Mindluster Platform

About the course Gas Turbine Fundamentals

Gas Turbine course, in this course explores the principles, components, operation, and applications of gas turbines in power generation and aviation industries.

Engineering Category's Courses

Course Lesson(56)

Lesson 1 : **How Gas Turbine Combined Cycle Power Plants Produce Electricity Electrical Energy**

Lesson 2 : **Gas turbine Compressor GE Maintenance overhauling**

Lesson 3 : **Secrets of Turbine Lube Oil System**

Lesson 4 : **How a Power Plant Generator Working to Create Electricity Electrical Engineering**

Lesson 5 : **What is Compressor Function Operation and Surge Control System**

Lesson 6 :
Gas turbine generation lec 1 Intro 1 Ø§ÙØ¶Ù„ Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø ÙƒÙŠÙ ØªØ¹Ù…Ù„ Ø§Ù„ØªÙˆØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 7 :
Gas turbine|lec 1 Intro 2 Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø-Ù„Ù‚Ø© Ø§Ù„Ø«Ø§Ù†ÙŠØ©

Lesson 8 :
Gas turbine|lec 1 Intro 3 Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø-Ù„Ù‚Ø© Ø§Ù„Ø«Ø§Ù„Ø«Ø©

Lesson 9 :
Gas turbine|lec 1 Intro 4| turbine section Ø§ÙØ¶Ù„ Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø Ù„ÙˆØØ¯Ø§Øª ØªÙˆÙ„ÙŠØ¯ Ø§Ù„ÙƒÙ‡Ø±Ø¨Ø§Ø¡ Ø§Ù„ØºØ§Ø²ÙŠ

Lesson 10 : **What are the types of lubrication system**

Lesson 11 :
Gas Turbine|lec 5| Axial Compressor|1 Ø§ÙØ¶Ù„ Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø Ù„ÙˆØØ¯Ø§Øª ØªÙˆÙ„ÙŠØ¯ Ø§Ù„ÙƒÙ‡Ø±Ø¨Ø§Ø¡ Ø§Ù„ØºØ§Ø²ÙŠ

Lesson 12 :
Gas Turbine|lec 6| Axial Compressor|2 Ø§ÙØ¶Ù„ Ø³Ù„Ø³Ù„Ø© Ø´Ø±Ø Ù„ÙˆØØ¯Ø§Øª ØªÙˆÙ„ÙŠØ¯ Ø§Ù„ÙƒÙ‡Ø±Ø¨Ø§Ø¡ Ø§Ù„ØºØ§Ø²ÙŠ

Lesson 13 : **How to Power plant Generator Disassembly and their components**

Lesson 14 :
Ø§ÙØ¶Ù„ Ø´Ø±Ø ØªÙØµÙŠÙ„ÙŠ ÙŠÙˆØ¶Ø Ø§Ø³Ø¨Ø§Ø¨ Ø¸Ø§Ù‡Ø±Ø© Ø§Ù†Ù‡ÙŠØ§Ø± Ø±ÙŠØ´ ÙƒØ¨Ù…Ø±Ùˆ Ø³Ùˆ Ø± ÙˆØØ¯Ø§Øª ØªÙˆÙ„ÙŠØ¯ Ø§Ù„ÙƒÙ‡Ø±Ø¨Ø§Ø¡ Ø§Ù„ØºØ§Ø²ÙŠ|Compressor Surge

Lesson 15 :
Gas Turbine |Combustion Chamber 1Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù‚ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 16 :
Gas Turbine |Combustion Chamber 2Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù, Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 17 :
Gas Turbine |Combustion Chamber 3Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù, Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 18 :
Gas Turbine |Combustion Chamber 4Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù, Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 19 : **Gas turbine|lube oil system|lifting pump|balanced vane pump**

Lesson 20 : **G T system 2**

Lesson 21 : **G T system 3**

Lesson 22 :
Gas Turbine |Combustion Chamber 5Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù, Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 23 : **4**

Lesson 24 : **5**

Lesson 25 : **6**

Lesson 26 :
Gas Turbine |Combustion Chamber 6Ø´Ø±Ø ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù, Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 27 : **gas turbine start up 1**

Lesson 28 : **2**

Lesson 29 : **start up gt 3**

Lesson 30 : **4**

Lesson 31 : **5**

Lesson 32 :
Ø§ÙØ¶Ù„ Ø´Ø±Ø Ø§Ø³Ø³ ÙˆÙ…Ø¨Ø§Ø¯Ø¦ Ø§Ù„ØµÙŠØ§Ù†Ø© Ø§Ù„ØªÙ†Ø¨Ø¤ÙŠØ© Ù„Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø£Ù‡ØªØ²Ø§Ø²Ø§Øªvibration 1

Lesson 33 :
Ø§ÙØ¶Ù„ Ø´Ø±Ø Ø§Ø³Ø³ ÙˆÙ…Ø¨Ø§Ø¯Ø¦ Ø§Ù„ØµÙŠØ§Ù†Ø© Ø§Ù„ØªÙ†Ø¨Ø¤ÙŠØ© Ù„Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø£Ù‡ØªØ²Ø§Ø²Ø§Øªvibration 2

Lesson 34 :
Ø§ÙØ¶Ù„ Ø´Ø±Ø Ø§Ø³Ø³ ÙˆÙ…Ø¨Ø§Ø¯Ø¦ Ø§Ù„ØµÙŠØ§Ù†Ø© Ø§Ù„ØªÙ†Ø¨Ø¤ÙŠØ© Ù„Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø£Ù‡ØªØ²Ø§Ø²Ø§ØªVibration 3

