



Our **GWO BASIC TECHNICAL TRAINING (BTT)** is the best option to get your WINDA certs done. To view available dates for this course and book online, please visit our course calendar here at www.aslsafety.com/training

GWO BASIC TECHNICAL TRAINING(BTT)

Duration: 4.5 Days

Course Time: 8.30am – 5pm

Lunch Included on all days

GWO Basic Technical Training (BTT) Combined

GWO Basic Technical Training (BTT) Combined is part of the Global Wind Organisation (GWO) course portfolio, which sets the standards for training in the global wind energy and renewables industry.

ASL SAFETY & TRAINING is Irelands number one provider of wind industry training, offering a comprehensive portfolio of GWO courses.

Industry experienced instructors deliver courses in a state-of-the-art wind and renewables excellence centre and via our mobile training units which provides a realistic training environment, and accomodates personnel working both onshore and offshore.

Course Overview

The GWO Basic Technical Training (BTT) standard came into effect in 2018 and replaced many of the GWO members' own in house training courses either fully or partially.

GWO BTT is an entry level course that enables delegates to perform basic hydraulic, mechanical and electrical tasks in a wind turbine environment under the supervision of an experienced technician.

PLEASE NOTE: If you already have pre-existing basic technical training or experience, you may be able to complete GWO BBT Merit Gap Training to meet GWO standards Ca or emails us to find out more at 0035340233505 or gwo@aslsafety.com





Course Objectives

Delegates completing a GWO Basic Technical Training (BTT) course will be able to;

Electrical

Explain the basics of electricity

Explain risks and hazards associated with electrical work

Explain the function and symbol of electrical components

Explain the function of different types of sensors

Explain and interpret a simple electrical diagram and demonstrate how to assembly it on a circuit

Demonstrate how to make correct and safe measurements

Mechanical

Explain the main components, mechanical systems and the basic operation of wind turbines

Explain risks and hazards associated with mechanics

Understand the principles of bolted and welded connections and their inspection

Demonstrate practical skills to use manual tightening and measuring tools.

Demonstrate the correct use of hydraulic torque and tensioning tools

Explain the principles of a gearbox

Explain the function of the brake systems and demonstrate how to inspect them

Explain the function of the yaw system and explain how to inspect it

Explain the function of the cooling system and demonstrate how to inspect it

Explain the function of the lubrication system and demonstrate how to inspect it

Hydraulics

Explain the basics of hydraulics

Explain risks and hazards associated with hydraulic work

Explain the function of different types of pumps and demonstrate how to check start/stop pressure of a pump

Explain the function of different types of actuators

Explain the function of different types of valves





Explain the function of accumulators and demonstrate how to check and precharge them

Explain the function of different types of sensors

Identify the components which transfer the oil

Describe the handling of oil procedures

Identify and find different components on a hydraulic diagram

Demonstrate how to measure the hydraulic pressure accurately

Course Content

A GWO Basic Technical Training (BTT) course includes;

GWO BTT - Electrical

GWO BTT - Mechanical

GWO BTT - Hydraulics

Prerequisites

In order to complete a GWO Basic Technical Training (BTT) course, delegates must:

Be WINDA registered before arriving for the course

WINDA

The Global Wind Organisation (GWO) have launched a Global Wind Industry Records Database (WINDA) which allows you to verify your GWO certificates with employers.

PRE REQUISITES

It is the responsibility of the delegate to ensure they meet all the pre-requisites and provide documented evidence to that effect PRIOR to course commencement. Failure to do so could result in forfeit of all costs and course attendance.

To attend participants must Register for a personal WINDA profile before arriving for the course <https://www.globalwindsafety.org/winda/register>

Be over 18, physically and medically fit.

Certification:

We will register all certificates with GWO via the Winda Online Certification System

