fabrication of BPI Projects

- Assessment of required spares in various projects
- Design and engineering of spare parts to ensure the specification of the original equipment is met, also providing technical drawings for them
- Market research and analysis of the potential provider cost vs in-house fabrication cost
- Material supply, fabrication, and quality control
- Installation of spare parts, performance tracking, and lifetime evaluation





SOIL IMPROVEMENT PROJECTS

TOTAL
EXECUTION EXPERIENCE IN
SOIL IMPROVEMENT
PROJECTS

3,122,000 m³
DSM & JET GROUTING





Boushehr Project

Soil Improvement to increase loading capacity & to control soil settlement & liquefaction of the power plant & the adjacent buildings

Client: Atom Stroy Export company

Geotechnical Contractor :

1st & 2nd Phase: Consortium of Baspar Pey Iranian and Omran Azarestan company
3rd Phase: Baspar Pey Iranian company

Location: Boushehr, Iran

Start Date : February 2017

Soil Improvement Method: DSM

Total Volume of Soil Improvement: 2,080,329 m³

Execution Period: The 3rd phase of the project is under construction



Soil Improvement / Boushehr Project



Mokran Petro Refinery

Soil Improvement to increase loading capacity and to control soil settlement and liquefaction

Client: Mokran Petro Refinery
E.P.C Contractor: Baspar Pey Iranian company
Location: Jask Port, Iran
Start Date : June 2022

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 237,285 m³
Execution Period: The 2nd phase of the project is under construction



Qeshm Gas Condensate Refinery

Soil Improvement to increase loading capacity and to control soil settlement and liquefaction

Client: Nargan company
Consultant: DaryaKhakPey Marine Geotechnical & Structural Consulting Engineers
Geotechnical Contractor: Baspar Pey Iranian company
Location: Qeshm Island, Iran
Start Date: April 2023

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 70,500 m³
Execution Period: The 2nd phase of the project is under construction



Siv Market

Shoring and Soil Improvement to increase loading capacity and to control soil settlement and liquefaction

Client: Khorasan-e-Bozorg Development and Construction company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: July 2020

Soil Improvement Method: Jet Grouting
Total Volume of Soil Improvement: 20,690 m³
Shoring Method: Nailing
Excavation Depth: 9 m
Stabilized Area: 3,675 m²
Total Nailing Length: 14,510 m
Execution Period: 618 days



Bandar Abbas Desalination Plant

Soil Improvement to increase loading capacity and to control soil settlement and liquefaction

Client: Pars Land Mines & Industries Development company
E.P.C Contractor: Baspar Pey Iranian company
Location: Bandar Abbas, Iran
Start Date: December 2021

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 59,000 m³
Execution Period: 365 days



Kelarabad Residential Complex

Shoring & Soil Improvement to increase loading capacity and to control soil settlement and liquefaction | Drainage and Insulation

Client: Hamghadam Trading company
E.P.C Contractor: Baspar Pey Iranian company
Location: Kelarabad, Iran
Start Date: March 2022

Soil Improvement Method: Jet Grouting & DSM
Total Volume of Soil Improvement: 14,641 m³
Method of Shoring: Secant Wall and Truss
Excavation Depth: 5.5 m
Excavation Soil Volume: 2,100 m²
Execution Period: 351 days

Hachiroud Berlian Complex

Shoring & Soil Improvement to increase loading capacity and to control soil settlement | Drainage and Insulation

Client: Eng. MohammadMehdi Alinaghian
E.P.C Contractor: Baspar Pey Iranian company
Location: Hachiroud, Iran
Start Date: February 2021
Soil Improvement Method: DSM & Piling
Total Volume of Soil Improvement: 5,028 m³

Total Piling Length: 1,120 m
Shoring Method: Secant Wall and Truss
Excavation Depth: 7 m
Excavated Soil Volume: 2,150 m²
Execution Period: 740 days



Negin-e-Alborz Cultural & Commercial Building

Soil Improvement to increase loading capacity and to control soil settlement

Client: Sarmad Sazan Satrap company
Consultant: Khak Sang Sazeh company
E.P.C Contractor: Baspar Pey Iranian company
Location: NazarAbad, Iran
Start Date: April 2020

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 8,300 m³
Execution Period: 216 days





Torbat Heydarieh Steel Complex

Soil Improvement to increase loading capacity and to control soil settlement

Client: Aryahadeed Mines and Metals Engineering and Construction company
E.P.C Contractor: Baspar Pey Iranian company
Location: Torbat Heydarieh, Iran
Start Date: February 2020

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 2,308 m³
Execution Period: 173 days



Bandar Imam Khomeini Hospital

Soil Improvement to increase loading capacity and to control soil settlement

Client: Navid Zar Chimi company
E.P.C Contractor: Baspar Pey Iranian company
Location: Mahshahr Port, Iran
Start Date: May 2018

Soil Improvement Method: DSM
Total Volume of Soil Improvement: 13,612 m³
Execution Period: 422 days



Mahtab Khazar Hotel

Soil improvement by Micropile method

Client: Eng. Gholamreza Mohtsham
Consultant: IDEH-NO company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tenkaben, Iran
Start Date: May 2009

Soil Improvement Method: Micropile
Total Micropile Length: 5,950 m³
Execution Period: 90 days



Saman Faraz Towers

Execution of structural concrete piles

Client: Behnad Bana Construction company

Consultant: Tadbir Sahel Pars company

E.P.C Contractor: Baspar Pey Iranian company

Location: Tehran, Iran

Start Date: June 2018

Soil Improvement Method: concrete piles

Total Volume of Soil Improvement: 1,750 m³

Execution Period: 120 days



Emer Intersection Bridge

Soil Improvement by Micropile method

Client: Kandovan Pars Construction company

Consultant: University of Tehran

E.P.C Contractor: Baspar Pey Iranian company

Location: Aliabad, Golestan, Iran

Start Date: April 2011

Soil Improvement Method: Micropile

Total Micropile Length: 3,584 m³

Execution Period: 90 days



**SHORING
PROJECTS**

TOTAL
EXECUTION EXPERIENCE IN
SHORING PROJECTS

466,500 m²

STABILIZED AREA

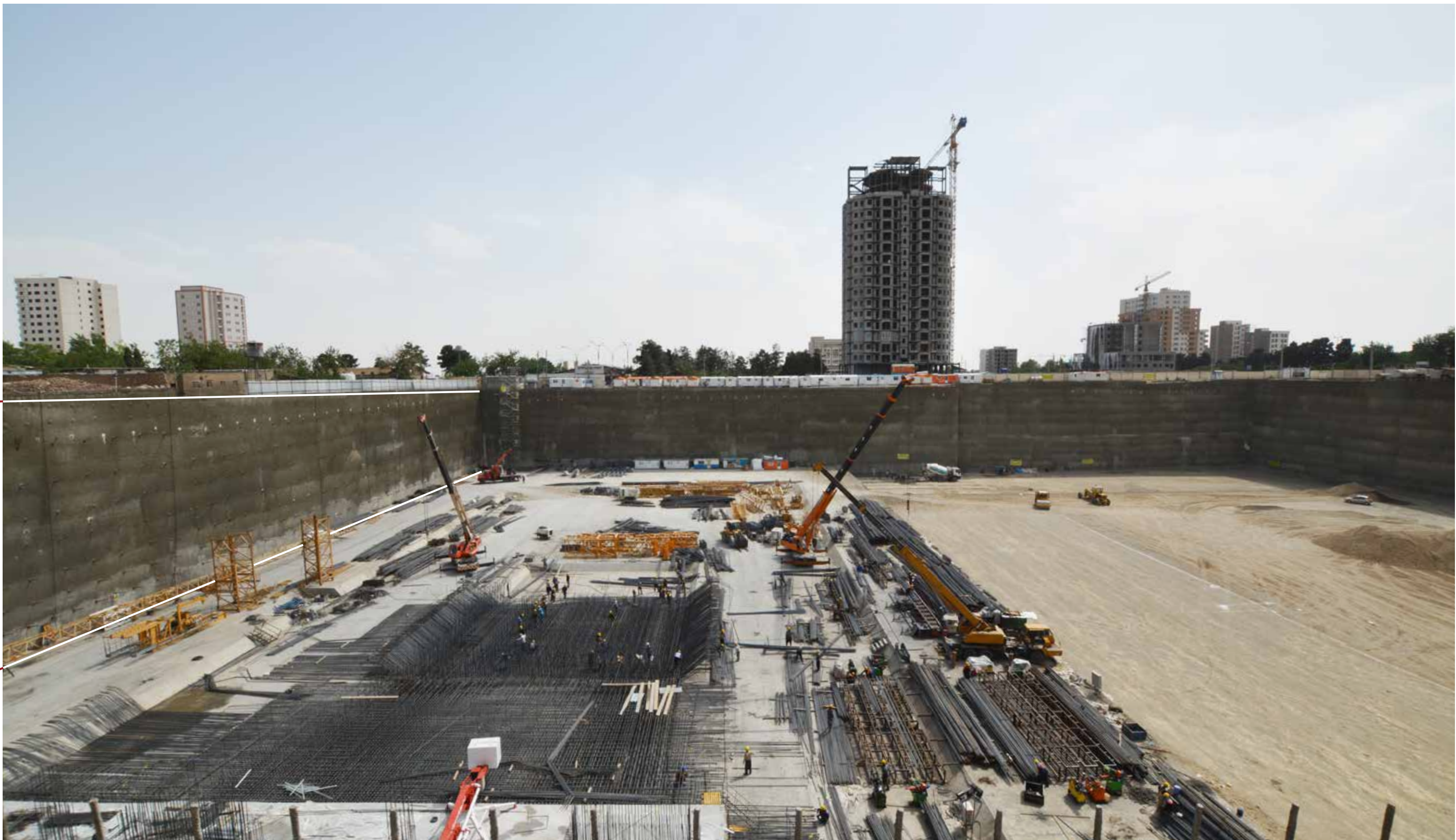




Tat Mall (Iran Mall)

