

GEO TUNNEL

**GEO TUNNEL FOR GENERAL
CONTRACTING COMPANY**

Construction, Roads, and Infrastructure

GEO TUNNEL

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“WORKING TOGETHER FOR
THE FUTURE OF THE GCC”



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Introduction to **GEO**TUNNEL

GEO TUNNEL FOR GENERAL CONTRACTING COMPANY started as Qatar trading & Contracting Group (QTCG) and is an engineering firm that specializes and an expertise in planning and executing Infrastructure Construction, Roads, Roadside ITS, complex boring Pipe jacking (Micro-Tunneling), Drilling, Permeation Grout, Shotcrete application & CCTV Scanning-Rehabilitation services. Our acquired technological & operational experience allows us to partake in great infrastructure projects and developments throughout the GCC Countries, with over 120,000 meters of tunnel currently installed or ongoing.

1992 ESTABLISHMENT

QTCG started with minor contracts for Public Works Authority (Ashghal) Department of Network Operation and Maintenance with an effort to provide high quality service. Initially company was involved in a subcontractor capacity.

1999 DRAINAGE CONTRACTS

QTCG started with minor contracts directly for Public Works Authority.

2001 ROAD PROJECTS - SUBCONTRACTS

QTCG started taking part in Road Projects as a subcontractor.

2003 INFRASTRUCTURE PROJECT

QTCG invested in Micro-tunneling technology by acquiring our first MTBM, with sizes ranging from 200 to 3000mm.

2004 ROAD PROJECTS - MAIN CONTRACT

Succeeded in signing our first Roads Contract as Main Contractor for Ashghal.

2005-2012 CONTINUOUS DELIVERING OF PROJECTS

No. of completed projects:
= 7 Drainage projects
= 10 Road projects

2013 QUALIFIED FOR ROADS AND DRAINAGE

Qualified for Local Roads and Drainage Programme by Ashghal for Categories 1 (up to QAR 200M), for Categories 2 (QAR 200M to QAR 900M) for Categories 3 (Over QAR 900M). Signed QTCG's largest project "Roads and Infrastructure in Doha Industrial Area Package 01" with value (QAR 1.4B) for Ashghal.

2014 SEWER REPAIR, REPLACEMENT, AND REHABILITATION FRAMEWORK

Signed contract for Ashghal's multiple work order-based project "Sewer Repair, Replacement, and Rehabilitation Framework".

2015 TSE NETWORK FRAMEWORK

Signed another contract for Ashghal's multiple work order-based project "Maintenance of TSE Network Framework".

2016 LATERAL INTERCEPTOR SEWER

QTCG signed a contract for "Design and Construction of Lateral Interceptor Sewers 01 (LIS-01)" for Ashghal's project under Inner Doha Re-Sewerage Implementation Strategy (IDRIS) with value QAR 1.04B for Ashghal.

2017 GEOTECHNICAL

QTCG started utilizing Mobile Rigs for Geo-Drilling & Grout Curtain subcontracting works.

2019 SERVING FIFA WORLD CUP 2022

QTCG signed the contract for "FIFA Readiness Project 04" as part of Qatar's preparations for the World Cup, by upgrading the drainage systems of 3 Doha City zones for Ashghal with value 355M. We likewise signed a contract for Local Roads and Drainage Program for Al Ebb and Labeeb zones of Doha City with value of QAR 645M for Ashghal.

2021 COMPANY SUBDIVISION

In order to facilitate growth, the management chose to subdivide the company and birthed "GEOTUNNEL FOR GENERAL CONTRACTING COMPANY".

Working on a project namely Wakrah and Wukair Drainage Network Branches with value QAR 399M for Ashghal and striving to be the best low-rise civil infrastructure contracting company.

2024 Expansion of Geotunnel to KSA

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Our Commitment

As a GCC-based contractor, Geotunnel is dedicated to providing its clients with the best of services related to low-rise and underground infrastructure. Building professionalism with our customers is our real competitive advantage in the market, and the strength of our organization is through our talented workforce.

