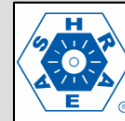


WATER SYSTEMS
CONVEYANCE LINES, PUMP STATIONS, TREATMENT PLANTS



- *Founded in 1987*
- *Multidisciplined firm*
- *All in house design*
- *More than 300 projects in 12 different countries*
- *Excellent Professional Track Record*
- *Familiarity to International Codes*

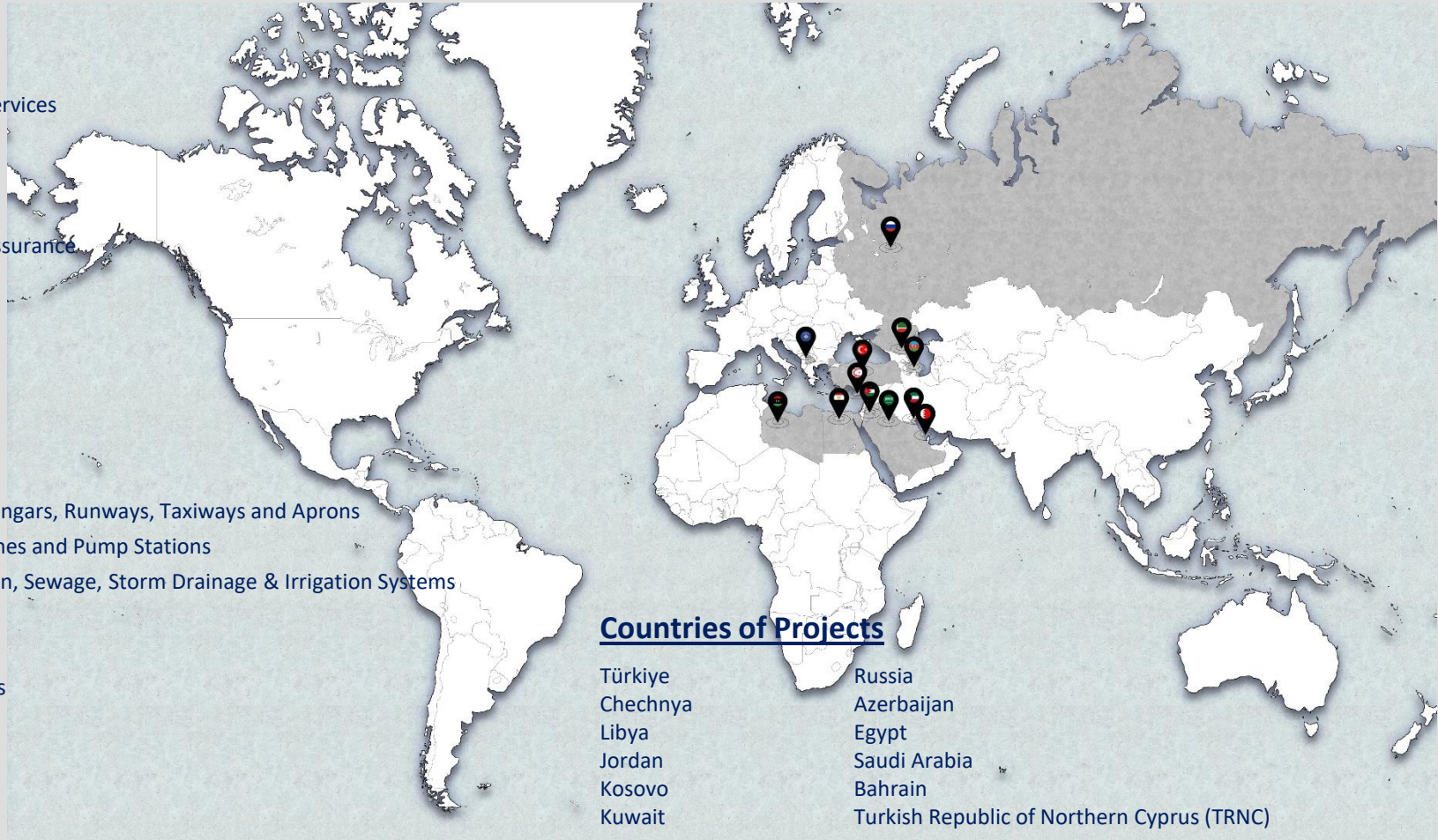


Services rendered by TMA;

