



# COMPANY PROFILE

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2025





# WELCOME TO PILETECH

where innovation meets the ground. We're proud to be at the forefront of foundation engineering, delivering reliable, safe, and sustainable solutions for every project. With expertise, dedication, and cutting-edge technology, we turn complex ground conditions into solid opportunities for construction success.

## WHO WE ARE

**PILETECH** is a leading foundation engineering company specializing in the design and execution of deep foundation solutions. With a strong focus on innovation, safety, and quality, PILETECH offers a comprehensive range of geotechnical services tailored to meet the complex demands of modern construction projects.





## ABOUT US

**PILETECH** is a partnership between Libyan and Chinese entrepreneurs and is managed by Chinese professionals with over 30 years of experience in the field. Through its subsidiary, Gulf Piling & Earthworks Company, LCC, it specializes in all geotechnical works, including deep foundations, shoring systems, and dewatering systems. With over 10 years of experience and a portfolio of over 50 successful projects across Libya, the People's Republic of China, Egypt, the United Arab Emirates, and the Kingdom of Saudi Arabia, we have established ourselves as a leader in the industry. We have partnered with renowned clients such as Orascom Construction and CCC to deliver complex projects, including the Tripoli Ring Road and a vast number of bridges in Eastern Libya. Our commitment to on-time delivery, cost-effective solutions, and proactive communication ensures client satisfaction. We maintain an impeccable safety record, adhering to the highest standards.





## OUR HISTORY

**Founded as a partnership between Libyan and Chinese entrepreneurs, PILETECH has grown into a regional leader in geotechnical solutions. With over 20 years of experience and more than 50 successful projects across Libya, China, Egypt, UAE, and Saudi Arabia, we have played a key role in major infrastructure developments. Our collaborations with renowned clients like Orascom Construction and CCC highlight our commitment to quality, safety, and innovation.**

2020

Global Recognition and Future-Oriented Growth: The company continues to embrace new challenges, focusing on cutting-edge solutions and sustainable development to build a better future.

2011

Tackling Mega-Projects and Forging Key Partnerships: Strategic partnerships with industry giants like Orascom Construction and CCC further demonstrated Piletech's ability to handle large-scale, demanding ventures.

2005

umble Beginnings, Ambitious Vision Starting with a small team and a dedication to quality, the company quickly established itself by taking on challenging projects and prioritizing client satisfaction.

2008

Strategic Expansion and Regional Leadership Through its subsidiary, Gulf Piling & Earthworks Company LCC, Piletech specialized in deep foundations, shoring, and dewatering.

2018

Innovation and Technological Advancement: Recognizing the importance of innovation, Piletech invested heavily in advanced drilling technologies and sustainable practices.



## OUR VISION

### **1 To be the foremost provider of innovative and reliable geotechnical solutions globally.**

This vision emphasizes Piletech's ambition to expand its global footprint while maintaining its reputation for delivering high-quality, cuttingedge solutions. It suggests a focus on continuous improvement, technological advancement, and exceeding client expectations in every project.

### **2 To build sustainable foundations for future generations.**

This vision highlights Piletech's commitment to sustainability and its role in constructing infrastructure that supports long-term societal development. It implies a focus on environmentally responsible practices, durable construction, and contributing to projects that enhance communities and improve quality of life.





## OUR MISSION

- 1 To deliver precise, reliable, and innovative geotechnical solutions that build strong foundations for our clients' success.**

This mission emphasizes Piletech's commitment to expertise, reliability, and client satisfaction.

- 2 To advance the geotechnical industry through continuous improvement, technological adoption,** and a dedication to safety and quality. This mission highlights Piletech's focus on innovation, safety, and maintaining high standards in its operations.

- 3 To contribute to sustainable development by providing durable, cost-effective,** and environmentally responsible construction solutions. This mission reflects Piletech's commitment to sustainability, efficiency, and positive impact on the communities it serves.



## OUR FACILITIES



### Headquarters

Piletech's Chengdu headquarters drives regional growth, fostering collaboration and innovation to deliver advanced geotechnical solutions across China and the world.



### Warehouses

Piletech's strategic warehouses ensure efficient equipment deployment, while specialized maintenance centers guarantee the optimal performance of its advanced machinery.