Mr. Abdulaziz Mostafawi / General Manager



**100% Safe Hours
During Execution**



**100% On Time
Project Schedule**



**0% Defects
at Handover**

Your Satisfaction

As a professional company dedicated to high standards, we provide reliable, high-quality construction services, under the strict supervision of ISO 9001 certified Quality Management system, so that our Clients may place their reliance on us.

Geotunnel has the vision to extend its business to foreign markets so as to provide optimal infrastructure delivery while observing commitments.



Business Values

Mission

To continuously expand our presence in the development of Roads and Drainage Systems across the GCC region, ensuring the delivery of safe, sustainable, and high-quality craftsmanship that reflects our core values.

Vision

To become the premier Civil Contracting & Infrastructure Company in the GCC, distinguished by unparalleled professionalism, integrity, and fairness in our dealings with suppliers, subcontractors, professional partners, vendors, and customers. We aspire to venture into new domains that capitalize on our strengths and align with customer needs and preferences.

Our technical & commercial team is multinational, comprised of professionals with project experience from around the world.

Core Values

COOPERATION

We at Geotunnel are open-minded and we are willing to exchange information and ideas and assist each other to grow. We are expressing ourselves clearly in communication.

COMMITMENT

Committed to fulfilling our promises and nurturing relationships with our clients and partners for the full success of the work. One of our main objectives is the efficiency of our project's handling, execution, and delivery.

INNOVATION

Constantly preparing and proactively seeking the best solutions to any challenge. Either by technology utilization or by approach, we at Geotunnel strive for continual improvement at all levels.

SUPPORT AND SAFETY

Geotunnel's main goal is personnel safety and protection of the environment at all levels of the company; through providing support and training to a valued and dynamic workforce. Geotunnel's enviable record and certification in Quality, Safety & Health, and Environmental Standards are guarantees for operational excellence.

INTEGRITY

Keeping honesty in communication and at work is an added value that is incorporated into every project regardless of size and monetary value.

Business Activities

We, **Geotunnel for General Contracting Company (Geotunnel)** and **Qatar Trading & Contracting Group (QTCG)** started in 1992 and since then, we have completed a number of major projects. We are an expert in drainage infrastructure development by open trench and non-disruptive tunneling method.

We serve our clients financial interests while **guaranteeing high-quality projects and preserving the environment** for Roads, Roadside ITS, Pipeline Trench, Trenchless (Micro-Tunneling) Method, Geo-Drilling & Grouting, Sewage Pump Station, and Package Treatment Plants.

Currently, Geotunnel competes with most major companies that have joined the rapid development of GCC. Geotunnel lives up to its status as a Grade A Civil Contractor (for Roads and Drainage) as listed by the Ministry of Finance.

Wisdom, knowledge, expertise, innovation, and flexibility of collaborators drove rapidly the growth of the company in just a few years. Geotunnel is now one of the leading contractors in the state of Qatar.



Business Scope

Along with many years of experience, Geotunnel is confident that we can handle any situation laying ahead in connection with construction of drainage, roads, and infrastructure. We always base our works on the project specifications, design aspects, and high-quality standards.

Rest assured and be confident, Geotunnel will do the work for you.

OUR OFFERED SERVICES:



DRAINAGE AND PIPELINE

Continuous in its effort for high-quality standard service, we have involved ourselves in subcontracting. It was until 1999 when the company had its first major leap by being awarded its first project as the Main Contractor. From thereon, the company has expanded through keen management and acquisition of practical knowledge and its precise application in this particular sector of construction.



ROAD CONSTRUCTION

It was in the year 2001 when Geotunnel was engaged in the sector of Roads Construction by subcontracting and it did not take long until we reached another milestone when it had its first project as a Main Contractor in 2004.



MICROTUNNELING

Geotunnel is employing one of the latest technologies of Microtunnelling System, which had been used successfully in several projects of the company since year 2003. We take pride of our Tunnelling Division as we are able to extend our services to other contractors as we get constant invitations to subcontract on their projects.



