



CORROSION PROTECTION FOR OIL AND GAS PIPELINES UNDER VERY HIGH TEMPERATURES

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.

CLIENT:
Saudi Aramco

MAIN CONTRACTOR:
SK Engineering, JGC/Dawoo

FROM SPEC TO PROTECT
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**SHERWIN
WILLIAMS®**

JAZAN REFINERY AND IGCC POWER PLANT, SAUDI ARABIA



SOLUTION

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.

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 125-150 um dft.

AREA COATED

Approx. 100,000 litres to pipes and spools up to 142 cm (56") diameter.

FEATURED SYSTEM

	Aramco specification	Product type
• Heat-Flex™ Hi-Temp 1200	APCS 11C 125 - 150 um dft	High temperature CUI
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THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

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