

GWO BTT ELECTRICAL



DESCRIPTION OF THE COURSE

GWO Basic Technical Training (BTT) Electrical course is meant for personnel working in the wind and turbine industry. It training helps professionals get GWO BTT certification which is necessary for carrying on work in the sector. Candidates will learn the proficiency to understand and perform basic electrical completion.



TARGET GROUP

GWO BTT Electrical Module is primarily intended for personnel working in the wind industry or related fields needing to obtain their GWO BTT Electrical Module certificates.



COURSE CONTENTS

The GWO BTT Electrical Module covers the following topics:

- Introduction to electricity
- Electrical Safety
- Electrical Components
- Sensors
- Electrical circuits
- Electrical measuring and measuring instruments



OBJECTIVES OF THE COURSE

Knowledge:

- Basics of electricity
- Risks and hazards associated with electrical work
- Function and symbol of electrical components
- Function of different types of sensors
- Explain and interpret a simple electrical diagram

Proficiency:

- Work safely with electrical equipment
- Inspect electrical circuits and prevent unsafety accidents
- Make correct and safe measurements
- Check and replace components in the real electrical circuits

APPROVAL



The GWO BTT Electrical Module is approved by Global Wind Organisation (GWO).

ENTRY STANDARDS



Trainees wishing to enter this course should be medically fit and capable of fully participating.

DURATION OF THE TRAINING COURSE



The duration of the GWO BTT Electrical Module is 1,5 working days.

Note: During training course theoretical lessons are given using PowerPoint presentations, practical tasks are based on real scenarios and conducted using following equipment: PPE suitable for electrical work (Insulating gloves goggles, safety shoes or boots and suitable clothing), LOTO equipment, Measuring devices, a panel with standard DIN rail for mounting an electrical circuit and the following components: power supply or transformer and a bridge rectifier, electrical protection, appropriate electrical wires, different value resistances, lamps, switches, capacitors, diodes, terminals for rail, push buttons (NO and NC), contactors, relays, emergency stop button, PT 100 sensor, proximity sensor, etc.