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CONTRACTING
L.L.C.

Smart Trenchless Solutions for Modern Infrastructure

Horizontal Directional Drilling

DRILLING SMARTER. BUILDING STRONGER.



**HDD services for Telecommunication,
Water, Electricity, irrigation,
Gas & Oil project etc.**

Mission

To deliver value-driven HDD solutions through strong client partnerships, ensuring every project is executed with precision, quality, and timely delivery, while creating mutually beneficial outcomes for all stakeholders.

Vision

To be the leading provider of HDD services in the UAE, recognized for technical excellence, innovative solutions, and sustainable practices that set industry benchmarks.

OUR VALUES

Quality: Commitment to delivering superior craftsmanship and materials in every project.

Safety: Prioritizing the health and safety of employees, clients, and partners in all operations.

Team work: Strong team cohesion enables us to meet deadlines and remain within budget, delivering quality results to our clients.

Ethics: We prioritize workplace safety, manage environmental responsibilities, and maintain honest communication with clients

Timely Execution: Ensuring projects are completed within agreed timelines without compromising quality.

Client Satisfaction: Fostering strong relationships through transparent communication and reliable service.

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About Us

Established in 2014, FGC Contracting LLC has firmly positioned itself in the United Arab Emirates' dynamic construction sector, consistently delivering exceptional projects across the all Emirates. Headquartered in Dubai, FGC is synonymous with integrity, reliability, and architectural excellence.

We take pride in completing numerous projects and leaving a significant footprint in the region by embedding quality, precision, and sustainability into every endeavour. From residential communities and commercial complexes to complex infrastructural developments, our portfolio reflects our commitment to crafting spaces that balance aesthetic appeal and functional excellence.

Expansion into HDD Services

In 2025, FGC proudly launched its Horizontal Directional Drilling (HDD) Division, further enhancing our capabilities in underground utility installations, pipeline projects, and complex infrastructural solutions. This strategic expansion underscores our commitment to innovation, precision, and comprehensive service offerings in the construction sector.

Expert Team

Our strength lies in our team. FGC is supported by a team of highly skilled engineers with over 15 years of experience, ensuring that every project is executed with technical excellence, safety, and efficiency.

Our Core Commitments

- **Quality Assurance:** Delivering durability and superior standards in every project.
- **Timely Delivery:** Meeting deadlines and honoring client commitments.
- **Innovation:** Leveraging advanced technologies and design principles.
- **Sustainability:** Promoting environmentally responsible and resource-efficient practices.

Our Business - HDD

FGC Contracting LLC – HDD specialises in trenchless underground construction and pipeline installation, providing innovative and efficient solutions across the UAE.

We deliver comprehensive HDD services for:

- **Road Crossings (NDRC)** – Safe and precise drilling beneath highways and urban roads.
- **Telecommunication Lines** – Installing fibre optics and communication networks with minimal disruption.
- **Water Pipelines** – Efficient installation of potable and utility water systems.
- **Electrical Lines** – Underground electrical conduit and cable installation
- **Gas & Oil Pipelines** – High-precision installation of energy pipelines for industrial and municipal projects.

Our team ensures quality, safety, and timely execution on every project, leveraging state-of-the-art equipment and over 15 years of engineering expertise.

Why Choose FGC HDD?

- **Proven Track Record:** Successfully completed **70+** complex HDD projects across all Emirates.
- **Technical Expertise:** Specialized in challenging and large-scale drilling operations.
- **Commitment to Excellence:** Prioritizing safety, quality, and sustainable practices on every project.
- **Client-Focused Approach:** Flexible solutions tailored to meet unique project requirements.

Health & Safety Policy

At FGC Contracting LLC – HDD Division, we are committed to the health, safety, and well-being of our employees, contractors, clients, and communities. Safety is integral to every project we undertake.

Goal: Achieve **zero harm** by making safety everyone's responsibility while executing projects efficiently and responsibly.

Quality Policy

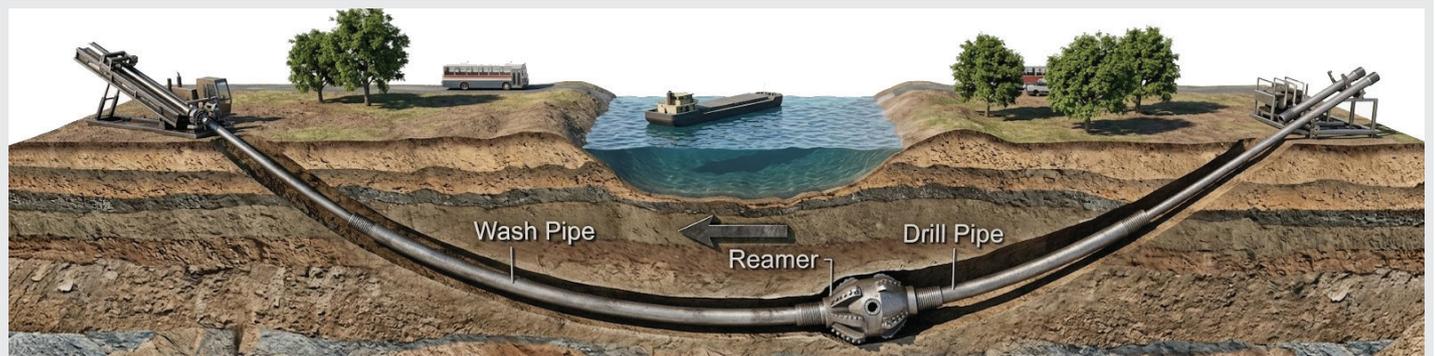
At FGC Contracting LLC – HDD Division, we are committed to delivering high-quality, reliable, and precise HDD solutions that meet or exceed client expectations. Quality is embedded in every stage of our projects, from planning and design to execution and completion.

