

Workshop on

“Waukesha Gas Engine by using ESM (Engine System Management)”

5-Days Program

About Us

We are the training providers and deals in Technical, HSEQ, Management and Soft Skills Training.

We have highly knowledgeable and experienced local & foreign subject matter experts. Our team is highly focused and provides the best support as per your requirements and needs.

We provide a platform from where you can add value in you teams. We are highly fascinated on the development of your Technical and Management Teams.

We can provide on-site and classroom training.

About The Trainer

The Trainer is Certified from GE- Waukesha for VHP, VGF, ESM & 275GL+. He is also a Certified Waukesha Warranty Technician.

Currently he is associated with Exterran as their Sr. Field Service Engineer. He has also worked with a Waukesha Distributor as their Service Department Head and also worked with Alexandria Petroleum – Petromaint.

He has been attending different training and certifications like

- Exterran Basic Engine / Compressor Training
- Waukesha Gas Engine Technology (GET) from GE-Power, Waukesha, Wisconsin, USA.

- VHP Waukesha gas engines from GE-Power, Waukesha, Wisconsin, USA.
- 275GL+ Waukesha gas engines from GE-Power, Waukesha, Wisconsin, USA.
- VGF Waukesha gas engines from GE-Power, Waukesha, Wisconsin, USA
- ESM** from GE-Power, Waukesha, Wisconsin, USA.
- Ariel Basic Product 2.0 Training.
- PTW1 and PTW2.
- H2S training

He is highly experienced in Commissioning and Major & Top End Overhauls for Waukesha Gas Engines, Ariel compressors overhauling, D.R compressors overhauling, Troubleshooting and repairing for Waukesha gas engines, Ariel, Dresser-rand compressors (onshore& offshore),

He is fully aware of all Waukesha engines upgrades requirements and modifications, all Waukesha engines Apps and programs, Lifecycle, I-Store and Epic.

He is also involved in different projects like:

- I. Safa Far West Station, Oman, commissioning and start-up for 3units (Waukesha 9394GSI/ Ariel JGK-4).
- II. Taysser Station, Oman, commissioning and start-up for 2units (Waukesha 7044GSI/Ariel JGK-4) and 2units (Waukesha 5794GSI/ Ariel JGK-4).
- III. SNOC FFC Plant in UAE, Sharjah, operation and maintenance for 13 gas compression units (Waukesha engines P9390GSI, L36GLD, P48GLD, 12VAT27GL, L7042GSI, L7044GSI/ESM, L7044GSI/ESM2 S5, Ariel JGK-4, JGJ-4, JGC-6, KBT-4)
- IV. Al-Zubair Oil Field, Iraq, as supervisor field engineer for 25 compression units (Waukesha engines L7042GSI, L7044GSI/ESM, L7044GSI/ESM2, Ariel JGK-4).

Course Objective:

After attending this training Course for ESM the participant will be:

- Familiar with Waukesha engines control systems.
- Able to troubleshoot engine control systems.
- Updated with the latest S.B.

ESM** Training Course Competences:

- Theory & Components
- Control Software & Customer Interface
- Fuel Control Systems
- Maintenance & Troubleshooting

Training Content:

Theory & Components:

- Define control systems.
- Review the key components of the system.
- Review system functionality.
- Review system upgrades

Control Software & Customer Interface:

- ESP Software for ESM (Installation/ Operation and Use).
- Onboard software for ESM2 (HMI/ Operation and Use).

Fuel Control Systems:

- The evolution of ESM fuel control systems
- The specific versions (Application) of fuel control systems as they apply to the individual engine families and the differences between the following configurations:

1. ESM - AFR
2. ESM - Nox control
3. ESM - AFR2
4. ESM2 - AFR2

- System function and operation of these systems

Maintenance and Troubleshooting:

- Fault Assessment.
- E-Help operation and use.
- Troubleshooting
- Maintenance.

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