### Offices

Piletech's global offices strategically position the company across key regions, facilitating project management and fostering international partnerships for worldwide geotechnical solutions.



## OUR OFFICES

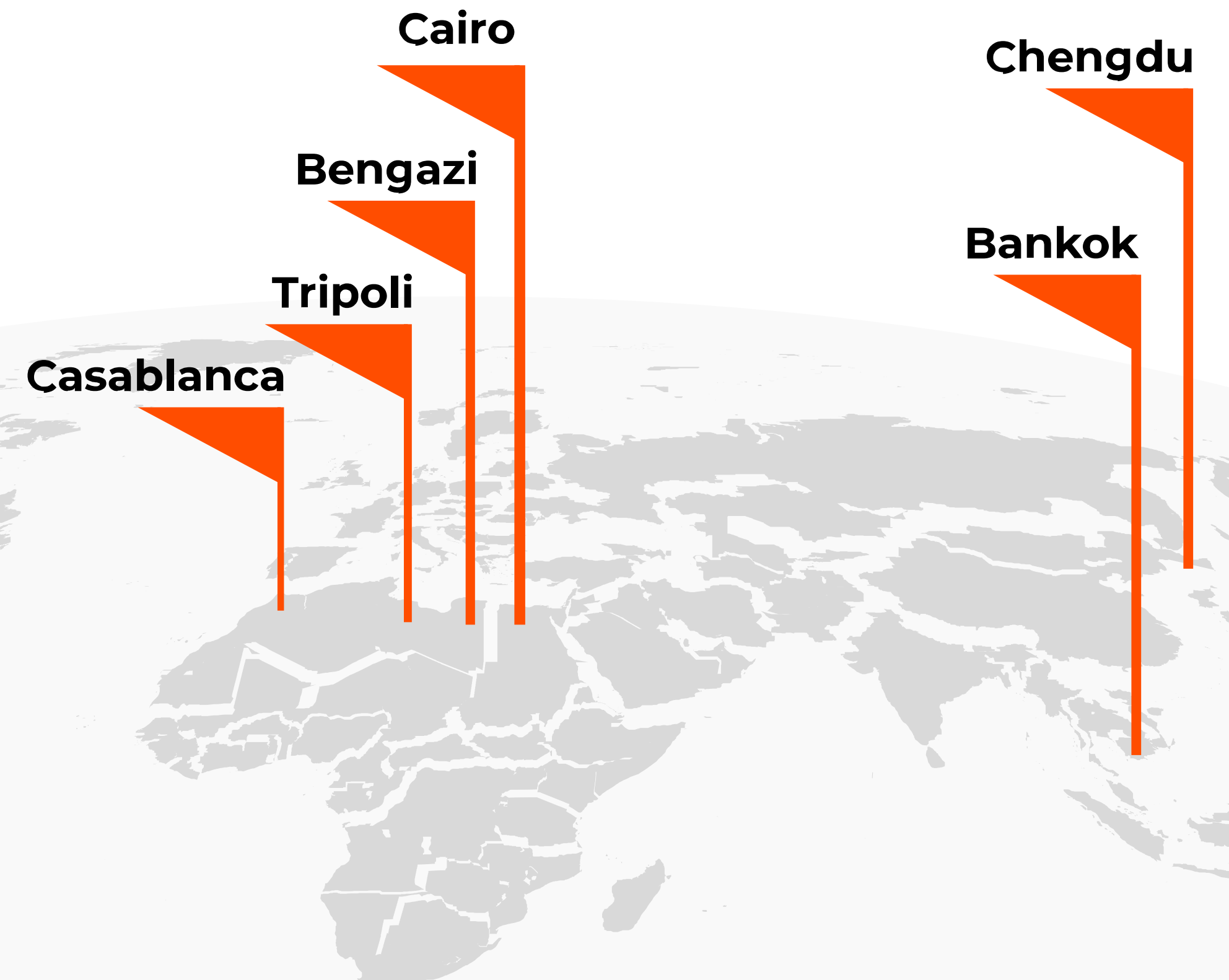
**20+**  
YEARS OF  
EXPERIENCE

**7**  
INTERNATIONAL  
PRESENCE

**8**  
RIGS ON  
CONTRACT

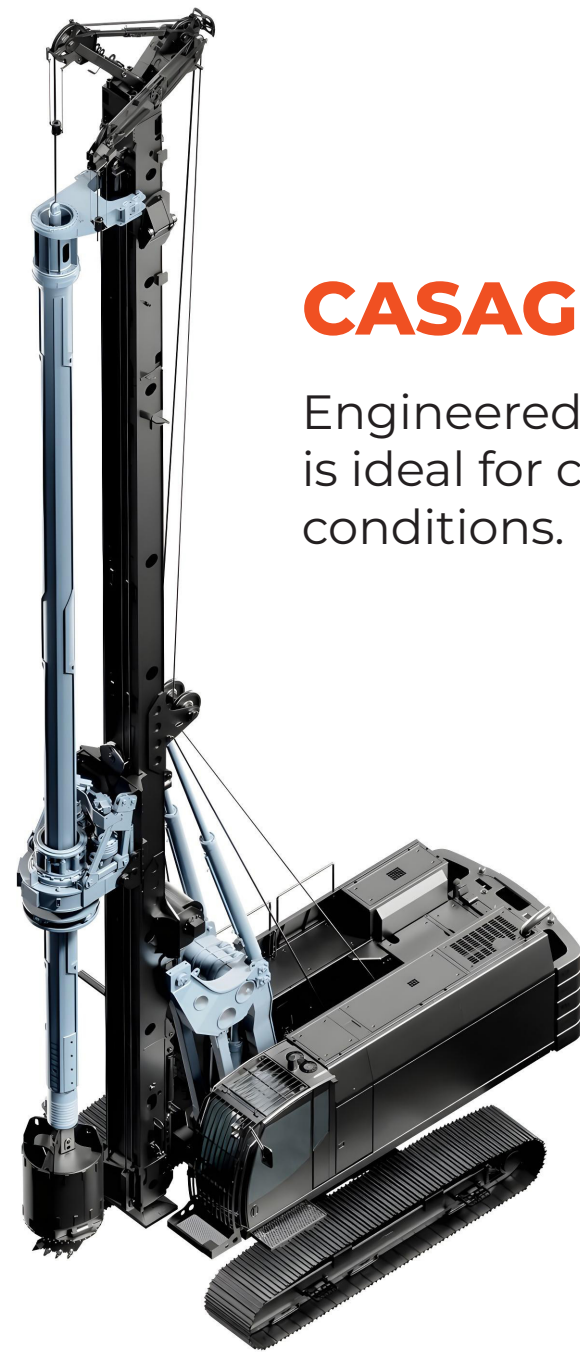
**400+**  
EMPLOYEES

**18**  
TOTAL  
OF RIGS





## OUR MACHINERY



### CASAGRANDE B250

Engineered for deep drilling, this rig is ideal for challenging geotechnical conditions.



### SUNWARD SWDM450

This rig offers a large drilling diameter and depth, suitable for major foundation projects.



### ZOOMLION ZR220A

A versatile rig with a strong output torque for medium to large-scale drilling operations.



### ZOOMLION ZR280C-2

This rig provides a balance of drilling capacity and power for diverse applications.



