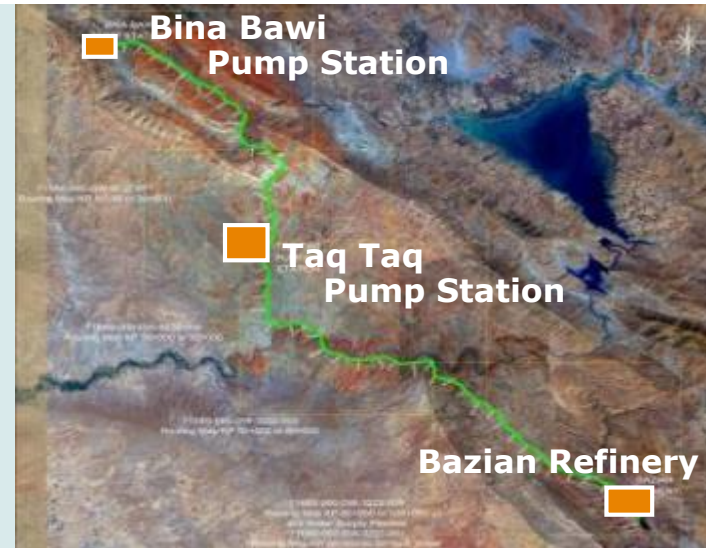


Crude Oil Supply Pipeline – Northern Iraq

Basic FEED Package incl. route selection with tight execution schedule

- **Client:** Qaiwan Group, Iraq
- **Contractual scheme:** Services (LS)
- **Scope:**
 - Conceptual Design & Basic FEED:
 - Route selection and optimization
 - Hydraulic simulation
 - Designing of pipeline system for throughput of 120TBBLCD
 - Design of Pump stations Taq Taq & Bina Bawi



Technical Details

Type	Crude Oil Pipeline System
Medium	Crude Oil, API Gravity 48.27/41.91
Diameter / Length	18" / 120 km
Pump station Taq Taq	1 st Phase: 55.000 bpd
Pump station Bina Bawi	2 nd Phase; 45.000 bpd + Raw water pipeline incl. pumping station 500m ³ /h