Goal: To consistently provide safe, efficient, and superior-quality HDD services, reinforcing our reputation as a trusted leader in the UAE.

NON-DISRUPTIVE ROAD CROSSINGS (NDRC)

FGC Contracting LLC began its NDRC operation in 2025. The Company specializes in non-disruptive road crossings utilizing the latest technology in Horizontal Directional Drilling Technique.

Horizontal Directional Drilling (HDD)



The latest advanced technology in non disruptive road crossings. Ideal for water, Gas, electric & fibre optic cables and telephone cables of single or multiple ducts. Drilling HDPE pipes from 32mm diameter to 1000mm diameter, and lengths from 8m to 500m, Under Roads, Railway tracks, Pavements, Lakes and rivers, Airport run ways, and solid structures.

Horizontal Directional Drilling (HDD) is a trenchless technology used for underground installation of pipelines and utility conduits without surface excavation. Compared to conventional open-cut methods, HDD reduces construction time, reinstatement costs, traffic disruption, and environmental impact.

It is ideal for installations beneath roads, highways, waterways, railways, and environmentally sensitive areas, where traditional trenching is not feasible.

Our HDD services have been successfully delivered across the UAE for Municipalities, Roads & Transport Authorities, Electricity & Water Authorities, Sewerage Departments, Telecommunications Providers, Oil & Gas Companies, Civil Aviation Authorities, and major construction firms.

HDD Process

Site Survey – Utility identification, soil assessment, and bore alignment design.

Rig Selection – Equipment chosen based on bore length, pipe diameter, and ground conditions.

Pilot Bore Drilling – Steerable drilling with surface tracking systems.

Back Reaming – Borehole enlargement to required diameter.

Pipe Pullback – Installation of the product pipe through the bore.

HDD enables safe, precise, and efficient underground utility installation with minimal surface disturbance.

Pilot Bore Drilling



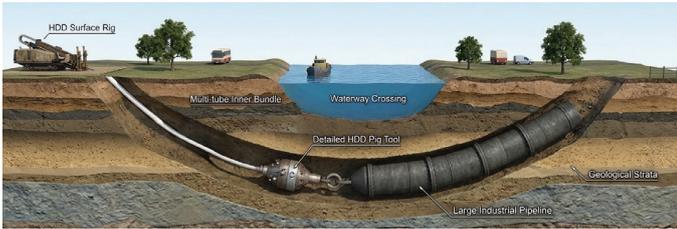
The pilot bore is initiated from the entry point at an angle of 6°–18° and gradually transitions to a horizontal alignment at the required depth. The bore path follows a controlled curvature to minimize friction, maintain allowable pipe bend radius, and ensure smooth installation without pipe damage.

Pilot Hole Enlargement



Pilot hole enlargement is performed by attaching a reamer to the drill rod and pulling it through the drilled pilot bore to increase the borehole diameter to the required specification for product pipe installation. The final reaming/back washing is required based on the soil conditions and the allowable pullback load during back reaming in HDD operations.

Pipe Pullback

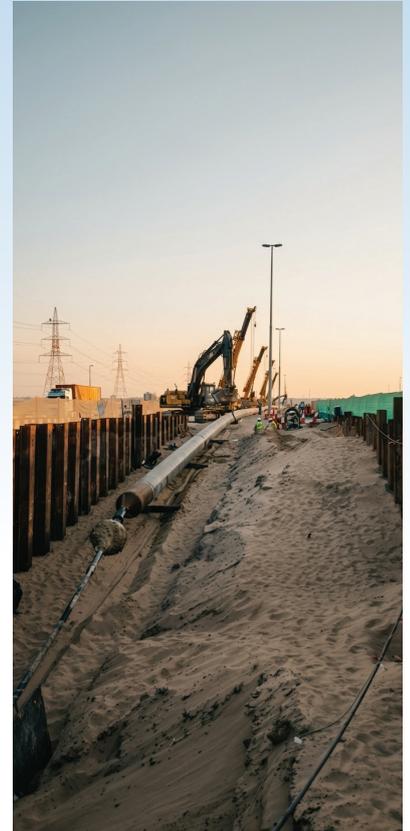


After pre-reaming, the product pipe is connected to the reamer using a swivel, which prevents drill pipe rotation. The product pipe is then pulled through the prepared bore hole to complete the installation.

Project Capabilities (HDD)

Pipe Diameter Range: 32 mm – 1000 mm
Maximum Bore Length: 10 m – 500 m per crossing
Drilling Accuracy: Precision directional drilling with modern tracking and guidance systems
Conduits Type: HDPE & Steel Pipe

Precision Projects Gallery



Respect

At FGC, we value every stakeholder — employees, customers, partners, authorities, communities, and the environment — building trust and lasting relationships.

Empowerment

We equip our team with training, resources, and opportunities, fostering innovation, responsibility, and dedication to deliver the best for our customers.

Our Commitments

FGC Contracting LLC delivers advanced HDD solutions for challenging underground infrastructure in urban and congested environments.

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