

Establishing a new relationship

Brunei LNG

November 2004 marked the start of a relationship with a new client for Foster Wheeler, Brunei LNG Sendirian Berhad (BLNG). We were awarded the basic engineering design and EPC phases for a power plant at our client's LNG liquefaction complex at Lumut, Brunei Darussalam. Subsequently, our Singapore operation was also awarded the EPC phase for the cooling water system rejuvenation project in July 2005.

Key strategic projects

These two projects are two of the key projects included in BLNG's Asset Reference Plan. This plan details BLNG's strategy to extend the life of the existing LNG facility for another 30 years, through various rejuvenation projects, with the objective of ensuring a long-term, reliable supply of LNG to its customers.

Power project

The scope of the power project encompasses a new 45 MW combined-cycle power plant to replace part of the existing steam turbine generators which are approaching the end of their respective life cycles.

Cooling water

The cooling water project includes the refurbishment of 35 existing cross-flow cooling towers and the replacement of 13 cooling water pumps and all associated civil, piping, instrumentation and electrical works.

Five new counter-flow cells will also be added to allow the existing cooling towers to be rejuvenated on-line.



Key objectives

BLNG identified a number of key synergies between the two projects, and therefore decided that they would best be implemented by the same EPC contractor.

Challenges

The project has an aggressive schedule and, due to the heavy revamp nature of the projects, a sizeable Foster Wheeler team was quickly mobilised in Brunei upon contract award. Capable local personnel were recruited from within Brunei.

A plant shutdown for two of the LNG trains was successfully completed in early June 2006. Both projects are targeting overall completion by end 2007.

"The successful and safe execution of the recent shutdown works is a culmination and demonstration of many months of planning and hard work by both FW and BLNG project teams, working as an integrated team, together with BLNG construction contractors. I am confident that we will continue with this spirit of co-operation and unblemished record in meeting our key milestones for both projects."

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BLNG Asset Reference Plan Projects