Shoring

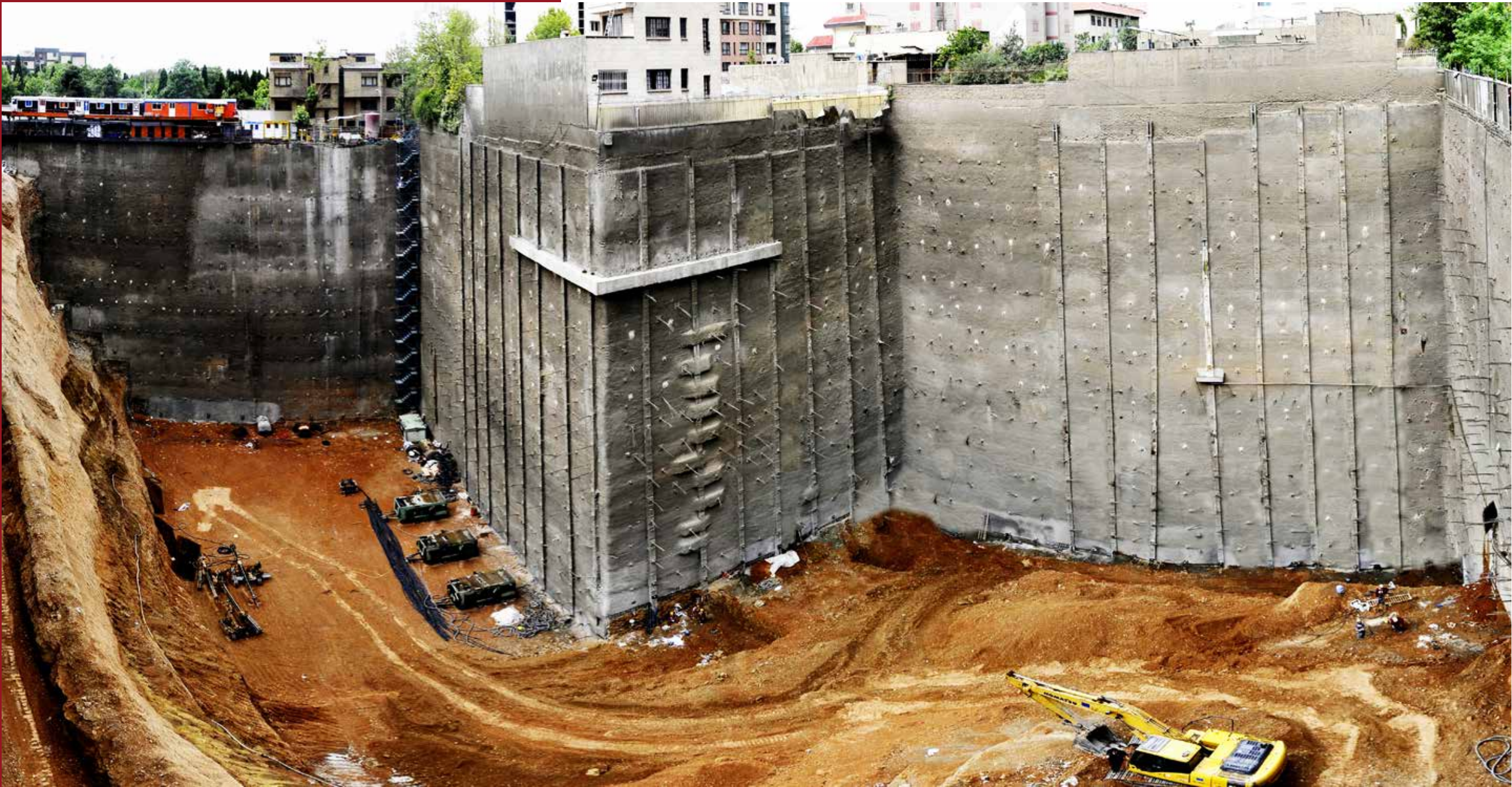
- Client: Alborz Tat company
- Consultant: Norr company
- Supervisor: BSBG company
- General Contractor: Perlite company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: May 2012
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 25 m
- Stabilized Area: 15,600 m²
- Total Nailing & Anchorage Length: 45,868 m
- Execution Period: 240 days



Salamat Barekat Hospital

Shoring

- **Client:** Salamat Barekat company
- **Consultant:** Pars Future Trade Development company
- **General Contractor:** Goupleh company
- **E.P.C Contractor:** Baspar Pey Iranian company
- **Location:** Tehran, Iran
- **Start Date:** August 2014
- **Shoring Method:** Nailing & Anchorage
- **Excavation Depth:** 23 m
- **Stabilized Area:** 15,550 m²
- **Total Nailing & Anchorage Length:** 30,120 m
- **Execution Period:** 150 days



Imam Reza Complex

Shoring | Drainage and Insulation

- Client: Rahad company
- Consultant: Amirkabir University of Technology
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: March 2013
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 43 m
- Atabilized Area: 14,425 m²
- Total Nailing & Anchorage Length: 20,200 m
- Total Berliner Columns Length: 932 m
- Execution Period: 630 days



Soheil Complex (Chaharbagh)

Shoring | Drainage and Insulation

Client: Omran and Tosee Paidar Iranian Investment company

Consultant: Sano Consulting Engineers

E.P.C Contractor: Baspar Pey Iranian company

Location: Tehran, Iran

Start Date: June 2013

Shoring Method: Nailing & Anchorage

Excavation Depth: 40 m

Stabilized Area: 12,740 m²

Total Nailing & Anchorage Length: 33,660 m

Total Berliner Columns Length: 3,244 m

Steel Structure Weight: 81 Ton

Total Soil Excavation Volume: 295,819 m³

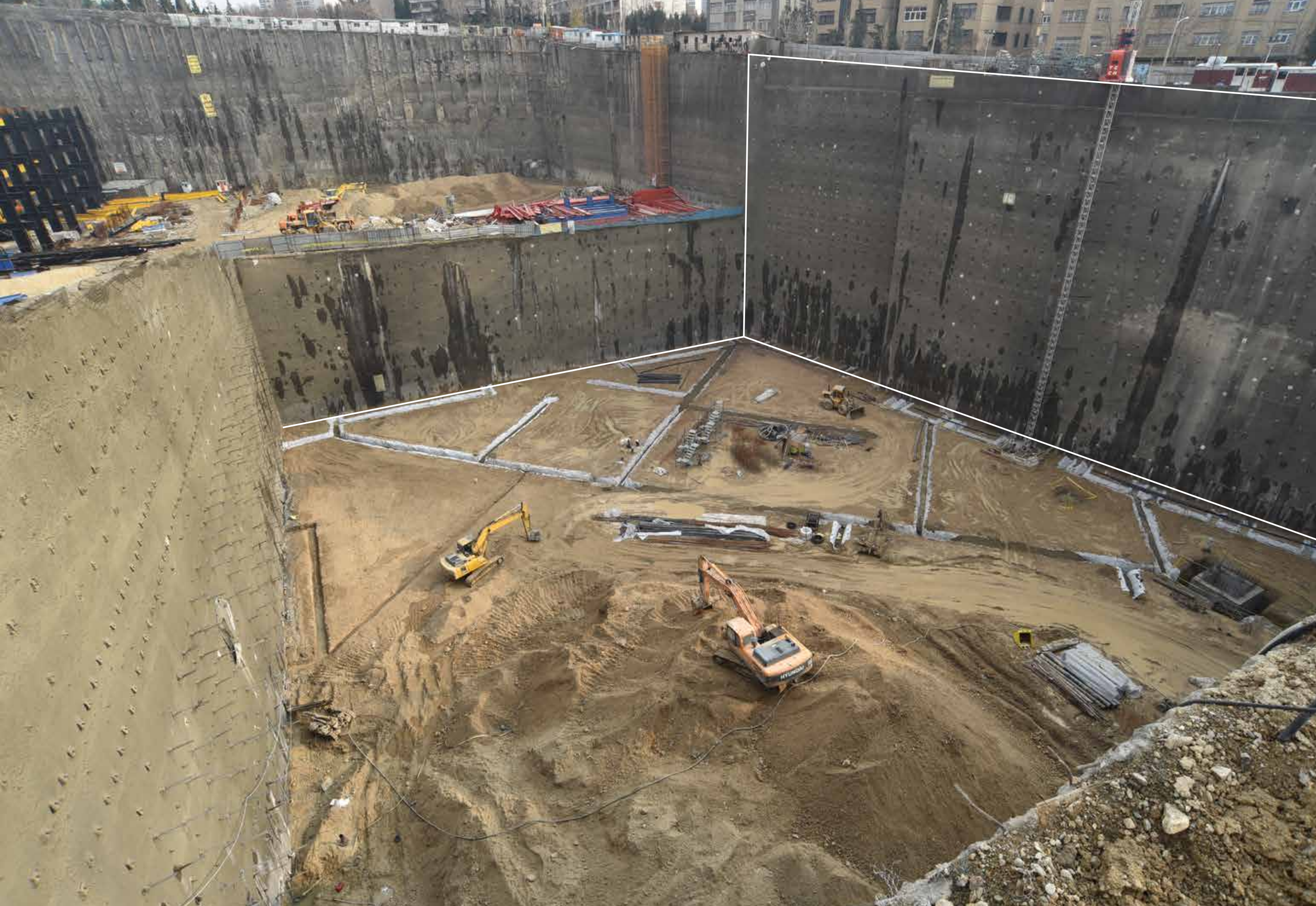
Execution Period: 1444 days



Saman Faraz Towers

Shoring

- Client: Behnad Bana Construction company and Saman Bank
- Consultant: Gerantin Consulting Engineers
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: November 2016
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 35 m
- Stabilized Area: 11,935 m²
- Total Nailing & Anchorage Length: 34,996 m
- Total Length of Concrete Piles & Soldiers: 1,525 m
- Total Soil Excavation Volume: 215,000 m³
- Execution Period: 365 days



