

**Ammico**

Passion for Excellence

# COMPANY PROFILE

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- Foundation Engineering
- Enabling Works
- Ground Improvement
- Marine Works









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Cut-off Wall at The Line – NEOM, KSA



Enabling Works at Doha Convention Center and Tower



# About Ammico

Ammico is a regional leader in specialist geotechnical and marine works, backed by over fifty years of international experience and a proven track record in delivering major foundation engineering, ground improvement, and marine construction projects to world-class quality and safety standards.

With comprehensive in-house design and execution capabilities, we undertake a full spectrum of piling, shoring, ground improvement, and marine works. We actively explore alternative methodologies and value-engineering opportunities to optimize time and cost for our clients.

Ammico places utmost importance on honouring commitments and building long-term, collaborative relationships with its clients. We take great pride in the fact that every project we have executed has been completed to the full satisfaction of our clients.

Over the past five decades, Ammico has earned a reputation for speed, quality, technical excellence, and the ability to deliver under demanding site conditions and accelerated schedules all while upholding uncompromising safety and quality standards. We value this reputation deeply and continue to work tirelessly to enhance it.

## 1200+

Personnel

## 50+

Years of experience

## 3 Offices

in KSA, Qatar & UAE

State-of-the-art equipment  
maintained to best industry  
practice

World class quality and safety  
standards

Protection of environment  
and sustainability as a core  
value





# Our Core Values

## ► Passion for Excellence

We strive to be the best, not necessarily the biggest. This is what drives us day in and day out.

## ► Commitment to Our Clients

We can say with full confidence that in the past five decades since Ammico has been in business, the projects we have undertaken to date have been completed to the satisfaction of each and every client.

## ► Technical Expertise & Continuous Improvement

We invest in building top-tier engineering and execution capabilities. Our multidisciplinary teams bring deep knowledge and hands-on experience to every challenge. We embrace new technologies, equipment, and methodologies, continuously refining our processes to improve efficiency, productivity, and project outcomes. Ammico has successfully completed diaphragm wall to a depth of 100 meters, a first for the region.

## ► Health, Safety, & Environmental Responsibility

Our commitment to minimizing environmental impact involves sustainable practices in design, execution, and resource management, as well as deploying innovative techniques that optimize efficiency, cost, and environmental impact.

Every project, regardless of scale, has been successfully completed to the full satisfaction of our clients, **without any instance of liquidated damages.**



Construction of Dolphins for Cruise Terminal at Old Doha Port



Rigid Inclusions at Superblock 5 – Rua Al Madinah, KSA



# Our Area of Expertise

Ammico is a specialist geotechnical engineering and marine works contractor with over fifty years of experience in these fields.

Under our **foundation engineering** scope, we have executed bored piles up to 3,000 mm in diameter and installed barrettes to depths of more than 80 m.

Diaphragm walls and cut-off walls are another core area of expertise, supported by our fleet of eight state-of-the-art diaphragm wall cutters.

Our track record includes deep diaphragm walls for metro stations (up to 50 m), escape shafts for underground metro rail systems (up to 55 m), pumping station shafts (up to 100 m), and drainage tunnel shafts (up to 60 m). Ammico is also a regional pioneer in cut-off wall and earth-retention technologies such as Cutter Soil Mixing (CSM).

We have extensive experience in **marine piling** and the construction of jetties, dolphins, and marinas.

Our marine fleet includes jack-up barges, spud barges, tugs, multicats, and a wide range of specialist equipment for delivering marine construction works in challenging conditions.

Ammico offers a full suite of **ground improvement** technologies including Rapid Impact Compaction (RIC), Dynamic Compaction (DC), Vibro Compaction (VC), Stone Columns (VR), Rigid Inclusions (RI), Deep Soil Mixing (DSM), and Jet Grouting.