- Feasibility Studies
- Engineering and Architectural Design Services
- Technical Consultancy Services
- Due Diligence Services
- Structural Assessment Services
- Construction Management & Quality Assurance
- DOR (Designer of Record) Services
- Energy Efficiency Surveys
- Testing and Commissioning Services
- Value Engineering Services

Fields of Services;

- Roads, Bridges and Viaducts
- Airport Facilities, Terminal Buildings, Hangars, Runways, Taxiways and Aprons
- Hydraulic Design, Water Conveyance Lines and Pump Stations
- Infrastructure Design, Water Distribution, Sewage, Storm Drainage & Irrigation Systems
- Industrial Facilities
- Military Facilities
- Commercial Buildings, Shopping Centers
- Housing, Hotels and Holiday Villages
- Power Generation and Transmission
- Hospitals
- Fire Engineering



Roketsan, Turkey



USACE, Germany

Metis, Turkey



US Embassy, Ankara / Adana

Taşyapı, Turkey



AAFES, Germany



TC MSB, Turkey

USAF, Turkey



ANC, Libya

Aytekin-Serol, Turkey



DSİ, Turkey

Proctor & Gamble, Russia



Relyant Global, USA

GAMA, Turkey



ERMA, Libya

ANE, Libya



MMRA, Libya

AFCEC, USA



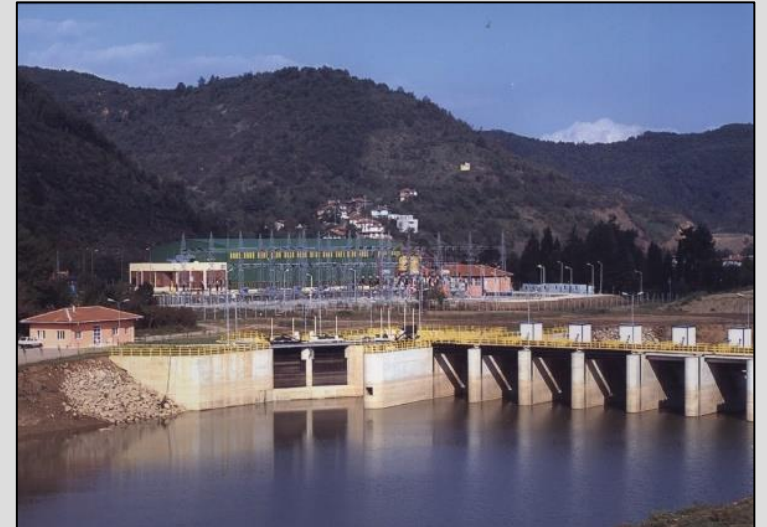
SWCC, Saudi Arabia

Limak, Turkey & International Branches



Eldorado Gold/Hatch, Canada

The work carried out included the design of a complete pump station to deliver 0.2 and 12.0 m³/second of water from the Isaköy regulator located within İstanbul Province in Anatolia side; the surge tower, and twin 2500 mm diameter suction pipes and the hydraulic design calculations of 2000 mm diameter of conveyance line.





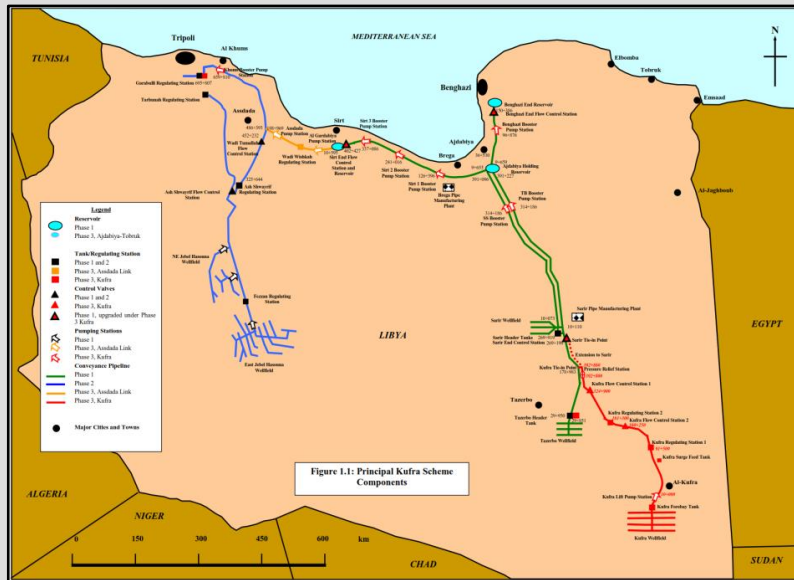
mühendislik ltd.