Atiyeh Gharb Hospital

Shoring | Drainage and Insulation

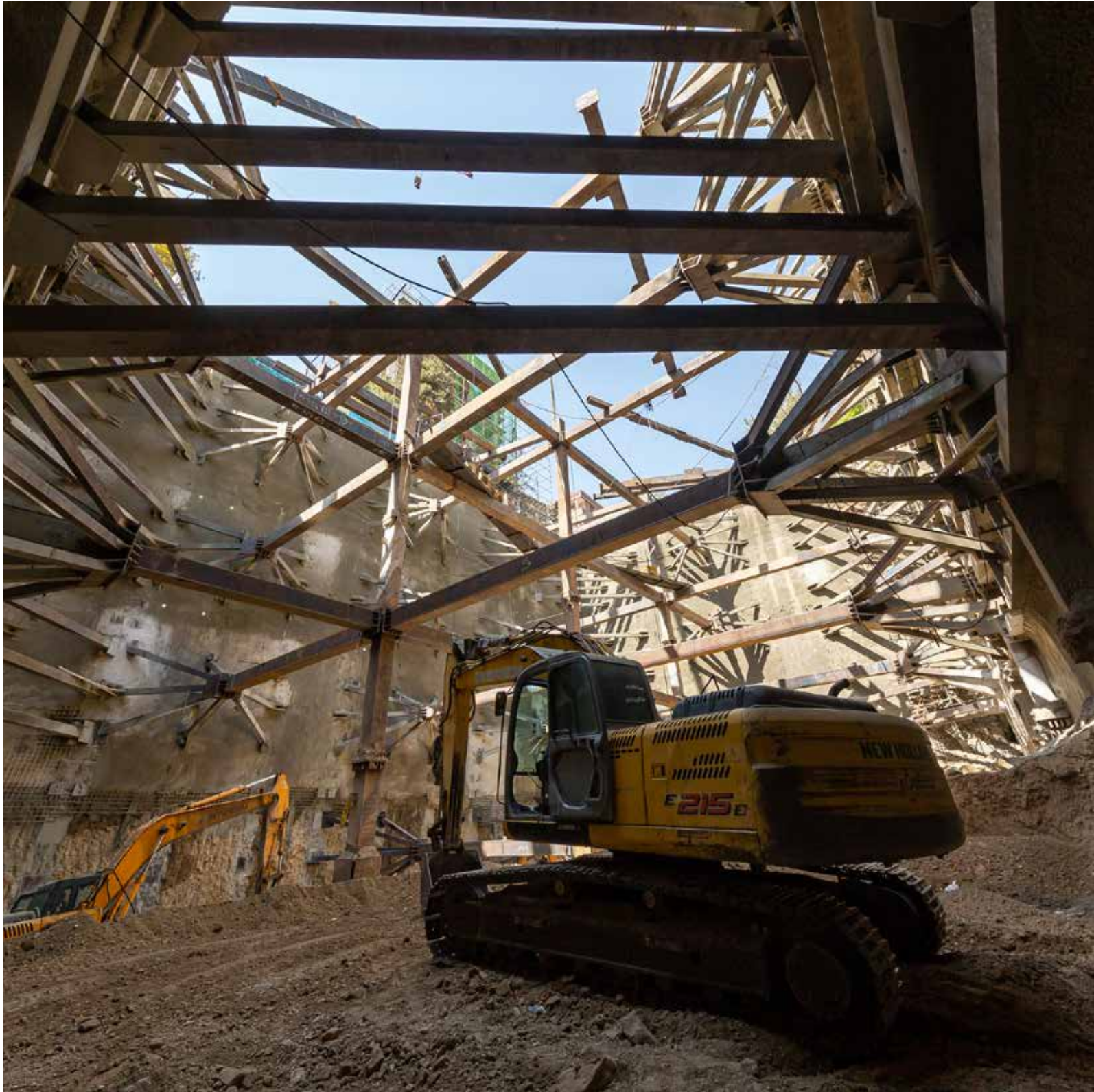
- **Client:** Tolou Atiyeh Gharb company
- **Consultant:** Gorouh-e-Chahar Consulting Engineers
- **Client's Supreme Consultant:** Pars GeoEnviro Consulting Engineers
- **E.P.C Contractor:** Baspar Pey Iranian company
- **Location:** Tehran, Iran
- **Start Date:** July 2014
- **Shoring Method:** Nailing & Anchorage
- **Excavation Depth:** 40 m
- **Stabilized Area:** 12,300 m²
- **Total Nailing & Anchorage Length:** 71,500 m
- **Total Berliner Columns Length:** 1,058 m
- **Execution Period:** 540 days



Sina Complex

Shoring

- Client: Sina Training and Research Development Institute
- Consultant: Mandro Consulting Engineers
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: April 2013
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 25 m
- Stabilized Area: 5,760 m²
- Total Nailing & Anchorage Length: 15,847 m
- Execution Period: 480 days



Diba Tower

Shoring | Drainage and Insulation

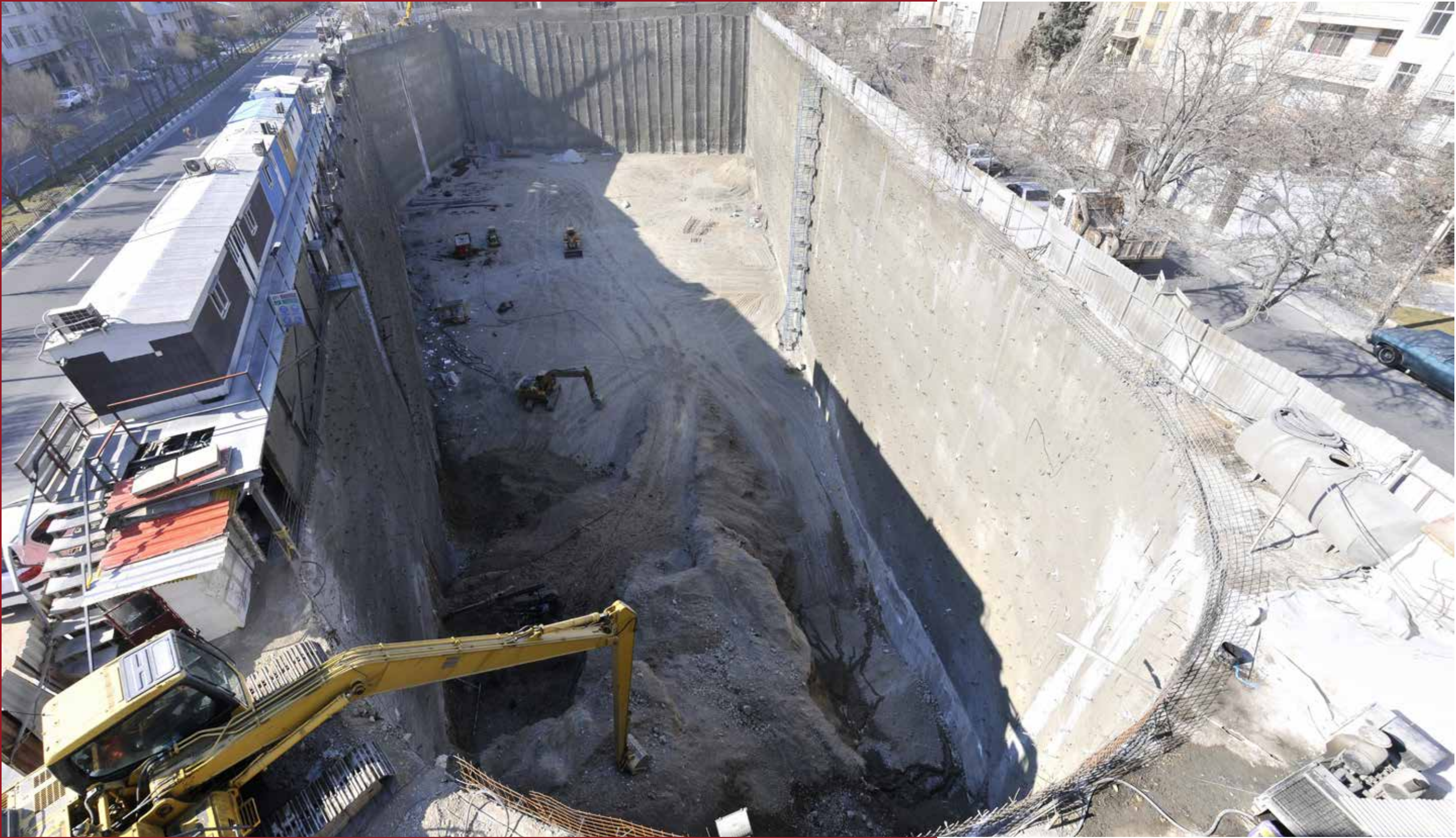
- Client: Mr. Hasan Moghadam
- Consultant: Eng. Mohammadreza Hosseini
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: December 2020
- Shoring Method: Strut
- Excavation Depth: 40 m
- Stabilized Area: 5,187 m²
- Steel Structure Weight: 1,023 Ton
- Execution Period: 128 days