With our comprehensive in-house expertise, we are able to undertake complex, multidisciplinary **enabling works** packages that combine ground improvement, shoring, anchoring, piling, excavation, dewatering, and related services under a single coordinated scope.

Diaphragm Wall, Excavation & Anchoring Works – Doha Metro – Musheireb Station







Riyadh Metro, KSA

## Foundation Engineering

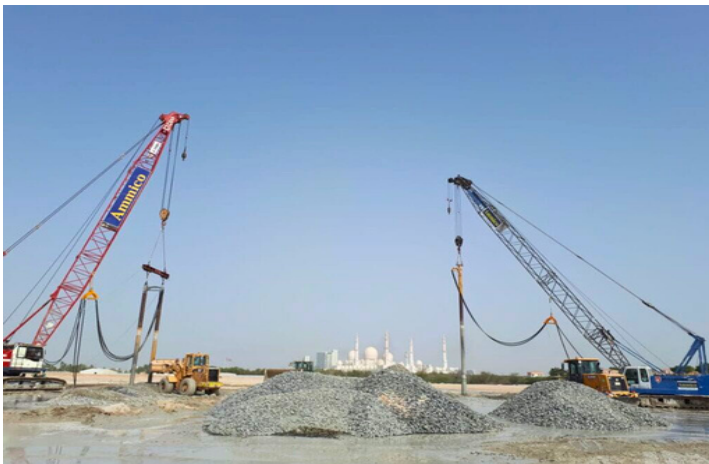
- Bored Cast-in-Situ Piling
- Diaphragm Walls
- Cut-off Walls
- Cutter Soil Mixing (CSM)
- Ground Anchors
- Micropiling
- Dewatering for Deep Excavations



Gas Sweetening Facilities (GSF) Project – Mesaieed, Qatar

## Marine Construction

- Jetties and Dolphins Construction
- Marinas Construction
- Marine Piling
- Marine Sheet Piling
- Dredging Works



Stone Columns at Traditional Souq Project, UAE

## Ground Improvement

- Vibro Compaction (VC)
- Vibro Replacement (Stone Columns)
- Rigid Inclusions (RI)
- Rapid Impact Compaction (RIC)
- Dynamic Compaction (DC)
- Dynamic Replacement (DR)
- Jet Grouting



Enabling Works for Al-Quds Tower Project – Doha, Qatar

## Enabling Works

- Deep Excavations and Dewatering
- Site Preparation, Earth-filling Works



# Foundation Engineering



Ammico has a proven track record of delivering complex foundation engineering projects under tight schedules and demanding site conditions—without compromising on world-class quality or safety. We have successfully installed bored cast-in-situ piles up to 3m in diameter and barrette piles to depths of over 80 m.

Piling Works at Ilmi Center  
Misk City, Riyadh, KSA

Our extensive fleet of plant and equipment includes powerful hydraulic rotary rigs, reverse-circulation drilling rigs, and state-of-the-art cutters capable of installing barrette piles, diaphragm walls, plastic-concrete cut-off walls, and Cutter Soil Mixing (CSM) walls for both cut-off and shoring applications.

Our piling expertise covers a wide spectrum, including bored piles, driven piles, large-diameter piling in hard rock using down-the-hole (DTH) hammers, and micro-piling.

When faced with challenging ground conditions or accelerated timelines, Ammico is known for developing innovative, project-specific solutions that optimize time, cost, and overall constructability.

Piling Works at The Red Sea Development  
Shurayrah Island, KSA





## Diaphragm Wall Works

Diaphragm wall installation is a core competency of Ammico, which has delivered some of the most significant projects in the region.

Ammico has installed diaphragm wall shafts and barrette piles to depths of up to 100 m and operates eight state-of-the-art cutters capable of installing diaphragm walls, barrette piles, and plastic concrete cut-off walls. All diaphragm wall works for Doha Metro underground stations and escape shafts were executed by Ammico.