GEOTECHNICAL

Drilling and Grouting
Shotcrete
Piling Works



PIPELINE & REHABILITATION

CCTV Inspections and Surveying
Jet Flushing
Patch Liner & Repair
UV CIPP Liner

Drainage Services

Geotunnel is an experienced company for constructing drainage pipelines and networks for different purposes, types, sizes, and depths by trench or trenchless method. Complete design and build with full support for the project from design up to the project completion and commissioning.

Furthermore, Geotunnel has wide experience in over-pumping and dewatering of ground water with high intensity and huge capacity equipment.

Moreover, Geotunnel is experienced in construction of shallow to very deep shafts (manholes) with different depths (up to 48 meters) and extensive diameters (from 1.5 to 14 meters).

Our areas of expertise for drainage services are as follows:

1

Sewer Line and Drainage Line

Drains and sewers are used for collecting surface water (including rainwater) and transporting it back into the seas.

2

Surface Water Drainage System

Surface water drainage systems transport rainwater away from gutters, patios, driveways, roads and fields to prevent flooding. These are made from weatherproof and lightweight durable pipes with high tensile strength.

3

Treated Sewerage Effluent (TSE) Works

Treated Sewage Effluent is the new segment in wastewater treatment wherein the sewage effluent is further treated to a level where it could be reused.

4

Potable Water Works, Mainline and House Connection

Water is drawn from freshwater sources and is treated at water treatment plant, this pipeline is clean without any dangerous constituents.

5

Pump Station and Package Treatment Plant

This method is one of the most common forms of pollution control at wastewater treatment plants, which facilitates wastewater before discharging it back into the environment.

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Road Construction

In addition to our effort to be the leader in international market, Geotunnel has built Roads Construction and expanded its range towards “Customer Satisfaction”.

01 Earth Works

This is a field of operations connected with excavations and earth embankments.

02 Asphalt Works

Asphalt laying is typically constructed over concrete road slabs or over compacted earth subgrades. Base course and wearing course layers are then executed composed of sand, small aggregates, and bitumen.

03 Flexible Surfacing Works

The wearing course layer is the upper layer of the flexible pavement and provides the smooth, durable, abrasion-resistant characteristics of a good carriageway, retaining adequate friction vital for road safety.



04 Existing Public Utility Services Diversion

When clearing a site ready for development or when changing road layouts, it is often necessary to relocate or divert existing utilities, so they don't hinder the construction works

05 Street Lighting Works

Street lighting and traffic secure safe traffic conditions during day and night ensuring safe flow of traffic at all times.

06 Traffic Signs and Road Marking Works

There are interchangeable signs with displayed messages, and traffic signals.



07 Traffic Signal Works

Traffic signals are comprised of a controller, traffic light heads and detection unit. Traffic signals can run under a variety of different modes which depend on location and time of day.

08 Telecommunications

Today, telecommunications are used to convey information between users and computer systems through complex telecommunication networks.

09 Landscaping & Irrigation Works

Geotunnel possesses people and technical skills in landscaping works and have experience for execution of Micro Irrigation, flood systems, rotary sprinkler, and spray irrigation works.



10 Hardscaping Works

Hardscaping is the use of hard materials to create a functional space. This involves concrete materials rather than earth and plants from the soft landscaping works.

11 Intelligent Traffic System

Improves transportation safety and mobility and enhances productivity through the use of advanced communications technologies.



Micro Tunneling

Geotunnel for General Contracting Company's Tunnel Construction Method using Microtunneling and Pipe Jacking for installing underground pipeline through non-disruptive and trenchless method is one of the most innovative technologies for pipeline installation. Our professional technical team is familiar with every technique in understanding, characterizing, and investigating the subsurface condition of the geological environment.