Latmall Complex

Shoring

- **Client:** Mellat Bank Construction company
- **Consultant:** Tavan Sakht Construction company & Bam Citadel of Kerman Consulting Engineers
- **General Contractor:** Goupleh Construction & Engineering company
- **E.P.C Contractor:** Baspar Pey Iranian company
- **Location:** Tehran, Iran
- **Start Date:** September 2011
- **Shoring Method:** Nailing & Anchorage
- **Excavation Depth:** 34 m
- **Stabilized Area:** 15,242 m²
- **Total Nailing & Anchorage Length:** 51,828 m
- **Execution Period:** 240 days



Pardis-e-Shargh Complex

Shoring

- Client: Omid Investment Management Group company
- Consultant: IranArch Consulting Engineers
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: December 2012
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 31 m
- Stabilized Area: 11,700 m²
- Total Nailing & Anchorage Length: 21,500 m
- Execution Period: 270 days



Deniz Oshan Tower

Shoring

Client: Pejman Jouzi Construction Group
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: July 2020
Shoring Method: Nailing & Anchorage

Excavation Depth: 31 m
Stabilized Area: 10,028 m²
Total Nailing & Anchorage Length: 23,844 m
Steel Structure Weight: 42 Ton
Execution Period: 365 days





Paniz Complex

Shoring | Drainage and Insulation

Client: Eng. Tania Golkar
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: August 2017
Shoring Method: Nailing & Anchorage

Excavation Depth: 33 m
Stabilized Area: 5,500 m²
Total Nailing & Anchorage Length: 15,795 m
Execution Period: 570 days

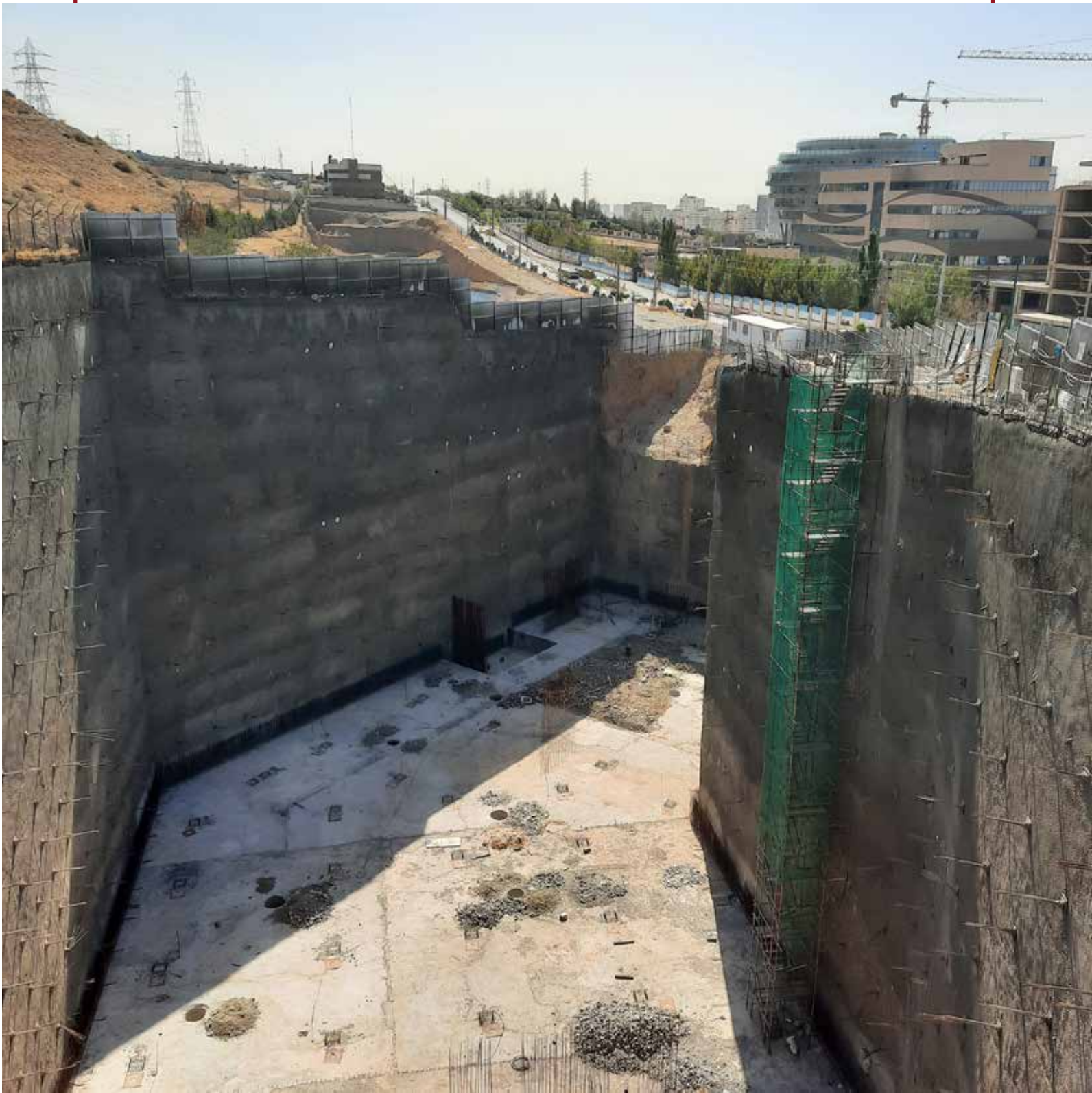


Tehran Burn Hospital

Shoring

Client: Tehran University of Medical Science
Consultant: Razigaran Consulting Engineers
General Contractor: Goupleh Construction & Engineering company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran

Start Date: April 2013
Shoring Method: Nailing & Anchorage
Excavation Depth: 33 m
Stabilized Area: 7,437 m²
Total Nailing & Anchorage Length: 37,029 m
Execution Period: 180 days



Pardis Nano Technology

Shoring

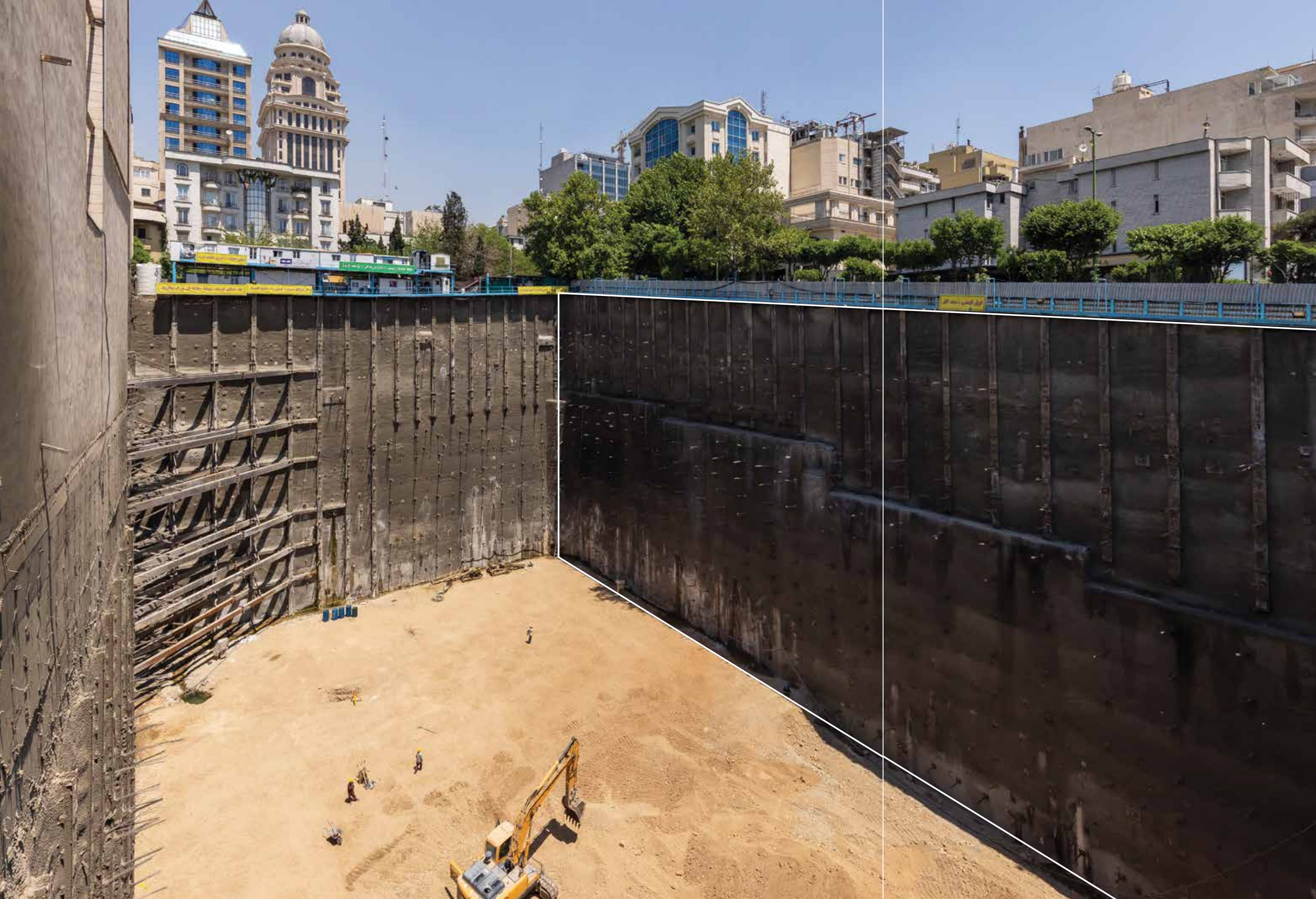
- Client: Nano Research and Technology Development Fund
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: June 2020
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 30 m
- Stabilized Area: 8,000 m²
- Total Nailing & Anchorage Length: 18,735 m
- Execution Period: 316 days



