Project Description
EGCO, Electricity Generating Public Company Ltd., the first independent power producer in Thailand, invested in 2015 in a new cogeneration power plant in Klongluang (northern of Bangkok, Thailand). This plant will supply steam for the industries nearby, such as Teijin, a textile company.

The Klongluang combined cycle power plant comprises one block of two LM6000 gas turbines, producing steam to drive a steam turbine (2-2-1 block).

The Contract
In 2015, Toyo Thai Corporation Public Company Ltd (TTCL), in consortium with Mitsubishi Corporation Bangkok, awarded a contract to John Cockerill Energy for the supply of two boilers operating behind LM6000 gas turbines for the Klongluang power plant operated by EGCO.

The small boilers supplied by John Cockerill and destined for steam cogeneration were constructed with modular units, with a high level of prefabrication, which enables a quick and easy site erection.

John Cockerill’s scope of supply included both HRSGs and the common feedwater tank with boiler feedwater pumps.

Plant Operation
The Klongluang power plant is designed for base load.

Gas Turbines
- 2 LM6000
- Fuel: natural gas

Heat Recovery Steam Generator
- 2 horizontal John Cockerill HRSGs
- Double pressure
- Natural circulation

Performances

<table>
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Schedule
- Contract Award: August 2015
- Start (first) boiler erection: July 2016
- First firing: February 2017
- HRSGs ready for PAC: July 2017

Market for small HRSGs (gas turbines below 80 MW)
Under project specific conditions, John Cockerill Energy and its Indian licensee Larsen & Toubro (L&T) collaborate for small HRSGs associated with gas turbines below 80 MW in South East Asia and the Middle East.