The team of Microtunneling has achieved success in all Geotunnel main contract and subcontracted projects since the initiation of tunneling division on 2003. Geotunnel takes pride in its Tunneling Division as it constantly receives subcontract invitations from other Main Contractors, in GCC wide. In this way, we are able to extend services to other contractors and extend our sources of income. Our Microtunneling machines are supplied by a German company Herrenknecht Group.

Do not just take our words, see the numbers which speak for themselves.



120Km

Microtunneling Works
(linear)



49

Microtunneling Projects

From
ID
200 mm

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Up to
ID
3000 mm

Geotechnical Services

Drilling & Grouting

In the last few years, the necessity of Drilling and Grouting method has increased due to the limitation of the dewatering capacity and high number of karst features found in the rock formations during the excavation phase.

In terms of continues development, Geotunnel has established new section for cement grouting activities which can be employed for in karst feature filling, permeation grouting soil nailing and rock bolting which minimizes the risk of excessive water inflows and soil collapsing during excavation.





Shotcreting

Shotcrete is applied pneumatically onto a surface through hose at high velocity. It is made up of a mixture of cement, aggregate with maximum aggregate size of 5 or 10 mm and water, optional admixtures or additives, which developed its properties through the hydration of the cement. Using the wet mix method and the automatic spraying robot which is owned by Geotunnel, it provides a safe working environment in excavations with small rebound of about 5 to 10%.



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Piling Works

Piling rigs can be used to aid in the excavation of shafts, trenches, or pits. Geotunnel has successfully implemented excavation method using piling rigs for shafts with various diameters and depths.

Consists of piling rig drilling a specific pattern of holes within the shaft envelope, which enables a faster excavation cycle and allows for time and cost savings as well as improved safety.

Geotunnel has two piling rigs which are manufactured by Bauer: BG 28 and BG 11H.

BG 28 (larger) can reach up to 50m depth and BG 11 H (smaller) can reach up to 28m depth.



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Pipeline & Rehabilitation Services

CCTV Inspection & Survey

Due to improvements and market requirements, Geotunnel has been utilizing the most updated technology of CCTV pipeline surveying the IBAK PANORAMA. This technology, unlike conventional sewer inspection systems, uses two high-resolution digital photo cameras with 185° fisheye lenses installed front and back of the camera tractor.

Photos are shot at 5 cm intervals and the photos from the front camera are combined with the corresponding photos from the rear camera. This generates what are called spherical images and these enable a true 3D interior view of the sewer to be created.

Jet Flushing

It is the process of cleaning the tunnel line with high-pressure water jetting, with variety of nozzles based upon the length and diameter of the pipe and the application required such as silt clay, grease, debris, root cutting and etc.



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Patch Liner

When there are defects in the pipes, the common method of repair is Patch Lining. The Patch Liner system is generally used for trenchless completed works to avoid rectification by destruction and excavation of the line, and is facilitated by inflating new epoxy tubing and curing it into place.

In contrast to the open-cut method, the advantages of Patch Repair with short liner methods are numerous. For example, there is no need to break up the soil, which minimizes restrictions on sidewalks or road traffic. Construction debris, dust, and noise are also reduced. There are no changes in structural engineering due to deep excavations, and the construction time is shortened. As a result, the short liner method is many times more economical than the complete replacement of pipes using the open cut method.

Trenchless technology enables repair and replacement with little to no digging required. Pipe rehabilitation can usually be carried out from manholes.

Geotunnel's Patch Liner can repair structural defect locations inside the pipe i.e. cracks, water leak, fracture, faulty joints and etc.

Our system consists of non-foaming resin components and fiber rolls with good adhesion even to damp surfaces for the rehabilitation and sealing of pipes and sewers.



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UV CIPP (Cured-in-Place) Liner

Cured-in-Place is a soft lining pipe that is very strong after curing. It is the creation of a new pipe from an existing pipeline by inserting a resin impregnated polyester felt liner under pressure. The lining then is being cured by Ultraviolet-UV light.