100m Deep Diaphragm Wall for North Jeddah Pump Station

## Cutter Soil Mixing (CSM)

CSM wall can be an effective and economic solution for granular soils for cut-off as well as for shoring works. In this method, the in-situ soil is mixed with pumped cement-bentonite grout. The advantage of this technique is that the in-situ soil is not excavated out but is utilized in the mix that forms the hardened wall.

If earth retention is required, steel beams can be lowered into the panels while the soil-cement- bentonite mix is still fresh.



CSM Wall Installation  
Shafts for Storm Water Drainage Project – Qassim, KSA

CSM Wall Face after Excavation, Laheq Island – Red Sea, KSA







Installation of Ground Anchors – Doha Metro – Msheireb Station

## Anchoring Works

Ground anchors are essential tie-back elements used to provide lateral support for shoring walls. Their installation can be highly challenging—particularly in deep excavations where anchors must be drilled under high water head or artesian pressure.

Ammico's expertise in ground anchor installation is unmatched in the GCC. At the Msheireb Station of the Doha Metro, we successfully installed anchors of 200 mm diameter to depths of up to 55 m, each with a working load exceeding 3,500 kN. These anchors are among the longest and highest-capacity earth-retention anchors installed anywhere in the world.

## Micropiling

Micropiles are small diameter (typically up to 300 mm) drilled and grouted piles. Ammico has extensive experience in the installation of micropiles and has executed projects involving tens of thousands of these elements.

We have developed specialized in-house equipment and installation systems that allow us to achieve high productivity while consistently maintaining world-class quality standards.