Man Made River Project, TAZ Conveyance System Pump Stations, Libya

The project includes complete design of two pump stations on the Tarhunah to Abu Zeyyan Conveyance System of the Man-made River Project in Libya. Each pump station designed for a capacity of 800,000 m³/day, consists of a Pump House with 8 pumps of 16,800 m³/h capacity each, Generator Building, Compressor Building, Personnel Quarter, Security Building, Workshop, Inlet and Outlet Isolation Valve Chambers, roads and hardstands, galleries, buried services, and perimeter fencing with landscaping design.



The Kufra Scheme will provide an additional 1.68 MCMD of water from a new well field in the Kufra Basin in the south-east of Libya. Design capacities of the pumping stations vary from 1.68 to 3.5 MCMD. The Scheme includes a new Kufra well field, Kufra Pump Station and conveyance pipeline.



Man Made River Project, Pump Stations at SIRT “END” and SIRT “B” Reservoirs, Libya

For the Sirt Area agricultural development, Sirt “END” and Sirt “B” pump stations provide water to the farms from the “Al Gardabia” and “Grand Al Gardabia” Reservoirs. Two sets of pumps installed in each pump house in order to meet the varying duty requirements for the large and small farms. Each set consists of four duty pumps with two on standby.

Project includes detail design, consultancy and engineering supervision during construction for the pump houses, inlet and outlet surge vessels, screen chamber, valve chambers, generator and compressor buildings and infrastructure works.



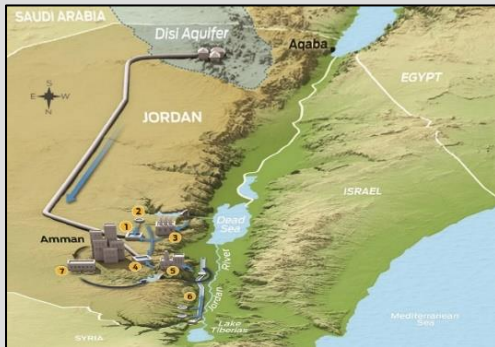


The work includes the design of a complete water treatment plant to provide 720 000 m³ per day of potable water for Istanbul. The water treatment works comprise the process plan and associated buildings. Process design was developed by EMIT, Italy.



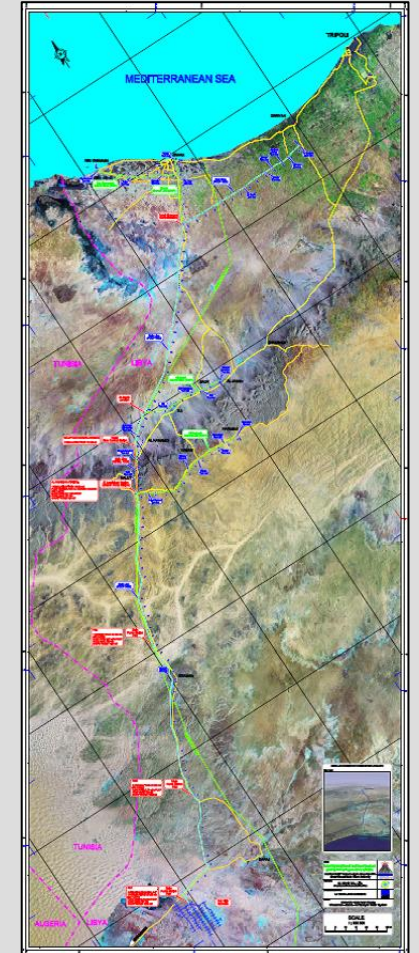
DISI-Mudawarra to Amman Water Conveyance System, Jordan

DISI - Mudawarra to Amman Water Conveyance Project is designed and constructed to supply potable water to the Greater Amman Area from the Disi aquifer in the south of Jordan. The system conveys an annual flow of 100 million cubic meters (MCM); 40 MCM to Amman City. TMA performed second phase of detail design services in this project.



