

Klongluang (KLU)  
Thailand

**110 MW**



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# Klongluang (KLU), Thailand | 110 MW

## Small Horizontal HRSGs prefabricated in Modular Box Design

### 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

STEAM	°C	BarA	t/h
HP	437	44	46
LP	248	4	12

### Schedule

- Contract Award
- Start (first) boiler erection
- First firing
- HRSGs ready for PAC

August 2015  
July 2016  
February 2017  
July 2017



## CMI becomes John Cockerill

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### 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.