

## Replacement of buried pipelines in Storex area

Customer: ADMA OPCO

### Services Provided

- EPC
- Detailed design
- Piping work
- Civil work
- Electrical and instrumentation works
- DCS

### Benefits to Customer

- Costain was one of the original contractors that helped establish the oil and gas facilities on Das Island
- Vast expertise in the oil and gas sector
- Detailed work packages provided with total transparency
- Complete team integration with customer
- Provision of strict schedules to minimise disturbance to the active plant

### Background

Das Island is approximately 120km from Abu Dhabi and is the main gathering location for several offshore oil & gas fields. The majority of Abu Dhabi's hydrocarbon wealth flows through Das. The customer required the replacement of a vast area of under/above ground cargo piping - 18" to 48" pipework, the majority of which being underground. Much of Storex pipe work is over 35 years old and was leaking.

Fifty discrete work packages were developed enabling the customer to continue production and export capability during the project. Costain was well positioned to undertake this large project due to the level of experience staff and management have on Das Island. Technical expertise and concise management were fundamental to minimise disruption to the active plant.

### Project Description

The replacement works consisted of:

- Topographic Survey and Mapping of underground services - 20,000 M2.
- Hand excavation of approx. 75,000 M3 of soil.
- Handling and removal of contaminated water and soil from Das Island.
- Demolition and existing buried pipe work of approx. 4.5 kms.
- Demolition of existing above ground buried pipework of approx. 3.5 kms.
- Protection cover for adjacent existing buried pipework of approx. 6.5 kms.
- Installation of new buried pipework of approx 5.5 kms.
- Installation of new above ground pipework of approx 6 kms.
- Construction of new bund crossings through sleeves at 9 locations.
- Construction of new road crossing at approx 35 locations.
- Construction of 1 new Concrete Box culvert.
- Installation of 32 new MOVs, converting 2 existing manual valves to MOVs & relocating 5 existing MOVs.