Mindluster Platform

About the course Energy Engineering

Energy engineering or Energy Systems Engineering is a broad field of engineering dealing with energy efficiency, energy services, facility management, plant engineering, environmental compliance, sustainable energy and renewable energy technologies. Energy engineering is one of the more recent engineering disciplines to emerge. Energy engineering combines knowledge from the fields of physics, math, and chemistry with economic and environmental engineering practices. Energy engineers apply their skills to increase efficiency and further develop renewable sources of energy. The main job of energy engineers is to find the most efficient and sustainable ways to operate buildings and manufacturing processes. Energy engineers audit the use of energy in those processes and suggest ways to improve the systems. This means suggesting advanced lighting, better insulation, more efficient heating and cooling properties of buildings. Although an energy engineer is concerned about obtaining and using energy in the most environmentally friendly ways, their field is not limited to strictly renewable energy like hydro, solar, biomass, or geothermal. Energy engineers are also employed by the fields of oil and natural gas extraction.

Engineering Category's Courses

Course Lesson(7)

Lesson 1 : **Variable Frequency Drives Explained VFD Basics IGBT inverter**

Lesson 2 : **120V 240V Electricity explained Split phase 3 wire electrician**

Lesson 3 : **How does a Transformer work Working Principle electrical engineering**

Lesson 4 : **What is a kWh kilowatt hour CALCULATIONS energy bill**

Lesson 5 : **How Three Phase Electricity works The basics explained**

Lesson 6 : **Power Factor Explained The basics what is power factor pf**

Lesson 7 : **Ground Neutral and Hot wires explained electrical engineering grounding ground fault**

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