UV light curing technology is a kind of overall pipe restoration technology, which is to inject a light-curing resin into a soft pipe made of glass fiber, then pulling it into the original pipe. Inflating this long resin to expand with the pipeline, molded with the internal diameter of the pipe. After inflation, the original pipe will serve as the outer film and the resin will be the inner film or the soft pipe.

Closing the ends of the pipeline while the UV light curing instrument is inside the line, then to apply UV light for resin curing and form a composite liner pipe.

Geotunnel's installed and cured liner is chemically resistant to exposure to sewage and sewage gases as experienced with the high temperatures in the Middle East.

After curing of the resin, the minimum flexural strength is up to 31 N/mm² with Tensile Strength of 21 N/mm². Depending with the thickness of the resin, it can reach up to more than the standard strengths.





Back-Up and Support Division

Geotunnel has assembled different divisions to initiate time and effort conservation. We expand our operations without significantly modifying the existing organizational structure, that is why we deliver on time and with 100% quality.

01

Plant, Machinery, and Vehicles Division

Plants, Machineries, Maintenance, and Vehicles for in-house or rental use

02

Crusher and Concrete Division

We own Modern Type Crushers and Screeners

03

Ready-Mix and Precast Division

A large Concrete Batching Plant that is owned and handled by Geotunnel

04

Health, Safety, and Environment Division

In lieu with Zero Harm Policy

05

Quality Division

Motto "Doing it right, the first time"

06

Welfare Division

Site Clinic and Value for the workers



Plant, Machinery, and Vehicles Division

Geotunnel's Plant, Machinery and Vehicles Division (PMV Division) looks after preventive and corrective maintenance of the construction plant fleet to ensure their readiness for ongoing and upcoming projects.

In Addition, setting up a successful PMV Division starts from selecting a variety of equipment, for completing different tasks on site, that are both reliable and cost-effective.

PMV Division follows several proactive measures to ensure minimum down time of equipment prior to dispatching; the goal is to maximize productivity, cost effectiveness as well as to meet project demands as required.

Furthermore, our transportation fleet hauls material from and to projects in timely manner to maintain the site clear from excavated material and provide what is necessary to complete various tasks on site such as backfilling and asphaltting.

Geotunnel's machineries are also available for hire and subcontracting purposes.



Equipment & Machineries

1,054 nos.

Total numbers of Equipment and machineries



Wheel Loader
25 nos.



Skid Steer Planer Loader
Milling – 1 Meter
1 no.



Skid Steer Loader
21 nos.



Tandem Roller
1.4 to 10 tons
10 nos.



Backhoe Loader
13 nos.



Concrete Batch Plant
1 no.



Mobile Crane
25-250tons
25 nos.



Crusher
2 nos.



Trencher
1150-1675
5 nos.



Microtunneling Boring Machine
ID200mm up to ID3000mm
15 nos.



Drill & Piling Rig
110- 280 KnM
Depth up to 50M



Trucks, trailer, low bed trailers
and tankers
93 nos.



Excavators (1.5-74)
ton 131 nos





Health, Safety, and Environment Division

In Geotunnel, we have prime preference to Health, Safety and security for all employees. All employees at each level embrace a culture of safety to effectively manage all operational risks and to strive our zero harm Policy.

We have a planned and systematic approach in implementing safety and Health Policy through an effective HSE Management system. Geotunnel occupational, Safety and Health compliance with the OSH requirements that pursuant to Qatar national Laws and International regulations. It is our teams full responsibly to execute, Complete and handover all Project by achieving the target "Zero Harm". We are a company that puts the highest value on 'human' and creates a better place for life with a united mind with customers, grows together with all stakeholders and contributes to society, creating a more advanced and safe tomorrow.