Lesson 35 :
Ø§ÙØ¶Ù„ Ø´Ø±Ø Ø§Ø³Ø³ ÙˆÙ…Ø¨Ø§Ø¯Ø¦ Ø§Ù„ØµÙŠØ§Ù†Ø© Ø§Ù„ØªÙ†Ø¨Ø¤ÙŠØ© Ù„Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ù„Ø£Ù‡ØªØ²Ø§Ø²Ø§Øªvibration 4

Lesson 36 :
Ø´Ø±Ø ÙƒØ±Ø§Ø³ÙŠ Ø§Ù„ØªØÙ…ÙŠÙ„ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© ÙˆØ§Ù„Ù…Ø´Ø§ÙƒÙ„ Ø§Ù„Ù…ØªØ±ØªØ¨Ø© Ø¹Ù„ÙŠ Ø§Ù„ØªØ´ØÙŠÙ… Ø§Ù„Ø®Ø§Ø·Ø¦

Lesson 37 :
Ø·Ø±Ù, ØªØ¨Ø±ÙŠØ¯ Ø±ÙŠØ´ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© Gas Turbine|Blades Cooling

Lesson 38 :
Ù…Ø§Ù‡Ùˆ Ø§Ù„Ø¬Ø²Ø¡ Ø§Ù„Ù…Ø³Ø¦ÙˆÙ„ Ø¹Ù† Ø¹Ù…Ù„ Ø§ØªØ²Ø§Ù† Ø§Ø¶Ø§ÙÙŠ Ù„Ø¹Ù…ÙˆØ¯ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ© Ø§Ø«Ù†Ø§Ø¡ Ø§Ù„Ø¯ÙˆØ±Ø§Ù†

Lesson 39 :
ÙƒÙŠÙ ØªØ¹Ø§Ù…Ù„Øª Ø´Ø±ÙƒØ© Ø³ÙŠÙ…Ù†Ø³ Ù…Ø¹ Ø¸Ø§Ù‡Ø±Ø© |Humming Suppression in Gas turbine

Lesson 40 :
Ø´Ø±Ø Ø§Ø³Ø¨Ø§Ø¨ Ø¹Ø¯Ù… Ø§Ø³ØªÙ‚Ø±Ø§Ø± Ø§Ù„Ø¶ØºØ· Ø¯Ø§Ø®Ù„ ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù‚ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© 2

Lesson 41 :
Ø´Ø±Ø Ø§Ø³Ø¨Ø§Ø¨ Ø¹Ø¯Ù… Ø§Ø³ØªÙ‚Ø±Ø§Ø± Ø§Ù„Ø¶ØºØ· Ø¯Ø§Ø®Ù„ ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù‚ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© 3

Lesson 42 : **What are Combined Cycle Power Plant Principles Theory Design and Operation 1**

Lesson 43 : **What are Combined Cycle Power Plant Principles Theory Design and Operation 2**

Lesson 44 : **Technical Engineering school intro**

Lesson 45 :
Ø´Ø±Ø Ø§Ø³Ø¨Ø§Ø¨ Ø¹Ø¯Ù… Ø§Ø³ØªÙ‚Ø±Ø§Ø± Ø§Ù„Ø¶ØºØ· Ø¯Ø§Ø®Ù„ ØºØ±ÙØ© Ø§ØØªØ±Ø§Ù‚ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© 4

Lesson 46 :
Sealing of Gas Turbine Compressor Bearing Ø§ÙØ¶Ù„ Ø´Ø±Ø Ù„Ù†Ø¸Ø§Ù… Ø¹Ø²Ù„ ÙƒØ±Ø§Ø³ÙŠ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø© Ø§Ù„ØºØ§Ø²ÙŠØ©

Lesson 47 :
ÙƒÙŠÙ ÙŠØªÙ… ØªØ¨Ø±ÙŠØ¯ Ø§Ù„Ø±ÙŠØ´ Ø§Ù„Ø«Ø§Ø¨ØªØ© Ù„Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª Ø§Ù„ØºØ§Ø²ÙŠØ© How Gas Turbine Nozzle Cooling

Lesson 48 :
Primary source|High vibration|Rotating equipment| Ø§Ù„Ù…ØµØ¯Ø± Ø§Ù„Ø±Ø¦ÙŠØ³ÙŠ| Ù„Ù„Ø§Ù‡ØªØ²Ø§Ø²Ø§Øª

Lesson 49 :
ØµÙŠØ§Ù†Ø© ØªÙ†Ø¨Ø¤ÙŠÙ‡ Ø§Ù„Ù…Ø¹Ø¯Ø§Øª Ø§Ù„Ø¯Ù^Ø§Ø±Ø© Predictive maintenance Vibration analysis Polar Chart

Lesson 50 : **Gas turbine|lubrication system|lifting pump|balanced vane pump|troubleshooting**

Lesson 51 :
Pressure Profile of Gas Turbine Bearing Ø´Ø±Ø Ø±Ø§Ø¦Ø¹ Ù„ØªÙ^Ø²ÙŠØ¹ Ø¶ØºØ· Ø§Ù„Ø²ÙŠØª Ø¹Ù„ÙŠ ÙƒØ±Ø§Ø³ÙŠ Ø§Ù„ØªØ±Ø¨ÙŠÙ†Ø§Øª

Lesson 52 :
Turning Gear Hydromotor Functions in Gas Turbine Generator Ø´Ø±Ø Ù†Ø¸Ø§Ù… Ø§Ù„Ø¯Ù^Ø±Ø§Øª Ø§Ù„Ø¨Ø·ÙŠØ¦Ø©

Lesson 53 : **How do Pneumatic actuators Valves Work|Pneumatic Actuators Valves Types**

Lesson 54 : **What is Positioner in Pneumatic actuators Control Valve |Positioner Working Principle**

Lesson 55 : **What is the first Cycle of CCPP**

Lesson 56 : **How Gas Turbine runs Generator to produce electricity**

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