## OUR MACHINERY

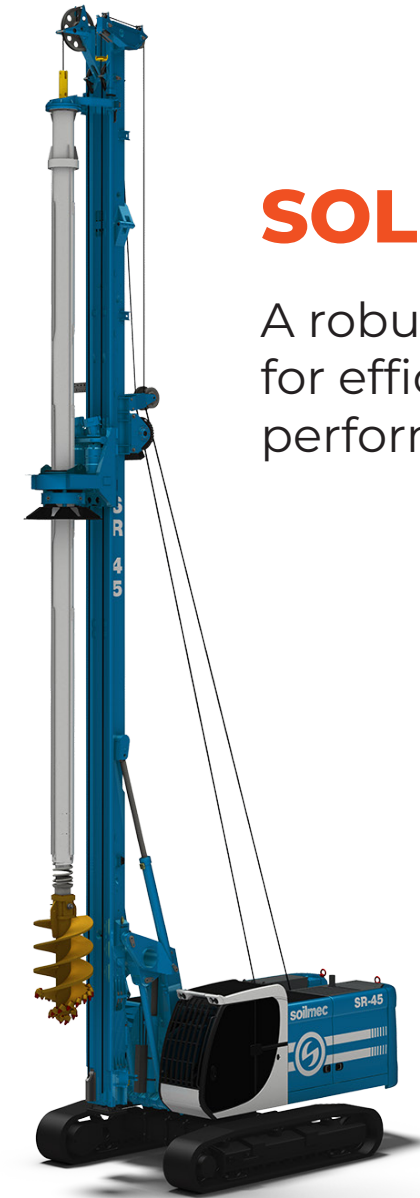
### ZOOMLION ZR150

A mid-sized rotary drilling rig designed by Zoomlion for urban and infrastructure projects. It offers a maximum pile depth of around 52 meters and supports pile diameters up to 1,500 mm. Powered by a reliable Caterpillar or Cummins engine with approximately 200–220 kW output, the ZR150 delivers a rated torque of 150 kN·m, making it suitable for medium-duty foundation work.



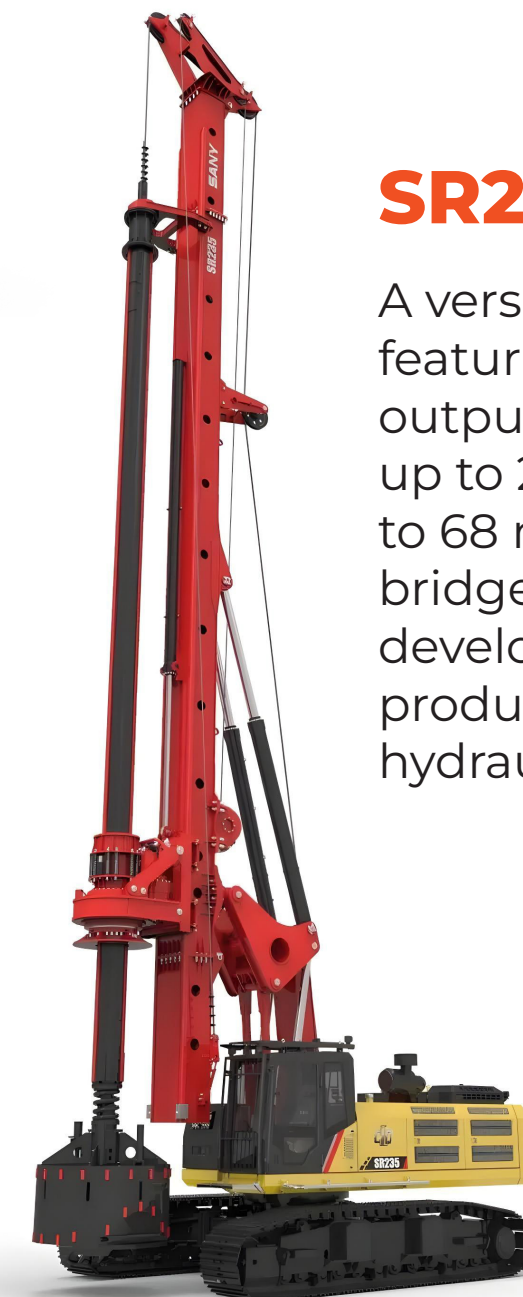
### SOLMEC 65

A robust and reliable rig designed for efficient and precise drilling performance.



### SR235 C10

A versatile and widely used rig featuring a 235 kN·m torque output. It supports pile diameters up to 2,000 mm and depths up to 68 m, making it suitable for bridge foundations and urban developments. Built for consistent productivity with advanced hydraulic systems.



### SR155 C10

A fuel-efficient rotary rig for mediumdepth piling, capable of drilling up to 56 m with diameters up to 1,500 mm. Delivers 155 kN·m of torque, making it ideal for city projects requiring lower noise and easy mobility.





## OUR PORTFOLIO

“success is best  
when it’s shared”



## CITY COMPLEX (城市综合体)

### 863 PILES

built in 2000, a modern urban hub  
integrating exhibitions, smart infrastructure, and  
sustainable development.





