

SEMINAR TOPIC: Gas Turbine and HRSG Technology

28TH May 2018 at 4th floor

The Engineering Institute of Thailand. Under H.M. the King's Patronage

Abstract

Co-generation system or Combined Heat and Power (CHP) is already a proven and established way of energy saving system worldwide. Generally, by generating both electricity and heat (steam or chilled water) from single fuel (natural gas, LNG, ET), the system efficiency exceeds 80%. This Co-generation system has been helping industries with high usage of electricity and steam (types, food & beverage, textile, paper mill, oleochemicals, etc.) to save substantial operation cost, with also lesser environmental impact. One practicality worth mentioning is its high power density, typically around 7 to 16 kW per meter squared

In this seminar, the major components of Cogeneration system will be presented, namely Gas Turbine Generator (GTG) and Heat Recovery Steam Generator (HRSG). For Gas Turbine Generator, the manufacturing process and its maintenance will be briefly shared; whereas for HRSG, we will touch on topics on its manufacturing process, such as selection of tubes for GTG and Gas Engine Generator, the tubes installation process, and also we will talk about design of economizer to prevent FAC (Flow Accelerated Corrosion).

FREE!! 100 PERSONS

Professional Development Unit: PDU 6 unit

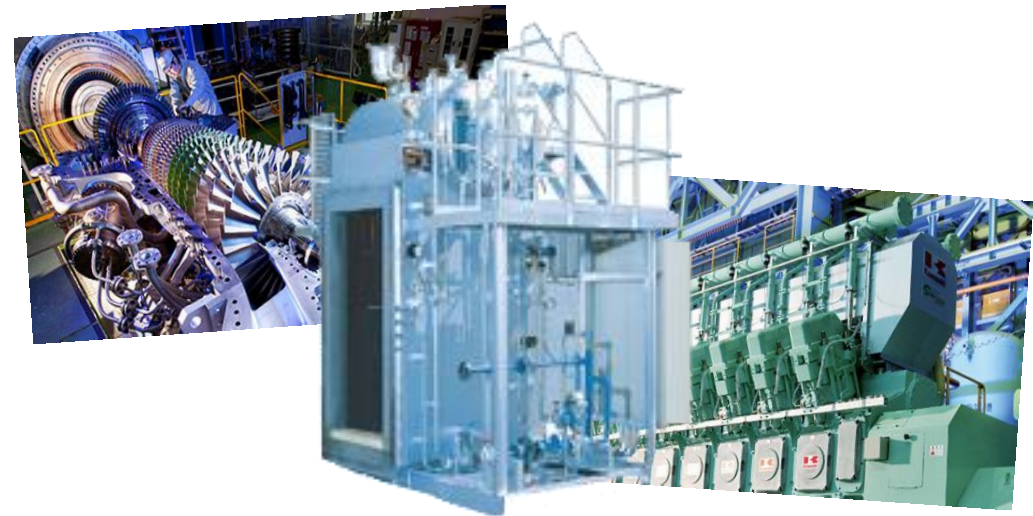


FREE!! SEMINAR

Gas Turbine and HRSG Technology

28th May 2018

At 4th floor The Engineering Institute of Thailand



Organized by Thai Association of Boiler and Pressure Vessel

And

The Subcommittee of Steam System, Boilers and Pressure Vessel,

The Engineering Institute of Thailand

Time Table (Tentative)

- 08.30 – 09.00 Register
- 09.00 – 10.00 **Section 1: General introduction on Gas Turbine**
 Basic introduction of Gas Turbine (Thermodynamic cycle - Brayton)
 1. Gas Turbine brief manufacturing process
(Show video)
 2. Maintenance of Gas Turbine: Borescope and Hot Section inspection (show video)
 3. Installation references of CHP projects.
- 10.00 – 10.15 Coffee break
- 10.15 – 12.15 **Section 2: Introduction on HRSG for CHP**
 1. History, kinds and structure of boilers
 2. General design concept
 3. What kind of tubes is installed for applying to G/T and G/E
 4. How do we install the tubes
 5. Interlocking of HRSG

Q&A
- 12.15 น. Lunch break

Presenter by Kawasaki Technician (from Japan)

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