

Star Refinery Buildings

Map-ta-phut, Rayong, Thailand, 1994-1995



Client

Star Petroleum Refining Company (SPRC)

Main Contractor

JGC Corporation

Design & Construction by

Christiani & Nielsen (Thai) PCL as subcontractor to JGC Corporation

Technical Data

Design & construct structural, architectural & M&E works to more than 50 No. buildings including the Central Control Building, Laboratory, Maintenance/Warehouse, 11 No. substations, 7 No. Operator Shelters & 34 No. small buildings. Total area of buildings 16,672 sq.m.

Introduction

Thailand's fifth oil refinery, SPRC Refinery, a US\$ 1.7 billion venture between US oil group Caltex Petroleum Corporation and the Petroleum Authority of Thailand (PTT), is located on 1,250 rai of land in Map-ta-phut, Rayong.

The first time Thailand is self-sufficient in an oil

Introduction (continued)

refining capacity, the SPRC Refinery adds 130,000 barrels/day of oil products to the local Thai market and has the capacity to produce a full range of refined fuel products including LPG, unleaded petrol, low sulphur diesel and fuel oil. It also produces high quality petrochemical feedstocks such as polymer grade propylene and naphtha.

The turn-key contract for the oil refinery was awarded to JGC Corporation of Japan and in February 1994, Christiani & Nielsen (Thai) PCL was awarded the subcontract for the design and construction of over 50 No. high quality, state-of-the-art buildings, including the fitting-out of the specialist world-class Central Control Building. Construction of the buildings was carried out over a period of 22 months and the contract was completed on schedule in December 1995. Christiani & Nielsen's fast-track design and construct approach was essential in JGC Corporation's completion of the refinery several months earlier than originally anticipated by SPRC.

Date of Commencement:

February 1994

Date of Completion:

August 1996



CHRISTIANI & NIELSEN