



FENOQ NIGERIA LIMITED

Continuous
Horizontal
Directional
Drilling (CHDD)
Capability





FENOG NIGERIA LIMITED

Fenog is an independent Engineering company, specialized in Project Management, Engineering Design, Procurement, Installation and Construction projects. We offer services to the oil and gas industry, corporate organizations and government agencies.

Fenog was formed in 1992 and currently has an experienced workforce who are expert in their fields and have a track record of safely and efficiently executing complex projects. Our corporate headquarter is based in Warri, Nigeria.

- Founded in 1992
- 100% Indigenous engineering and construction company
- Corporate Headquarters: Warri, Delta State, Nigeria



Current Challenges with Conventional Pipeline Installation:

- Because of the burial depth (typ. 1 – 1.5m) it is susceptible to vandalism and illegal bunkering leading to huge financial losses and environmental degradation
- Swampy terrain can make traditional open cut method more challenging to construct because:
 - Most swampy terrain can have significant river crossing and creeks
 - The high water level can result in Flotation/buoyancy of pipeline resulting in the need for concrete coating
 - Difficulty of constructing trenches in swamps and usually has a higher cost implication.

Benefits of Continuous HDD

In the Niger Delta, illegal bunkering activities have led to the attack on traditional open-cut pipeline installations resulting in enormous financial losses, environmental degradation and damage to oil company facilities and Nigeria in General.

With a vision to finding a better way to enhancing the pipeline security and reducing operating cost Fenog has developed a unique concept of installation of pipeline.

This concept, known as Continuous Horizontal Directional Drilling (CHDD), allows installation of pipelines to depth up to 45meters and hence ensures that the pipeline are out of reach of illegal bunkering activities.

Horizontal Directional Drilling

Key Facts:

- World leading CHDD expert
- Fenog Nigeria limited is one of the largest directional drilling contractors in Africa
- Own small, mid-sized and large drilling rigs
- Capabilities of up to 500 tonne of pullback
- Ability to install pipe up to 60 inches in diameter
- Completed record breaking crossings
- Capability in marine HDD shore approaches and water to water crossings



