

A.T. Biopower Power Plant Thailand Engineering, Procurement, Construction



Project Description

A.T. Biopower Co. Ltd. intends to construct a rice husk fuelled power plant in Pichit province. With a power production capacity of approximately 22 MWe (gross), the power plant shall comprise of one power block consisting of one biomass fired boiler, a single condensing Steam Turbine and a Generator, and all necessary auxiliary equipment associated with this type of plant.

The Power Plant is required to utilize the available rice husk supplied by A.T. Biopower Co. Ltd. as fuel, and will supply power to the Electricity Generating Authority of Thailand (EGAT) under EGAT's Small Power Producer (SPP) Program.

The major investors of A.T. Biopower are Chubu Electric Co., Ltd. Al Tayyar Energy, a Dubai-based renewable energy equity fund, and Flagship Asia Co. Ltd., a Labuan-based (Malaysia) renewable energy development company.

Client

A.T. Biopower Co., Ltd.

Project Name

20 MW Rice Husk-Fuelled Power Plants, located at Pichit Province, Thailand

Services Provider

Pöyry Energy Limited

Services

Turnkey contractor providing the following EPC services:

- Overall Project Management
- Detailed Design: Boiler Plant (in association with McBurney), Balance of Plant, Electrical Installations, Civil Works
- Process Engineering and Technical Integration
- Civil, Structural and Architectural Works
- Procurement of all mechanical equipment, entire Electrical System, Instrumentation and Control System
- Erection and Installation, Commissioning and Performance Testing of the complete power plant

Execution Period

Start December 2003
End December 2005