



Jazan Refinery & IGCC Power Plant

Saudi Arabia



Project

A new refinery with an associated marine terminal has been built in Jazan, a remote Red Sea city in southwest Saudi Arabia. The refinery has a capacity to produce 400,000 barrels of oil a day. The project has multiple vacuum distillation units and crude distillation units, flare towers, storage tanks, pipelines and an oil export terminal on the Red Sea. The facility is configured to handle heavy and sweet crudes and there is potential to integrate petrochemical and power elements. The product slate includes two grades of petrol, fuel oil, liquid petroleum gas (LPG) and bitumen.

The plant will feed energy into the national energy grid, but will also supply energy for the Jazan refinery, the port and the IGCC power plant. The plant will also include a sulphur recovery unit and a fuel gas de-sulphurisation unit.

Heat-Flex™ Hi-Temp 1200 as specified by Saudi Aramco under APCS 11C was supplied to various EPC'S and subcontractors for the high temperature (above 450°C) insulated pipe work on the Jazan combined refinery and IGCC power plant project which is due for completion in late 2017.

Substrate: Carbon Steel, blast cleaned to Sa 2½.

Requirements: High Temperature CUI Service (450°C-650°C).

Specifications: Heat-Flex™ Hi-Temp 1200 two coats at 125-150µm DFT.

Area coated: Approx. 100,000 litres to pipes and spools up to 56" diameter.

Client: Saudi Aramco.

Main contractor: SK Engineering, JGC/Dawoo.

Consultant engineer: N/A.

System

Product

Heat-Flex™ Hi-Temp 1200
Heat-Flex™ Hi-Temp 1200

Aramco Specification

APCS 11C 125 - 150µm DFT
APCS 11C 125 - 150µm DFT

Product Type

Hi Temperature CUI.
Hi Temperature CUI.



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