Geotunnel are committed for the complete compliance with international regulations (i.e., ISO45001:2018 & ISO 14001:2015)

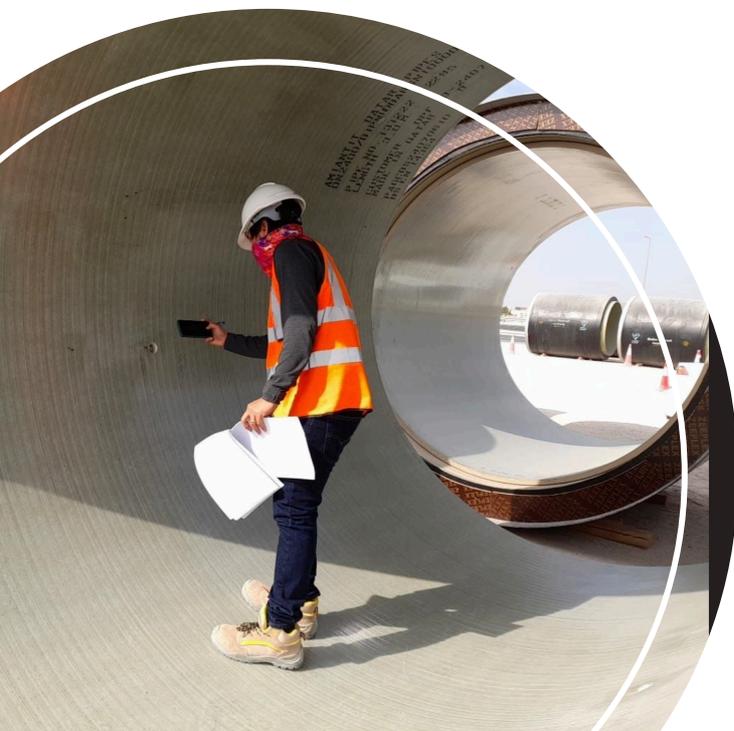


Quality Division

For Geotunnel, quality is of paramount importance. Company has a dedicated quality control team on each of its project which controls and works with company construction crews to deliver snag-free infrastructure assets.

Geotunnel nurtures a quality culture within its ranks guided by the creed “doing it right the first time”. Geotunnel takes quality control very seriously, in line with Government Roads and Highway’s increased quality expectations from Contractors.

As a grade A Contractor for drainage and roads infrastructure projects, in the landscape of specialized infrastructure companies, Geotunnel is distinguished by Projects completed with minimum or no delays which are at the same time to fullest satisfaction of the client in terms of workmanship and reliability of delivered assets.



Welfare Division

We value our people and specially our workforce and we see to it that everyone is at ease in every work environment. In this kind of business, we know that when you support your people, your people will support you.

Geotunnel sees to it that our workers are always in good comfort, we make sure that our welfare is as per standard requirements. We provide them healthy food, good accomodation with full amenities such as a gym, a mess hall, etc.

Also, we follow health protocols and we see to it that we are free from infectious diseases such as COVID 19.



Project Overview

Our success shows with the numbers of our project successfully accomplished. We see to it that everything is still after our customer's satisfaction, On-time project completion, 100% safe manhours, and zero defects during handover.

66

**Drainage
Projects**

28

**Road
Projects**

49

Microtunneling Projects
Quantity Made: 120 KM

10

**Geotechnical
Projects**

4

**Pipeline & Rehabilitation
Projects**

Major Projects

Client: Public Works Authority

Project: **Roads and Infrastructure in Doha Industrial Area (Package 01)**

Amount: 1.37 Billion QAR

Date Started: 2014

Project Description:

The project aims to redesign and upgrade the existing roads network and infrastructure services, and to construct and rehabilitate all roads included in the packages:

- Construction of essential improvements to the surface and ground water drainage system, in addition to the efficient sewage system.
- The project provides a safer roads network and better traffic flow through upgrading roads, providing signal-controlled intersections, pedestrians and cyclists paths, street lighting, in addition to landscaping and beautification.
- Also consists of Construction of CC pipeline with PVC or GRP lining by Micro tunneling process, internal diameter ranges from 600mm to 3000mm, with all required civil works including boring, jacking, supply of pipes, including design and construction of temporary and permanent access shafts with false walls where required, access chambers etc.
- The works done, but are not limited to the following:

