

# GWO BTT HYDRAULIC



## DESCRIPTION OF THE COURSE

GWO Basic Technical Training (BTT) Hydraulic course is meant primarily for professionals intending to or already working in the wind and turbine industry as Wind Turbine Technicians. The training provided candidates complete knowledge about the hydraulic parts of a wind turbine generator including principles of bolted and welded connections, gearbox, break and yag systems and other aspects of a generator.



## TARGET GROUP

GWO BTT Hydraulic Module is primarily intended for future and/or existing Wind Turbine Technicians, who are going to deal with hydraulic part of Wind Turbine Generators.



## COURSE CONTENTS

The GWO BTT Hydraulic Module covers the following topics:

- Hydraulic Introduction
- Hydraulic Safety
- Pumps
- Actuator
- Valves
- Accumulators
- Sensors
- Pipes, hoses and connections
- Oil and filters
- Hydraulic diagrams
- Pressure measuring tools



## OBJECTIVES OF THE COURSE

### Knowledge:

- Basics of hydraulic
- Risks and hazards associated with hydraulic work
- Function and symbols of hydraulic components
- Function of different types of pump, sensors, valves and actuators
- Function of hydraulic accumulators
- Handling of oil procedures

### Proficiency:

- Inspection of hydraulic systems components
- Check and precharge hydraulic accumulators
- Accurately measure the hydraulic pressure
- Troubleshoot hydraulic system failures

## DURATION OF THE TRAINING COURSE

1,5 working days.



## APPROVAL

Global Wind Organisation (GWO) reference.



## ENTRY STANDARDS

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

