

New Continuous Polyester Plant, Thailand Engineering, Procurement, Construction



Client

ASIAPET (Thailand) Ltd.

Project Name

New Continuous Polyester Plant
Lopburi, Thailand

Services Provider

Pöyry Energy Limited

Services

Turnkey Contractor providing the following EPC services:

- Project Management
- Detail engineering and design for civil, structural, architectural, mechanical and electrical utilities
- Complete erection of all process and utility equipment incl. all silos, vessels, piping and instrumentation
- Complete supply, installation and commissioning of E&I equipment, instruments, cabling and controls
- Construction supervision and management including safety on the site and custom clearance for off-shore scope of supply

Execution Period

Start August 2001
End January 2003

Project Description

The ASIAPET Continuous Polyester Plant is located in Lopburi province, Thailand. The new plant is constructed on open ground next to an existing production and storage facility. The completed plant will produce 240 tones per day for Bottle Grade Polyester Chips.

Particular Services

Pöyry Energy is the responsible onshore contractor for engineering design and construction services for the Balance of Plant and Process Plant Erection and Commissioning. It also includes all civil works. The process equipment is supplied by Lurgi-Zimmer of Germany.

General Technical Data

Civil Works

- Piling, foundations, roads, site drainage and landscaping
- Four story Process Building with approx. 3,000 m² total area
- 1,500m² Warehouse – chips & raw material storage
- Utility Building, area approx. 1,000 m²

Utility Systems

- Compressed air system
- Material handling system
- Chilled Water, Demin, Waste water etc.

Other Facilities

- Storage silo's and tanks
- 22 kV Electrical System
- Emergency Diesel Generators