Earthworks:	1,428,650m ³
Road:	60 KM
Traffic Signs:	2,175 nos.
Boundary Walls:	45,500 LM
Street Lighting Columns:	1578 nos.
Traffic Signal – Vehicular & Pedestrian:	42 Sets
HV, MV & LV Cables:	24000 LM
Substation:	8 nos.
Substation Ducting:	15,100m
Telecom Manholes:	1,133 nos.
Telecom Ducting:	167,000m
Stormwater Network:	97,800 LM
Microtunneling (ID600mm – ID3000mm):	13,237 LM
TSE Network:	15,250 LM
Foul Sewerage Network:	41,000 LM
Water Supply Pipes:	11,600 LM



Client: Public Works Authority

Project: **Design and Construction of IDRIS Lateral Interceptor Sewers (Contract LIS-01)**

Amount: QAR 1.042 Billion

Date Started: 2016

Project Description:

The contract LIS-01 is a part of the package 1 “Lateral Interceptor Sewers” under the Inner Doha Resewerage Implementation Strategy (IDRIS) Programme as a world class solution developed by the Authority to upgrade and expand the sewerage infrastructure in order to accommodate the project population growth for an additional 1 million people in Doha’s oldest area – south catchment (around 680 km²). The IDRIS scheme is comprised of a number of Lateral Interceptor Sewers (LIS) that will be used to intercept flows in the existing high-level system and transfer them to into a new deep-trunk sewer; thereby, relieving the existing overloaded system.

The LIS-01 site location is in Central Doha (within Doha South). The site is a highly developed urban area with relatively flat topography ranging from (+3.9m to (+)15.3m above the Qatar National Height Datum (QNHD).

The alignments typically follow existing roadways and will cross a number of existing and proposed utilities.

The Works comprises the design, construction, testing, commissioning and handing over the following:

- Sewer line (sizes from ID300mm to ID2000mm using micro tunnelling method): 23.9 Km
- Diversion Chambers: 170 nos.



Client: Public Works Authority

Project: **Roads and Infrastructure in Al Ebb and Leabaib – Package 01**

Amount: QAR 645.55 Million

Date Started: 2019

Project Description:

The DN099 Al Ebb and Leabaib – Package 01 scheme is located approximately within Zone 70 of Qatar Area Referencing System (QARS), approximately 11.8km North-West of the centre of Doha, on the Eastern side of Al Shamal Road. The Project covers an area of approximately 243.60 ha.

The main objective of this Project is to provide full infrastructure to the project area, including improvements of roads, surface water network, foul sewer, landscape and TSE, and other required utilities.

General Scope of Works includes the following:

Roads:	26 KM
Landscape:	25,909 m ²
Treated Sewage Effluent (TSE):	14.538 Km
Street Lighting:	8.091 Km
Telecommunication:	14.300 Km
Electricity Cables LV & MV:	15.330 Km
Water Mains Plot Connections:	8.236 Km
Surface Water Pipelines laid by Micro tunneling:	5 Km
Surface Water Pipelines laid in Open Trenches:	22.295 Km
Foul Water Pipelines laid by Micro tunneling:	4.9 Km
Foul Water Pipelines laid in Open Trenches:	19.565 Km



Client: Public Works Authority

Project: **Design and Build Contract for Wakra and Wukair Drainage Network**

Amount: QAR 399.8 Million

Date Started: 2020

Project Description:

Design, procurement, construction, testing, commissioning, completion and defects correction of the two interceptors from Wakra-Wukair and the Industrial Area which both connect to the Drainage Tunnel (DT) at shaft WS07, associated access shafts and hydraulic connections.

Geotunnel made the deepest Shaft for Micro tunneling works with this project, having a depth of 48 Meters.