Farhang Shahr Complex

Shoring| Design & Execution of Foundation

- Client: Shiraz Municipality
- Consultant: Ista Sazeh Chakaad Consulting Engineers
- General Contractor: Shams Omran Engineering and Construction company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Shiraz, Iran
- Start Date: June 2016
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 19 m
- Stabilized Area: 7,828 m²
- Total Nailing & Anchorage Length: 55,956 m
- Total Berliner Columns Length: 1,256 m
- Execution Period: 270 days



Jahan Aray Complex

Shoring | Drainage and Insulation

- Client: Absa Construction company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: October 2021
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 40 m
- Stabilized Area: 7,775 m²
- Total Nailing & Anchorage Length: 23,632 m
- Steel Structure Weight: 500 Ton
- Execution Period: 382 days



Park Center

Shoring

- Client: Karafrin Investment company
- Consultant: Bonsar company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: November 2010
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 35 m
- Stabilized Area: 5,405 m²
- Total Nailing & Anchorage Length: 23,698 m
- Execution Period: 180 days



Royal Complex

Shoring

- Client: Royal Aria Construction company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: January 2012
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 22 m
- Stabilized Area: 4,600 m²
- Total Nailing & Anchorage Length: 17,468 m
- Execution Period: 120 days



Tavanir Commercial and Administrative Complex

Shoring | Drainage and Insulation

Client: Amoud Paya company
Consultant: Pars Geometry Consulting Engineers
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: February 2011
Shoring Method: Nailing & Anchorage

Excavation Depth: 22 m
Stabilized Area: 2,556 m²
Total Nailing & Anchorage Length: 8,200 m
Total Soil Excavation Volume: 15,650 m³
Execution Period: 365 days



Sam Commercial and Administrative Complex

Shoring | Drainage and Insulation

Client: Hamghadam Trading company
Consultant: Arash Consulting Engineers
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: January 2014
Shoring Method: Nailing & Anchorage

Excavation Depth: 29 m
Stabilized Area: 4,900 m²
Total Nailing & Anchorage Length: 14,012 m
Total Soil Excavation Volume: 53,901 m³
Execution Period: 630 days



Fereshteh 24 Complex

Shoring | Drainage and Insulation

- Client: Pejman Jouzi Construction Group
- Consultant: Pars GeoEnviro Consulting Engineers
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: October 2016
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 30 m
- Stabilized Area: 4,500 m²
- Total Nailing & Anchorage Length: 17,000 m
- Excavated Soil Volume: 55,000 m³
- Execution Period: 510 days



Islamic Azad University, Science and Research Branch

Shoring

- Client: Islamic Azad University
- Consultant: Gerantin Consulting Engineers
- General Contractor: Omran Azarestan company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: December 2015
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 64 m
- Stabilized Area: 11,600 m²
- Total Nailing & Anchorage Length: 31,000 m
- Total Soil Excavation Volume: 140,000 m³
- Execution Period: 583 days



Mika Knots Building

Shoring | Drainage and Insulation

- Client: MIKA Construction Group
- Consultant: Soroush Darya Pey company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: August 2018
- Shoring Method: Nailing & Anchorage
- Excavation Depth: 40 m
- Stabilized Area: 3,789 m²
- Total Nailing & Anchorage Length: 22,678 m
- Steel Structure Weight: 156 Ton
- Total Soil Excavation Volume: 37,812 m³
- Execution Period: 195 days



Tehran Heart Center

Shoring

- Client:** Tehran Heart Center Hospital
- Consultant:** Gorouh-e-Chahar Consulting Engineers
- E.P.C Contractor:** Baspar Pey Iranian company
- Location:** Tehran, Iran
- Start Date:** September 2012
- Shoring Method:** Nailing & Anchorage
- Excavation Depth:** 22 m
- Stabilized Area:** 2,300 m²
- Total Nailing & Anchorage Length:** 4,880 m
- Total Soil Excavation Volume:** 30,000 m³
- Execution Period:** 150 days



Istanbul Residential Complex

Shoring | Drainage and Insulation

Client: Ofogh Visman Construction Engineering company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: August 2023
Shoring Method: Nailing & Anchorage

Excavation Depth: 17,5 m
Stabilized Area: 2,29 m²
Total Nailing & Anchorage Length: 4,306 m
Steel Structure Weight: 18 Ton
Total Soil Excavation Volume: 12,000 m³
Execution Period: 140 days



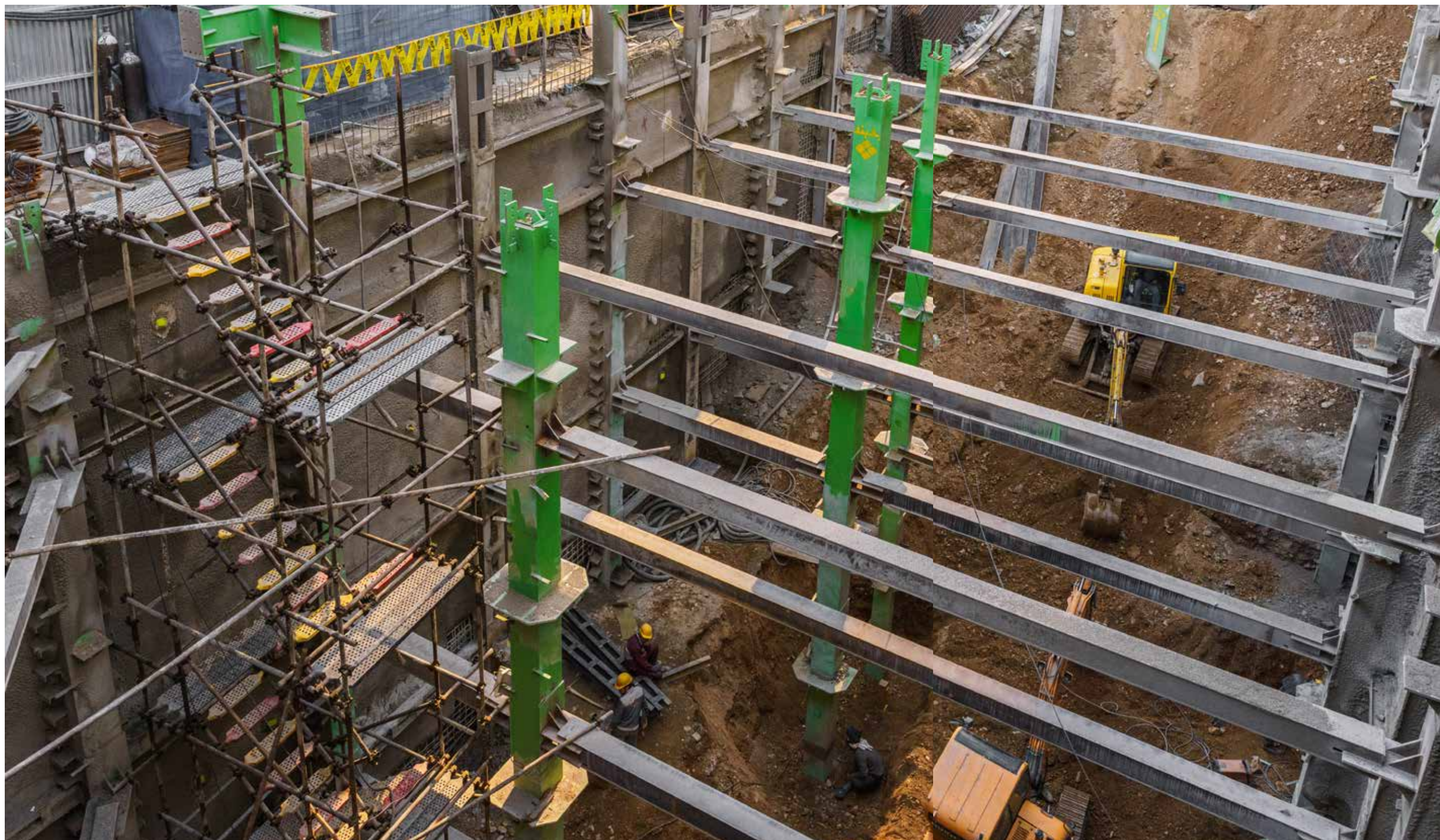
Iraj Residential Building

Shoring | Drainage and Insulation

Client: Omran Azarestan company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: August 2023
Shoring Method: Nailing & Anchorage

Excavation Depth: 23 m
Stabilized Area: 2,283 m²
Total Nailing & Anchorage Length: 4,682 m
Steel Structure Weight: 301 Ton
Execution Period: 288 days





