

# Heritage Produced Water Treatment Project – Phase 1

## Client

Heritage Energy and Oil Services Limited (HEOSL)

## Services

DED

## Facilities

Ughelli Pumping Station  
Afiesere Flow Station  
Eriemu Flow Station

## Safety Record

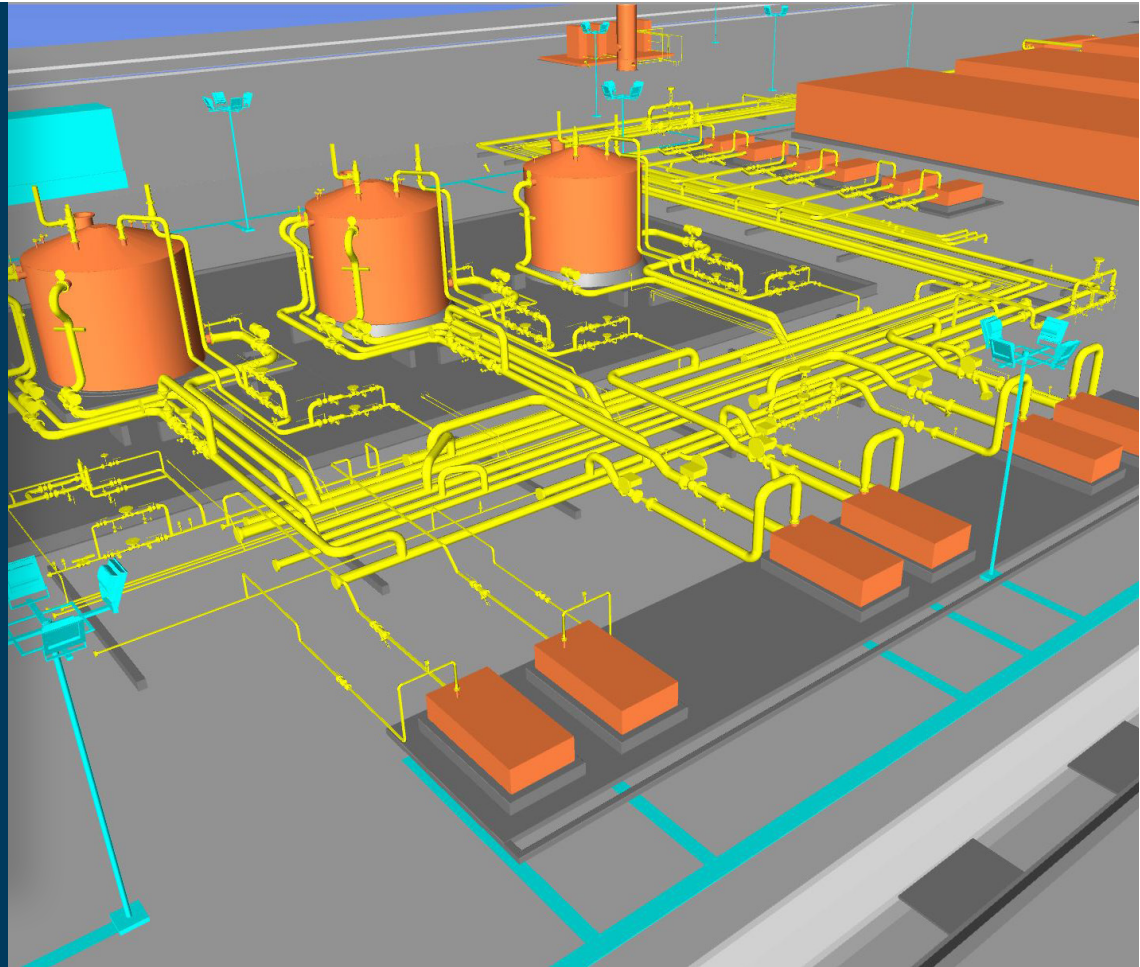
■ Zero LTI

## Man-hours

15, 542

## Status

Completed



## Introduction

Ariosh on behalf of HEOSL embarked on the Detailed Engineering Design of the Produced Water Treatment and Crude Oil Dehydration Upgrade which covers three (3) of their facilities namely Ughelli Pumping Station (UPS), Afiesere and Eriemu to an increased injection capacity of 200,000BPD.

## Project Scope

Detailed Engineering Design (DED) of the following equipment and systems:

- Treated Water, Slop Oil and Two (2) Balance Tanks
- Three (3) 25,000 BPD Trains of Produced Water Treatment Systems
- Treated Water Tank
- Slop Oil Tank and Pump
- Treated Water Booster Pumps
- Chemical Injection Facilities.
- Compressed Air System
- Treated Water Filter System
- Water Injection Pumps and Manifold.
- 13.4 km pipeline between UPS and Eriemu
- 6Km Pipeline Eriemu and Afiesere that transfers treated water.
- 1km Pipelines from Afiesere to Afie 19 Water Injection Wells designed for
- 100,000 BPD Capacity.
- A Pig Receiver at the end of Eriemu to Afiesere Pipeline.
- A pig launcher at the start of Eriemu to Afiesere
- Power Generation System at UPS

**Project Status:** The project is Completed.