Client: Public Works Authority

Project: **DB Contract for FRP 4 for Surface and Groundwater Network at Al Sadd and Al Nasr**

Amount: QAR 373.4 Million

Date Started: 2019

Project Description:

The Works include the design, procurement, construction, testing, commissioning, completion and defects correction. The scope entails Foul Sewer scope of work is to rehabilitate/construct a trunk sewer network in Al Sadd, integrate the proposed sewer network with the existing foul sewer network, upgrade the existing undersized/surcharging sewers, and construct proposed /existing house connections along the proposed network sewers.in Zone 38 and 39 and additional SW Networks, FS Networks, micro-tunneling works, road works, street lighting, and hard landscape in Zone 27

General Scope of Works includes the following:

Roads:	203,128.00 m ²
Interlock:	186,744 m ²
Kerbs:	60,365 LM
Street Lighting Cable:	23,419 LM
Street Light Pole:	607 nos.
LV &MV Cable Relocated:	1,052 LM
Foul Sewer Network:	9,116 LM
House Connection:	507 nos.
Foul Sewer Manhole:	337 nos.
Surface Water Network:	20,501 LM
Surface Water Manholes:	415 nos.
Surface Water Gullies:	2,037 nos.



Client: Public Works Authority

Project: **Implementation of Roadside ITS (Contract No.: C/2018/127)**

Amount: QAR 340.1 Million

Date Started: 2018

Project Description:

The project is for the Design and Build of Intelligent Transportation System (ITS) to an approximate length of Seventy-Five (75) km across 8 (eight) expressways and existing roadways. The scope of work includes survey, design, construction, proof of performance tests, integration to the Ashghal control center, commissioning and maintenance of intelligent transport system across the specified 8 roadway schemes. When completed, the project shall form of an integrated, comprehensive and fully operational ITS technology solution for the State of Qatar and will act as a critical element of the State's transportation services.

Major scope of works includes the design, construction, completion and maintenance of the below items with all necessary civil, structural, electrical and instrumentation works:

ITS Truss Gantries and Cantilever Gantries:	169 nos.
HDPE Ducts:	30,283.00 m
IC/DC Chamber:	500 nos.
Feeder Pillar:	156 nos.
Ground Mounted Enclosures:	249 nos.
Camera Poles:	248 nos.
Lane Control Signs (LCS) :	778 nos.
Smart Micro Radar:	334 nos.
License Plate Reader (LPR) :	226 nos.
PTZ/CCTV Cameras:	140 nos.
Dynamic Message Signs (DMS & SDMS) :	120 nos.
Other ITS devices such as automatic incident detection (AID), Weigh in Motion (WIM), Over height Vehicle Detection System (OVDS) etc.	



Client: Public Works Authority
Project: **Catchment Zone Framework**

Amount: Work Order Basis
Project Description:

Date Started: 2020

- Daily operation of the CSI
- Performing planned preventative, predictive and corrective maintenance, overhauling, mandatory control and certification of equipment, RRRU or enhancement of the site and associated systems of the CSI
- Development and consolidation of a systematic preventative maintenance programme and schedule, specific to daily operational continuity of Authority's Assets, as derived from the asset register
- Maintenance of Dormant Assets
- O&M of local SCADA, PLCs and associated field instruments connected to the RTU Telemetry
- Control Panel
- Customer complaints response and permit management
- First response, Emergency response and incident management
- Water quality monitoring, sampling, testing and reporting
- Maintaining stock of spare parts, chemicals and consumables
- Network leakage and infiltration management
- Data reporting including GIS, asset tagging, asset register, condition assessments and updating of O&M manuals
- Cleaning and inspection of CSI assets
- Screening & Sludge handling and distribution
- TW distribution and related services in line with defined service levels
- Enactment of Value Engineering analysis on aged assets with respect to lifecycle cost/routine maintenance comparatives, in collaboration with the Authority
- Completing of reports and records throughout the term of the Work Order as instructed by the Authority
- Taking over and snagging any new assets/transferred assets from the Authority
- Enactment of life cycle cost analysis specific to the asset register, for Authority's review
- Rainy season response
- Root cause analysis of any incident fully documented and reported



Let's
Work
Together!

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