

Title: Borouge 2 Project – Abu Dhabi UAE

Date: 2007-2008

Scope: Technical Support

Location:

About Técnicas Reunidas:

TÉCNICAS REUNIDAS, TR, is an internationally operational, general contractor dedicated to the engineering, design and construction of all types of industrial facilities for a wide spectrum of clients from all over the world that includes many of the main state oil companies (National Oil Companies or NOCs) and multinationals, as well as large Spanish groups.

Executive Summary:

Complex at Ruwais Industrial Complex, Abu Dhabi, UAE, by Abu Dhabi Polymers Company Limited.

The project consisted in the expansion of the existing facilities and additional facilities to produce polypropylene. The expansion was designed to increase polyolefin production threefold.

Vepica participated in the detailed design together with Tecnicas Reunidas, including process, mechanical, piping, civil, electrical and instrumentation engineering at TR's offices in Madrid, Spain.

The complete Borouge 2 Project consists of the following:

- An Ethylene Unit using 5,100 T/D of ethane and producing ethylene, propylene and hydrogen
- An Olefin Conversion Unit producing propylene (752,000 T/Y) and butene-1 co-monomer (39,000 T/Y)
- Two Borstar (400,000 T/Y) Polypropylene Units for production of homo-polymers, block copolymers and random copolymers
- A Borstar (540,000 T/Y) Polyethylene Unit for production of linear low density (LLD) and high density (HD) polyethylene
- Utilities & Offsite to support the expansion, new buildings, marine jetty, off-shore channel dredging and external interconnections