
**Challenges**
- Integrate state-of-the-art Telecommunication, Security and Safety System solutions for 48-inch diameter oil pipeline designed to transport 3.5m barrels per day (bpd) of crude oil over a distance of 380 km from Habshan oil fields located in the interior of the Emirate of Abu Dhabi through the deserts and mountains to the Emirate of Fujairah.
- High availability and reliability of real time data on a 24/7 basis to ensure safe and efficient operations of the oil pipeline.

**Solutions**
- Efficient project execution from design to commissioning for a reliable integrated telecom infrastructure fitted for rugged-critical oil pipeline environment.
- Partnered with world leading telecom equipment manufacturers to deliver highly qualified end-to-end solutions easy to operate and maintain remotely from a central location.
- 3W Networks is based in the United Arab Emirates providing local expertise for a reliable project implementation and immediate support.

**Benefits**
- Modern and steadfast Integrated Control and Safety Systems (ICSS) and Telecom solutions for a groundbreaking and unique oil pipeline development in the oil and gas sector.
- Substantial local presence with a Technical Assistance Center operational 24/7 for customer support minimizes communications breakdown on the oil pipeline.
- The pipeline reduce marine traffic congestion at the Strait of Hormuz, saving up to three days of journey and strengthen security of oil export supply of the United Arab Emirates to the global energy markets.