Jahan Koudak Building

Shoring

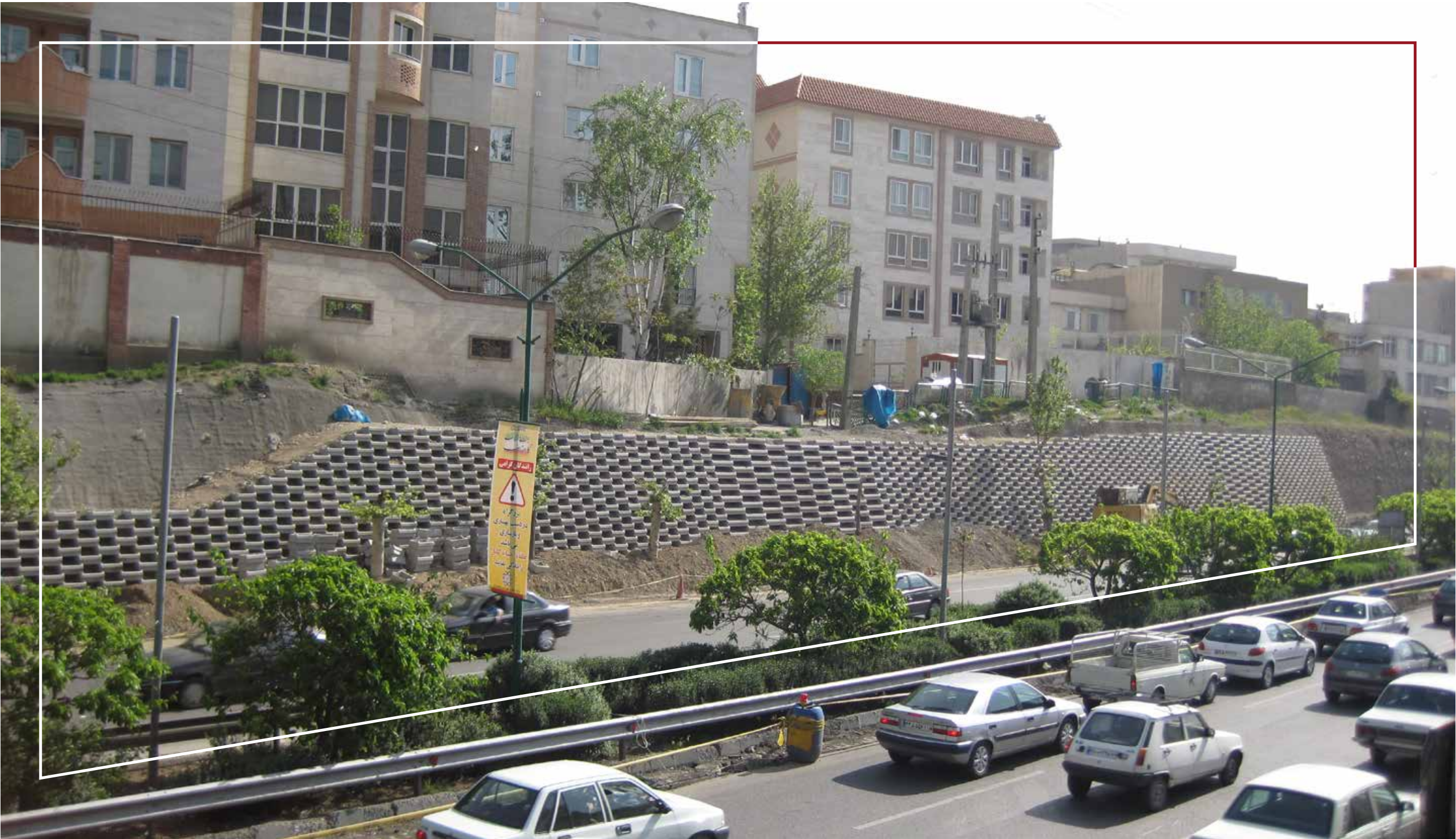
- Client: Eghtesad Novin Bank
- Consultant: Architectural Arkan Naghsh Consulting Engineers
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: April 2021
- Shoring Method: Strut
- Excavation Depth: 21 m
- Stabilized Area: 1,906 m²
- Steel Structure Weight: 364 Ton
- Total Soil Excavation Volume: 8,964 m³
- Execution Period: 162 days



Milad Tower Access Roads & Yademan Bridge Trenches

Trench Stabilization
Design & Execution of Bridge Abutment MSE Walls

- Client: Tehran Engineering and Civil Organization
- Consultant: Ardam Consulting Engineers company
- General Contractor: Band Construction company
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: December 2009
- MSEW Facing Type: Gabion
- Reinforcement Materials: Geogrid Polyvinyl Alcohol with PVC coating
- Amount of Reinforcing Materials: 8,500 m²
- MSEW Facing Area: 400 m²
- Shoring Method: Nailing
- Excavation Depth: 25 m
- Trench Stabilized Area: 4,500 m²
- Total Nailing Length: 4,400 m
- Execution Period: 210 days



Trench of Northern Sadr Highway (Dibaji)
Trench of Modarres Highway (Elahieh)
Trench Stabilization

- Client: Municipality of Tehran (District 1)
- E.P.C Contractor: Baspar Pey Iranian company
- Location: Tehran, Iran
- Start Date: August 2009
- Shoring Method: Nailing
- Trench Depth: 15 m
- Trench Stabilized Area: 1,518 m²
- Total Nailing Length: 1,198 m
- Execution Period: 120 days



Abshenasan Highway Trench
(Sattari Highway Intersection)

Trench Stabilization
Design and Execution of Reinforced
Retaining Wall

Client: Municipality of Tehran (District 5)
Consultant: Ardam Consulting Engineers
General Contractor: Split company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: September 2010
MSEW Facing Type: Potted Block
Reinforcing Materials: Geogrid Polyester with PVC coating

Amount of Reinforcing Materials: 7000 m²
MSEW Facing Area: 2000 m²
Shoring Method: Nailing
Excavation Depth: 10 m
Stabilized Area: 250 m²
Total Nailing Length: 287 m
Execution Period: 120 days



Sheikh Bahaei GIS post
Trench

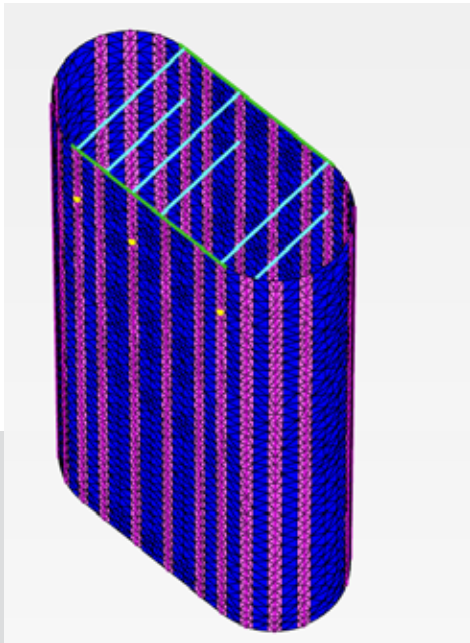
Trench Stabilization
Design and Execution of Reinforced
Retaining Wall

Client: Great Tehran Electrical Distribution company
Consultant: Mashanir company
General Contractor: Parsian Abdan Gostar company
E.P.C Contractor: Baspar Pey Iranian company
Location: Tehran, Iran
Start Date: July 2010
MSEW Facing Type: Concrete Block with a special design
Reinforcing Materials: Geogrid Polyester with PVC coating

Amount of Reinforcing Materials: 9,000 m²
MSEW Facing Area: 700 m²
Shoring Method: Nailing
Excavation Depth: 20 m
Stabilized Area: 400 m²
Total Nailing Length: 600 m
Total Soil Excavation Volume: 53,901 m³
Execution Period: 120 days

**DESIGN, INVESTIGATION
& SUPERVISION PROJECTS**





Khouzestan Steel Complex
(Zam Zam 3 - 3rd phase)

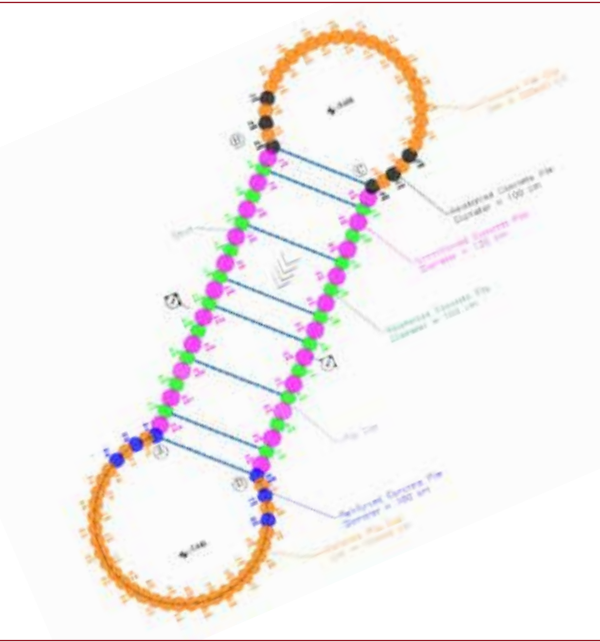
Shoring Design of the Cooling Gas Scrubbing Sealleg

- Client: Arya Hadeed Mines and Metals Engineering and Construction Corp.
- Consultant: Baspar Pey Iranian company
- Location: Ahwaz, Iran
- Date: May 2022

Khouzestan Steel Complex
(Zam Zam 3 - 2nd phase)

