Control and Distribution of Power

**Course Description:**

**Who is the course for?**

This eLearning course is aimed at individuals working in the oil and gas industry who work on or require an understanding of electrical systems. The course is particularly suited to those who are new to the industry or job role as it provides an introduction to electrical power distribution.

**Is previous experience required?**

You do not need prior knowledge or experience to complete this course and it is assumed that you are competent in your designated role.

**How will the course benefit me?**

Electrical power is distributed to many different systems on an oil and gas installation. This course will give you a basic understanding of the components involved in power distribution and how they are used to ensure that equipment receives a continuous supply of power.

The knowledge gained in this course will help you to stay safe when working with electrical power supply equipment. It will also explain how power is stepped up to the correct voltage by transformers.
How will the course benefit my company?

By ensuring you are fully aware of the operation of power distribution equipment, you are better able to work with this equipment safely. You will also have a better understanding of the power supply need and distribution systems in place at your workplace.

What standards are referenced in the course?

This course does not refer to specific legislation or standards but is written to current HSE guidelines, industry best practice and standard operating procedures.

Is there an assessment?

Once you have completed the course, you will be asked a series of questions to check your knowledge and understanding. These are based on the learning objectives for the course and have a pass mark of 80%.

Learning Objectives:

• Describe switchgear

• Know types of switchgear

• Describe switchgear features

• Describe transformers