Installation of Micropiles and Posts  
Solar Plant at Al-Kharsaah, Qatar



Installation of Micropiles – Water Mega Reservoir – Doha, Qatar





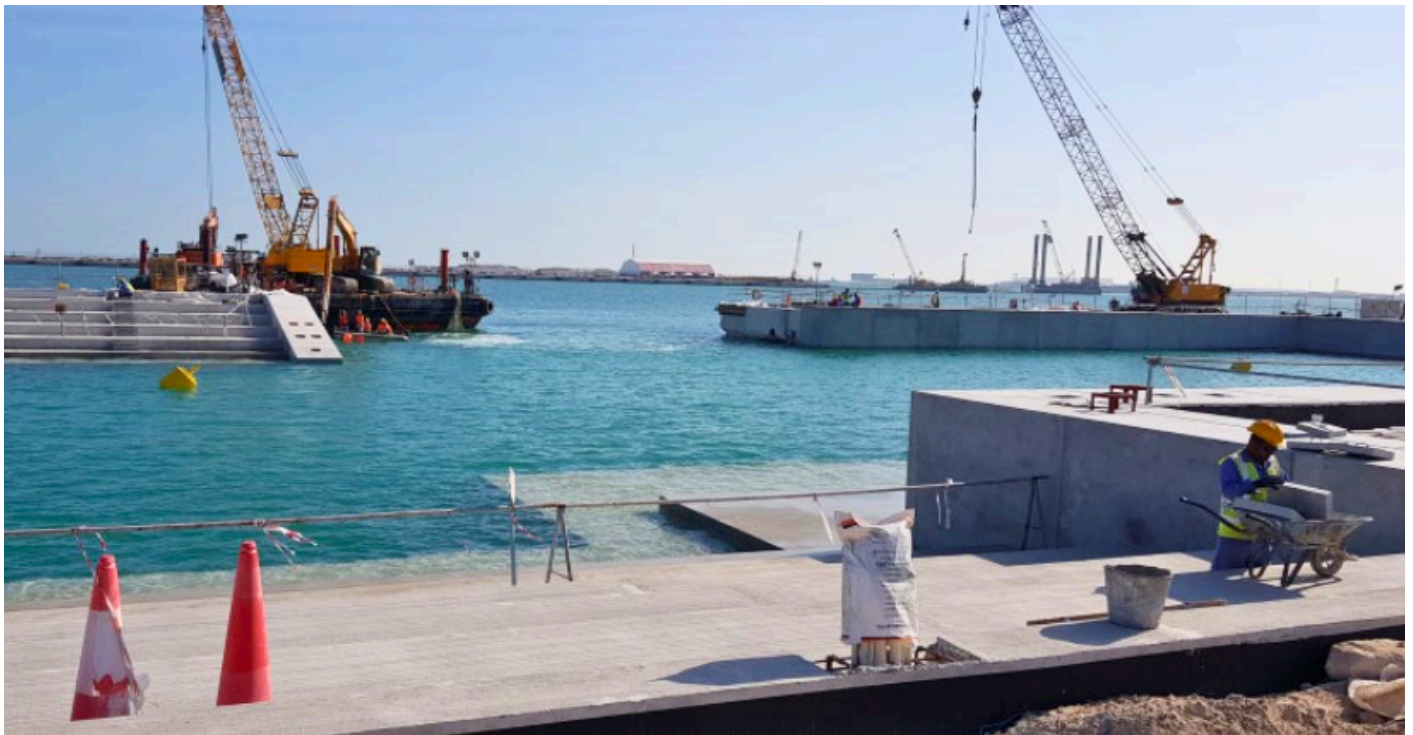
# Marine Construction

## Ammico's Expertise:

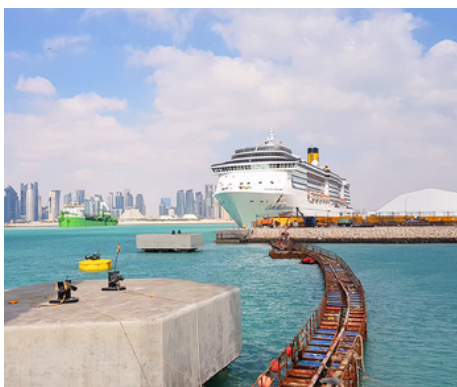
- Construction of jetties and dolphins including substructure and superstructure
- Construction of marinas
- Installation of bored piles, driven piles, sheet piles etc.
- Installation of large diameter bored piles up to 3m diameter using reverse circulation drilling (RCD)
- Breakwaters and shore protection
- Dredging



Construction of Marina at Old Doha Port



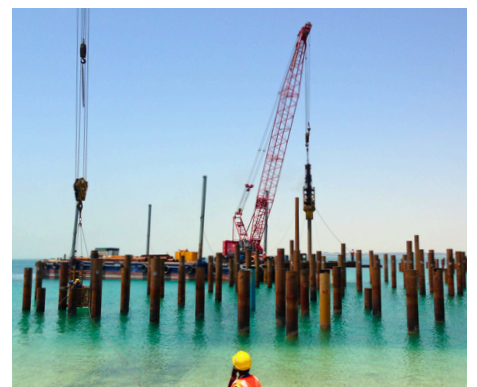
Construction of Marine Facility for Recreational Vessels at Old Doha Port



Construction of Dolphins for Cruise Terminal – Old Doha Port



Construction of Jetty – Gas Sweetening Facility - QP - Mesaieed, Qatar



Marine & Sheet Piles – Banana Island Resort, Qatar



# Ground Improvement

When in-situ soils do not meet the required settlement, bearing capacity, or liquefaction mitigation criteria, ground improvement offers an economical and technically sound solution.

A wide range of ground improvement methods can be applied depending on soil conditions, project loads, and performance requirements. Ammico has strong in-house expertise to design, optimize, and value-engineer the most appropriate solution—ensuring both cost efficiency and safety.