Shoring Design of the Roller Conveyor

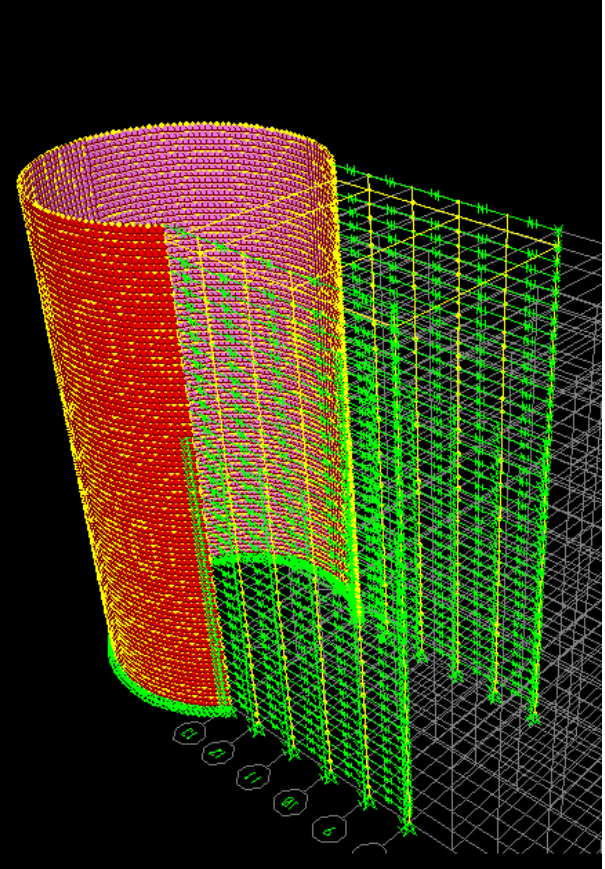
- Client: Arya Hadeed Mines and Metals Engineering and Construction Corp.
- Consultant: Baspar Pey Iranian company
- Location: Ahwaz, Iran
- Date: February 2021



Khouzestan Steel Complex
(Zam Zam 3 - 1st phase)

Shoring Design of the Settling Tanks

- Client: Arya Hadeed Mines and Metals Engineering and Construction Corp.
- Consultant: Baspar Pey Iranian company
- Location: Ahwaz, Iran
- Date: January 2020



Karoun Power Plant

Geotechnical Investigations
Consultation of Soil Improvement, Shoring, and Drainage

- Client: Masna
- Consultant: Baspar Pey Iranian company
- Location: Ahwaz, Iran
- Date: July 2023



FirouzKouh Dry Mortar Production Plant

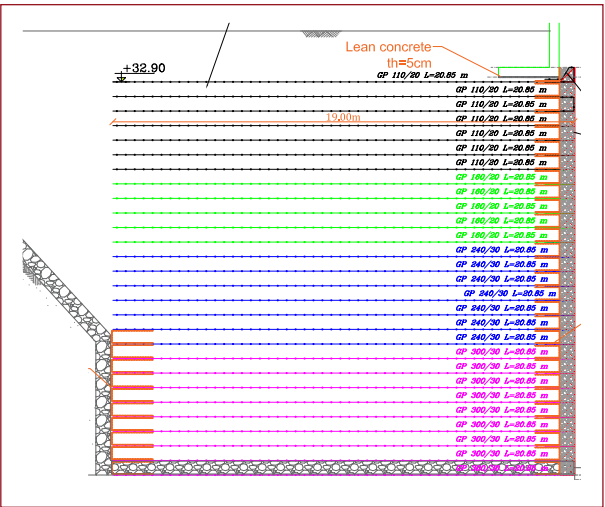
Geotechnical Investigations

- Client: Azarkhak company
- Consultant: Baspar Pey Iranian company
- Location: FirouzKouh, Iran
- Date: December 2009

Siraf Setareh Sabz Refinery 1st phase

Shoring design of access roads

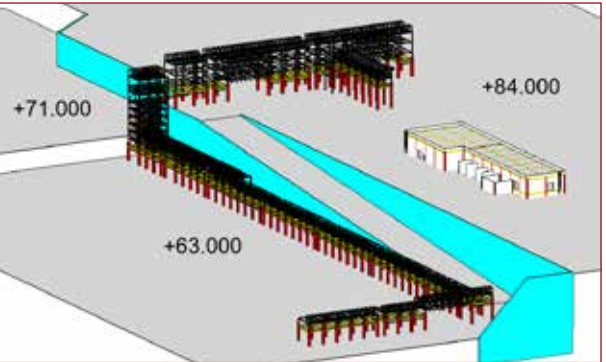
- Client: Nargan company
- Consultant: Baspar Pey Iranian company
- Location: Siraf, Iran
- Date: November 2021



Siraf Setareh Sabz Refinery 2nd phase

Geotechnical Soil Investigations | Shoring Design of the retaining walls at the eastern and southern sides of the storage tanks

- Client: Nargan company
- Consultant: Baspar Pey Iranian company
- Location: Siraf, Iran
- Date: February 2022



Atieh Complex

Shoring & Drainage Design, consultancy and Supervision

- Client: Sadra Nour company
- Consultant: Baspar Pey Iranian company
- Location: Tehran, Iran
- Date: November 2016



Boushehr Refah Bank Branch Affairs Department

Soil Improvment (Micropile) Consultation and Supervision

- Client: Refah Bank Building Engineering Office
- Consultant & Supervisor: Baspar Pey Iranian company
- Contractor: Dena Dock Builder company
- Location: Boushehr, Iran
- Date: December 2016



Imam Khomeini Grand Mosalla

Design, Supervision, and Quality Control tests on micropiles of Seismic Soil Improvement project (eastern and western zones)

- Client: Ministry of Roads and Urban Development
- Client's Consultant: Takhsis Pars company
- Designer Consultant: University of Tehran
- Specialist Geotechnical Consultant: Baspar Pey Iranian company
- Contractor: Iranshahr company
- Location: Tehran, Iran
- Date: November 2010



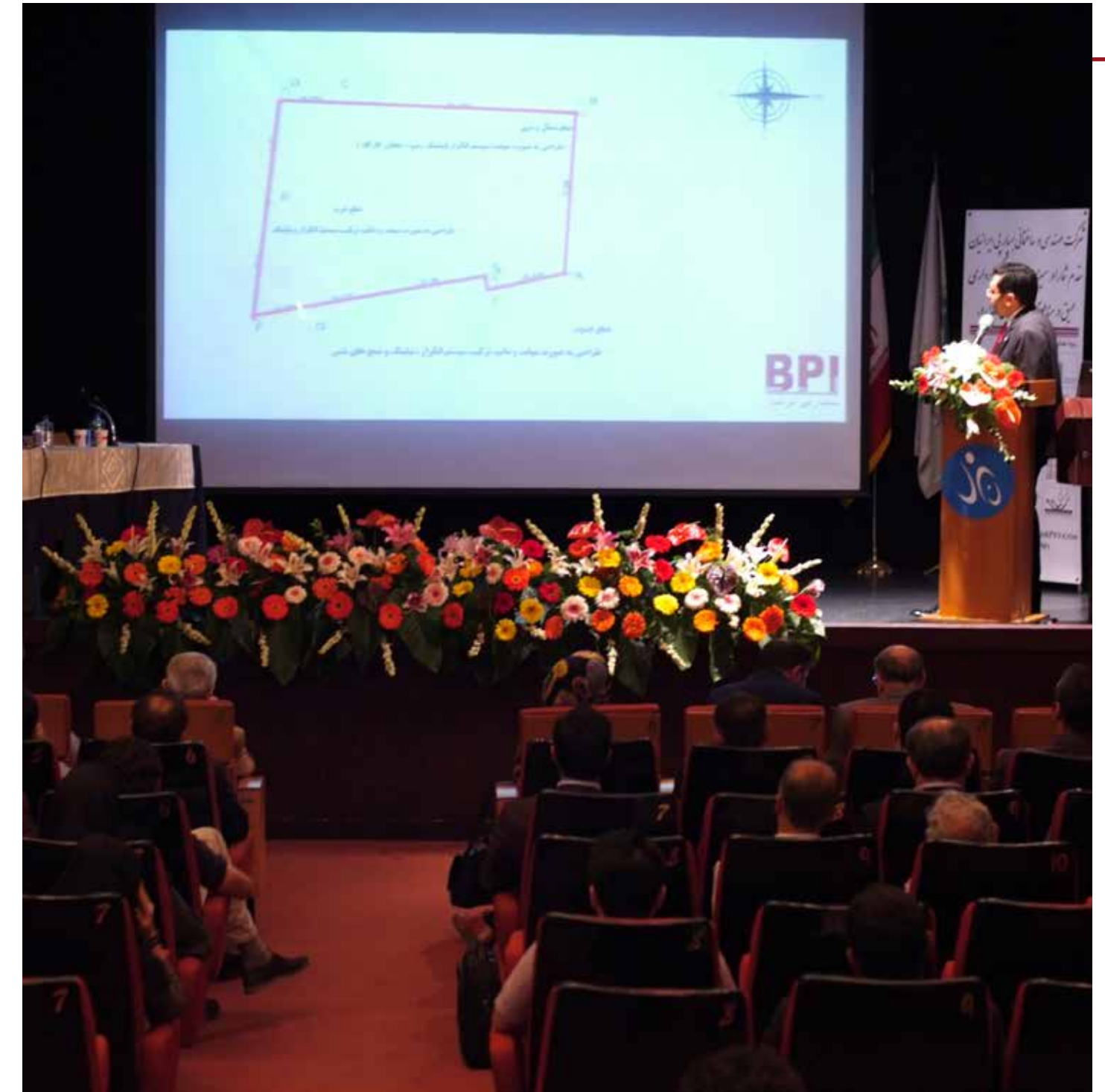
**SCIENTIFIC &
PROFESSIONAL ACTIVITIES
HONORS & ACHIEVEMENTS**



Geotechnical Engineering Events

Baspar Pey Iranian has actively and effectively participated in numerous specialized events as part of its professional responsibility. Moreover, intending to elevate the knowledge and experience of the engineering community in Iran, Baspar Pey Iranian has presented its scientific and operational findings by organizing specialized events. Some examples include:

