



IEM

The Institution of Engineers, Malaysia

HALF DAY WEBINAR COURSE ON

THE OPERATION, SAFETY AND ENVIRONMENTAL ASPECTS OF BIOMASS BOILER IN PALM OIL MILL

ORGANISED BY : AGRICULTURAL AND FOOD ENGINEERING TECHNICAL DIVISION

SPEAKER : Ir. HOR KOK LUEN

**23 SEPTEMBER 2021,
THURSDAY
1.30PM - 5.30PM**



BEM APPROVED CPD : 4 REF NO: IEM21/HQ/263/C (w)

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| | ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx) | NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in |
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| IEM Student Member | 40.00 | 50.00 |
| IEM Graduate Member | 75.00 | 90.00 |
| IEM Corporate Member | 125.00 | 150.00 |
| Non-IEM Member | 240.00 | 300.00 |

Register Online at www.myiem.org.my

SYNOPSIS



Biomass boiler & steam turbine are proprietary equipment in the Palm Oil Industry. It is well known that the palm oil mill is designed and operated in self-sustain mode, independent to national power supply as well as buying zero biomass fuel externally. This is the beauty of a palm oil mill. Not only that, the best part is it can provide and supply biomass fuel (excess biomass fuel after self-consumed) to other industries (for instance gloves, food and beverage plants). In the commercial angle, this can generate extra revenue to the company with significant percentage of contribution nowadays.

With the concern of the operation condition of the power house operate in 24 hours, 7 days per week (24-7) during the high crops season, the safety aspects as well as environmental compliances aspect shall put into top& priority. Holistic with layman approach on monitoring and managing the power house (safety aspects and environmental concern) in the daily operation has become very important. In order to be technically and commercially viable and sustainable, factors of safety and environment friendly shall be ready and everyone shall pay full attention on this.

Tentative scope of the webinar technical course :-

- Brief Introduction on the palm oil industry
- Typical biomass boiler and power house layout
- FFB composition and what industry wants to achieve
- The design & operation characteristic of the boiler in the industry
- Type of biomass fuel available and its characteristics
- HIRARC on boiler house

SPEAKER'S PROFILE

Ir. Hor Kok Luen (P.Eng, PEPC, MIEM, First Grade Competent Steam Engineer, ASEAN Engineer, APEC Engineer, International Professional Engineer) graduated from University of Science Malaysia (USM) in 2001. He is holding the Bachelor of Degree (Hons.) in Mechanical Engineering.

He has more than 19 years of working experience in the palm oil mill & related downstream industries, inclusive of biogas power plant and biomass plant. He has vast experience in palm oil mill design, mill upgrading and mill troubleshooting as well as palm oil waste handling & management.

As holding the qualification as Competent First Grade Steam Engineer (JKKP, Malaysia), currently he is performing his professional service by taking the responsibility and challenges (overall mill operation) for a well-established palm oil group of company which owns 100 tons per hour capacity palm oil mills, plantations and subsidiary plants, which aggressively embark involving in palm oil mill processing, long fiber plant, short fiber plant, organic waste water treatment plant design & management ,biomass power plant, biogas capturing plant, CHP plant and of course green energy generation for grid connection (Feed in tariff) besides islanded unit for in-house consumption. The speaker is a corporate member of The Institutions of Engineers Malaysia (IEM) in Mechanical Discipline. He is also a Registered Professional Engineer with Practicing Certificate (PEPC) with the Board of Engineers Malaysia (BEM). He is a qualified ASEAN Engineer (AE), APEC Engineer and International Professional Engineer MY_E_00573. Currently he is the Chairman of Agricultural & Food Engineering Technical Division (AFETD), The Institutions of Engineers Malaysia, IEM.

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

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REGISTRATION FORM

HALF DAY VIRTUAL COURSE ON THE OPERATION, SAFETY AND ENVIRONMENTAL ASPECTS OF BIOMASS BOILER IN PALM OIL MILL 23 September 2021 (Thursday)

| No | Name(s) | Email | Membership No. | Grade | Fee (RM) |
|----------------------|---------|-------|----------------|-------|----------|
| | | | | | |
| | | | | | |
| | | | | | |
| SUB TOTAL | | | | | |
| + 6% SST | | | | | |
| TOTAL PAYABLE | | | | | |

PAYMENT DETAILS :

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non-refundable) .

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address : _____

Telephone No. : _____ (O) _____ (Fax No.)

_____ (H) _____ (HP)

Email : _____

Signature & Stamp

Date

Photocopies are acceptable