## Ground Improvement Technologies:

- Rapid Impact Compaction (RIC)
- Dynamic Compaction (DC)
- Vibro Compaction (VC)
- Stone Columns (VR)
- Rigid Inclusions (RI)
- Deep Soil Mixing (DSM)
- Jet Grouting



Installation of Stone Columns – Traditional Souq, Abu Dhabi



Stone Columns at Desalination Plant – Kalba, Sharjah, UAE



Delmon Expansion Plant – Rigid Inclusions (RI) – KSA



Rapid Impact Compaction (RIC) – Jafurah Gas Field – KSA



# Equipment Resources

Ammico owns one of the most comprehensive fleets of specialist foundation and marine equipment in the region.

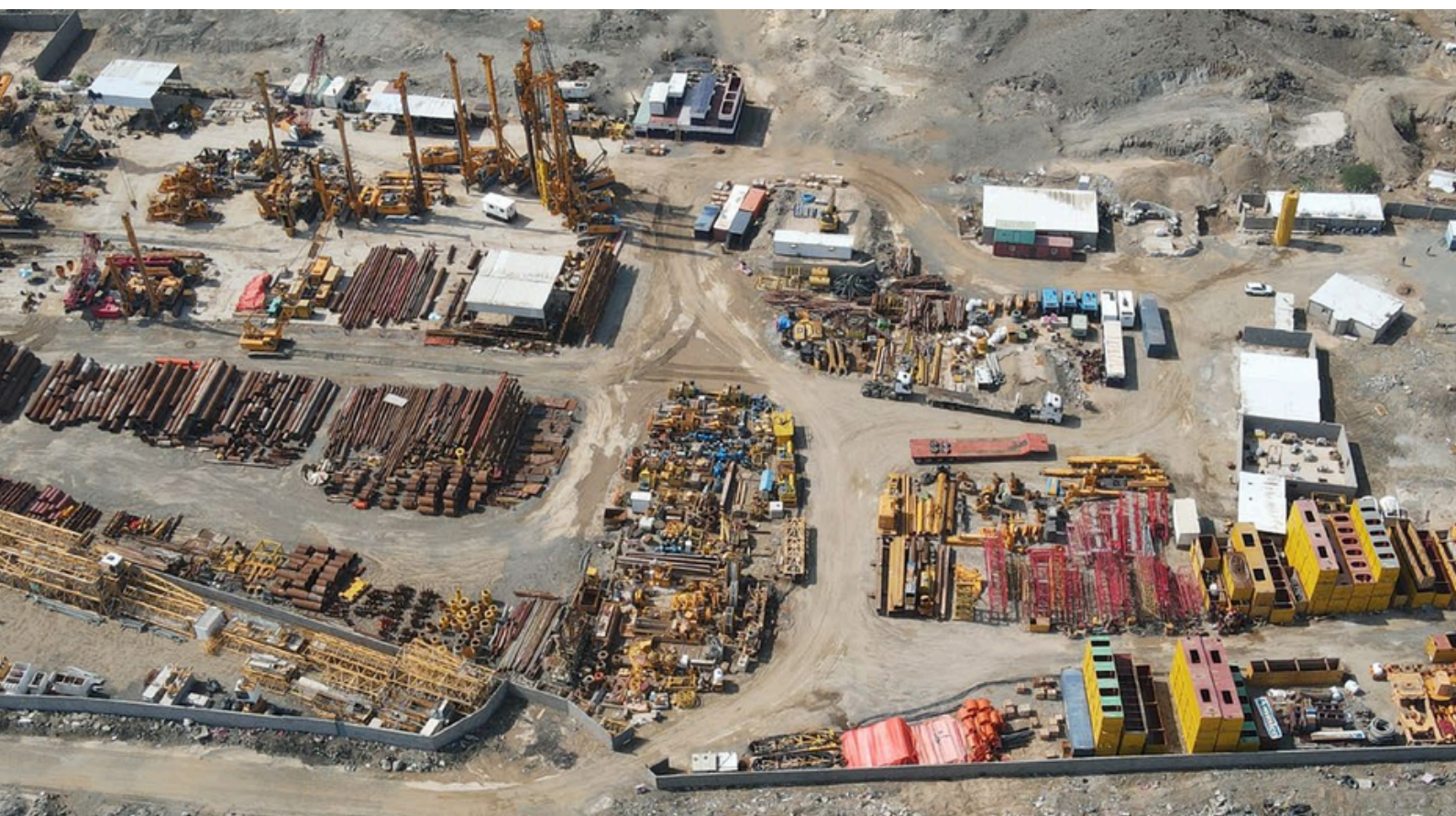
Our **foundation equipment** includes eight state-of-the-art diaphragm wall cutters, more than thirty hydraulic rotary drilling rigs, twenty anchor drilling and micropiling rigs, vibratory and impact hammers of various capacities, reverse-circulation drilling rigs capable of handling piles up to 3 m in diameter, crawler cranes for dynamic compaction, Rapid Impact Compaction systems with rams up to 16 tons, CPT rigs, and a wide range of specialized piling plant and tooling.