# HUANGJUEWAN FLYOVER

## 1043 PILES

built in 2017, a spectacular and complex structure was designed to fit the Chongqing's complicated landform. the interchange has 15 ramps and 20 lanes going in eight directions





# CHENGDU SHANBANQIAO OVERPASS

**378 PILES**

Work launched in 2015, a modern urban hub integrating exhibitions, smart infrastructure, sustainable development and additional piles for seismic resilience





## WUHAN-SHIYAN INTERCITY RAILWAY (湖北武汉至十堰城际铁路)

### 776 PILES

An important part of the high-speed railways network of Hubei province, started post 2010's, Wuhan-Shiyan Intercity Railway is enhancing regional connectivity and economic modernization.





# SHUANGLIU AIRPORT

**60000 M**

Critical infrastructure project—piling here must support large-scale, high-load facilities like terminals and runways.





# TIANFU AIRPORT

**120000M**

Tianfu Airport represents one of the largest aviation infrastructure projects in Western China, requiring vast amounts of foundational work. Due to the complexity and scale—runways, taxiways, terminals, and service buildings—the piling must be engineered for extreme load-bearing capabilities.





# CHENGDU HI TECH INDUSTRIAL DEVELOPMENT ZONE

**100000 M**

This zone is a critical part of Sichuan's economic and technological expansion strategy, likely hosting data centers, tech startups, and R&D facilities. Piling in such areas must accommodate both high vertical loads and provisions for future expansions.