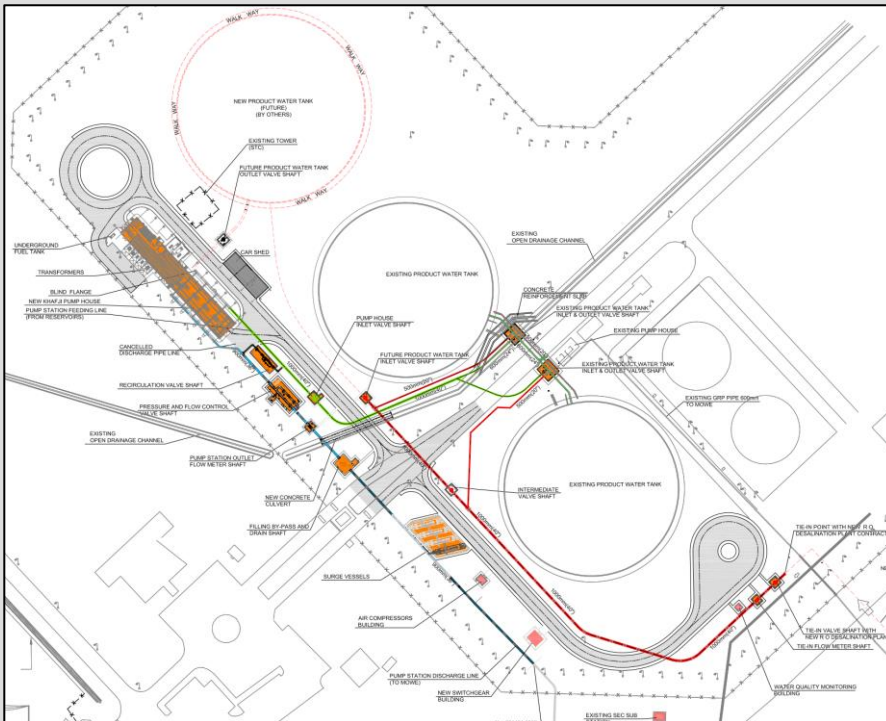
Ghadames-Zwara-Az Zawiyah Water System; Libya

The system includes 4 pumping stations and supplies through 26 Turn-out Stations a maximum discharge of 2.88 m³/s of water to the western region of Libya. TMA completed the Civil-Structural and Architectural detail design of this project as subcontractor to ILF.

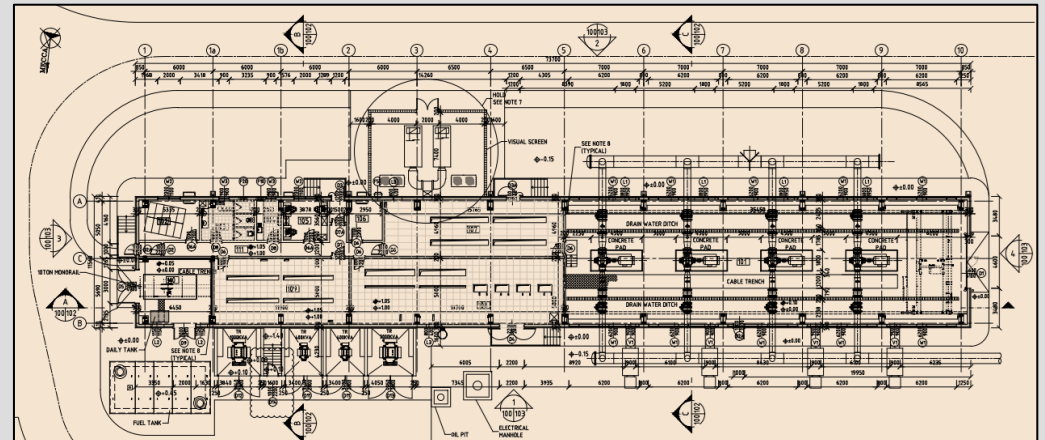


Al Khafji New City Feeder Water Transmission System, Al Khafji, Kingdom of Saudi Arabia

The project has the main objective of providing an adequate supply of potable water services to the resident population of Al Khafji Area. The design capacity of the new Pipeline System shall be 60,000 m3/day at the first stage and 100,000 m3/day at the final stage.



TMA, have studied the tender design scheme and elaborated the design to satisfy the actual needs of the project.
The design period was completed in 2019. Construction of the project has been suspended due to pandemic, and construction has been restarted and completed recently.





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