Our **marine** spread consists of jack-up barges of up to 1,000-ton capacity, spud barges, tugs, multicats, and a large selection of equipment dedicated to marine construction works.

We take great pride in maintaining all our equipment to the highest international standards. Each major machine is monitored online during operation for hydraulic pressure, temperature, diesel consumption, and other critical parameters. In addition, a state-of-the-art ERP system tracks all maintenance activities, while a robust inventory of spare parts ensures minimal downtime across our fleet.

Ammico's in-house capabilities in mechanical engineering, hydraulics, mechatronics, automation, programming, and system integration ensure that our equipment operates safely and efficiently. When needed, we design, fabricate, and integrate custom tooling and specialized equipment to meet unique project requirements.

| Ammico's Yard in Jeddah, KSA

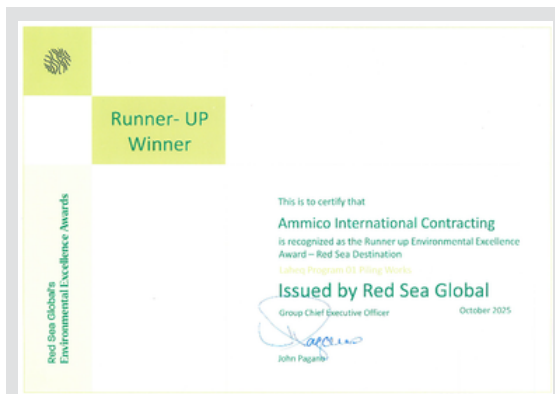




# Health, Safety & Environment

## Ammico's Commitment & Track Record

Quality and safety form the foundation of everything Ammico stands for. These core values drive and sustain our “Passion for Excellence”. Ammico is firmly committed to providing a safe and healthy working and living environment for all its personnel, while ensuring that every project is delivered in full alignment with client expectations in terms of quality, health, safety, and environmental performance.



With the goal of eliminating risks to property and the environment, Ammico invests substantially in developing and implementing solutions that are efficient, economical, and environmentally sustainable. Demonstrating its commitment to innovation, Ammico became the first company in the Kingdom of Saudi Arabia to introduce and successfully execute Cutter Soil Mixing (CSM) technology — an advanced ground engineering method that blends self-hardening slurries with native soils to create robust and durable retaining structures.



# Key Projects

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## Rua Al Madinah Super Block 5 and Tunnel Project

- Ground Improvement
- 25,600+ Rigid Inclusions installed



## Enabling Works for Qiddiya North West Transport Hub (NWTH)

- Shoring
- Piling
- Anchoring
- Earthworks
- Shotcrete



## Riyadh Metro - Lines 3, 5, 6

- Shoring
- Piling
- Excavation
- Anchoring
- Shotcrete



## Enabling Works at Laheq Island for Red Sea Global

- Shoring with Cutter Soil Mixing (CSM)
- Piling
- Excavation
- Anchoring





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