

Ca Mau 720 MW Combined Cycle Power Plant Project Vietnam Consulting Engineering Services

**Client**

PetroVietnam, Vietnam

Project name

Ca Mau 720 MW Gas-fired Combined Cycle Power Plant

Services Provider

Pöyry Energy Ltd. in consortium with local Power Engineering Consulting Company no. 2.

Services

Pre-EPC Services and Project Management Consultant Services implementation, comprising:

- Additional soil investigation
- Review of feasibility study
- Preparation of conceptual design and definite design
- Cost Estimation
- Preparation of specifications and EPC requirement dossier
- Evaluation of EPC proposal
- EPC contract negotiation
- Review of design of suppliers and contractors
- Supervision of site development and construction, installation, commissioning and testing

Execution Period

Start 2003
End 2007

Project Description

PetroVietnam, Vietnam's state-owned oil and gas company, is the owner of Ca Mau Gas-Power-Fertilizer Complex to be developed in Ca Mau Province, southern Vietnam. A 720 MW gas-fired combined cycle power plant will form an integral part of the Complex. In June 2003, PetroVietnam appointed Pöyry Energy to provide consulting engineering services to its Ca Mau combined cycle power plant. The power plant comprises two F-technology gas turbine generator units, each with a capacity of about 240 MW, two heat recovery steam

generators and one steam turbine generator unit, with all associated auxiliary equipment and support facilities. The gas turbine units shall be capable to use natural gas or fuel oil. The plant will utilize natural gas from PM3-CAA and Cai Nuoc fields, located in overlapping marine areas between Malaysia and Vietnam. In case of shortage or interruption of natural gas supply, distillate oil shall be used as stand-by fuel.

The Ca Mau project is one of the largest power projects in Vietnam.