- Holding seminar on challenges in the deep excavation in urban area
- Organizing seminar and panel discussion on the case study of BPI Farmanieh Multipurpose Complex project
- Organizing seminar and panel discussion focused on soil improvement to mitigate soil liquefaction
- Attending and presenting our technical-engineering-operational experiences at numerous national High-Rise Building Conferences
- Attending and presenting our technical-engineering-operational experiences in multiple international Geotechnical and Soil Mechanics Conferences
- Attending numerous national Reinforced Soil Wall Exhibitions
- Attending and presenting technical-engineering-operational experiences in 3rd Dam & Tunnel Conference and Exhibition in Iran
- Attending and presenting our experiences in Site Safety Conferences
- Attending in international 80 Years of Iranian Engineering Exhibition at the University of Tehran to Strengthen the university-industry collaboration





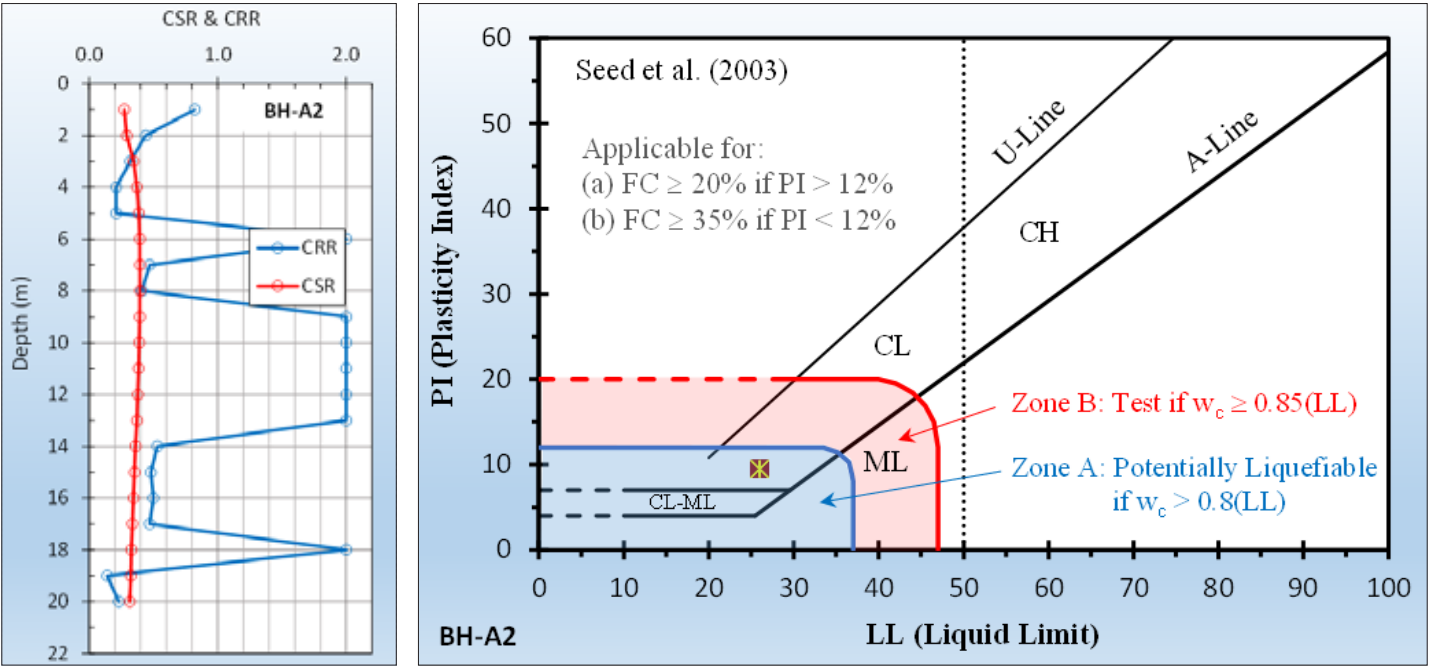
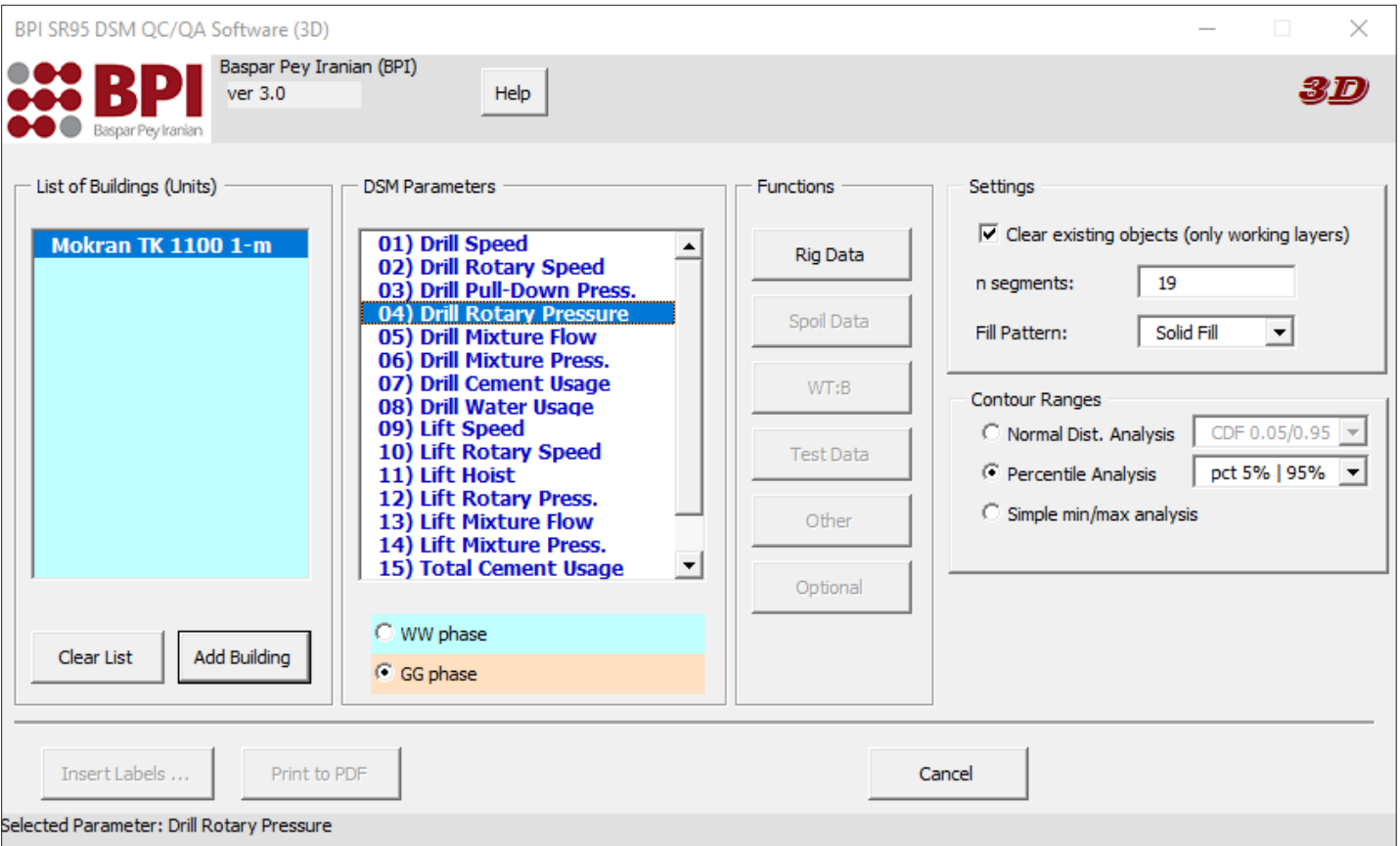
Scientific and Research Achievements

Baspar Pey Iranian has always considered research and development as one of its main priorities. The results of practical experiments and scientific research conducted by the company's specialists have been published in various scientific communities and national and international specialized journals for the benefit of geotechnical professionals.

Software Development

Baspar Pey Iranian, leveraging its technical engineering knowledge and practical experiences from pioneering geotechnical projects along with creative dedicated, and skilled professionals of its own, has made significant progress in producing and developing specialized geotechnical software. The company aims to align with the latest global standards and integrate them into the unified technical engineering framework of Baspar Pey Iranian. Some of the most important software developed by Baspar Pey Iranian are:

- Soil liquefaction Analysis Software in sandy and fine-grained soils (BPI-LiquENG)
- Soilmec SR95- Data Analysis Software (BPI SR95 QCQA dbmaker)
- Pile Design and Analysis Software for various types of piles
- Mixing Design Optimization Software for jet grout columns based on specific column diameter
- Attending in international 80 Years of Iranian Engineering Exhibition at the University of Tehran to Strengthen the university-industry collaboration









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