## OUR PROJECTS IN LIBYA



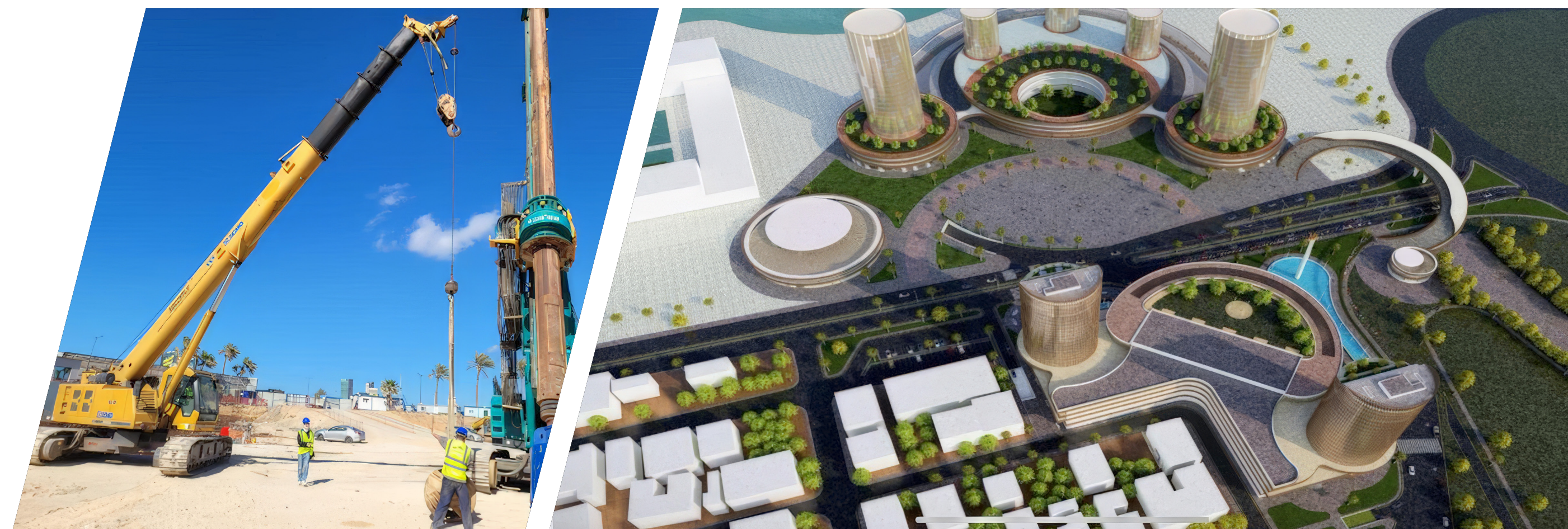


# TRIPOLI

**ROUND ROAD 3 (1200 PILES)**  
**PEOPLE'S HALL (430 PILES)**  
**STEEL BRIDGE (160 PILES)**

**TOTAL OF 1790 PILES**

We are proud to contribute to Tripoli's infrastructure through three key piling projects. The People's Hall (430 piles, ongoing) is a high-profile development requiring precision in a restricted urban site. Round Road 1200) 3 piles, completed) significantly improves traffic flow, overcoming complex soil and site conditions. The Steel Bridge (160 piles, ongoing) supports a vital crossing, with work progressing under tight space and traffic constraints. These projects highlight our technical capability, adaptability, and commitment to quality and safety—delivering reliable piling solutions under challenging conditions and supporting the city's long-term development goals.





**CAMEL BRIDGE (64 PILES)**  
**SAHABA BRIDGE (48 PILES)**  
**PORT BRIDGE (35 PILES)**

**TOTAL OF 1790 PILES**

In Darna, our team successfully executed piling work on three key bridge projects. The Camel Bridge (64 piles) and Sahaba Bridge (48 piles) were delivered with high precision, ensuring stability and longevity in challenging terrain and hydrological conditions. The Port Bridge (35 piles, ongoing) is a critical infrastructure element supporting port connectivity, currently progressing steadily despite logistical constraints. Each project reflects our engineering expertise, adherence to safety standards, and efficient execution under varying site challenges. Together, they contribute to restoring and enhancing vital transport links in Darna, supporting both urban mobility and regional economic recovery.





## AJDABIYA

**TUBROK ISLAND BRIDGE (72 PILES)**  
**FATH ISLAND BRIDGE (28 PILES)**

### TOTAL OF 100 PILES

In Ajdabiya, we carried out piling works for two important bridge projects enhancing regional connectivity. The Tubrok Island Bridge (72 piles) was executed with precision to ensure long-term structural integrity in coastal and variable soil conditions. Similarly, the Fath Island Bridge (28 piles) was completed efficiently, despite spatial and logistical limitations. Both projects were delivered to high safety and quality standards, reflecting our capability to handle diverse engineering challenges. These bridges not only improve transportation links in Ajdabiya but also demonstrate our commitment to infrastructure development in eastern Libya through reliable, durable piling solutions.





## KHARROUBA BRIDGE (160 PILES)

In Misrata, we successfully executed piling works for the Kharrouba Bridge, consisting of 160 piles. This large-scale infrastructure project plays a vital role in enhancing traffic flow and connectivity in the region. The site presented challenges related to dense urban surroundings and soil variability, but our team implemented advanced piling techniques and strict safety protocols to ensure structural stability and timely delivery. The Kharrouba Bridge reflects our commitment to engineering excellence and infrastructure development, showcasing our ability to deliver high-quality piling solutions that support Misrata's growing transportation and urban expansion needs.





# KHOMSS

## TOTAL OF 160 PILES

In Khomss, we executed piling works for the Khomss Bridge, consisting of 160 piles, as part of a strategic effort to enhance regional infrastructure and mobility. The project required careful planning and execution due to challenging soil conditions and limited access in parts of the site. Our team delivered the piling works with a strong focus on safety, precision, and durability—ensuring the bridge’s long-term structural performance. This project reflects our continued dedication to infrastructure development in coastal cities like Khomss, and our ability to provide reliable, high-quality piling solutions under demanding engineering and environmental conditions.





## BOUHADI GRIDGE (80 PILES)

In Sirt, we completed the piling works for the Bouhadi Bridge, totaling 80 piles, as part of efforts to restore critical transport infrastructure in the region. The project faced logistical challenges due to its location and post-conflict conditions, requiring precise execution and strict safety measures. Despite these obstacles, our team maintained high standards of quality and efficiency throughout the operation. The Bouhadi Bridge is a vital link for local communities, and this project demonstrates our commitment to rebuilding and enhancing infrastructure in Sirt through dependable and technically sound piling solutions that support regional stability and connectivity.





**THANK YOU**

