

**Prerequisites:** Each delegate must create a personal profile in WINDA and provide their WINDA ID prior to completing GWO training.

- Prior to beginning practical training for a given module, the delegate must complete the associated E-Learning Module.
- The total period for completing theory and practical elements for a given module must not exceed 4 weeks.

**Course Length:** 2.5 days at the training center for practical training and assessment (following the completion of E-Learning modules). Total course duration: 33 hours 50 minutes. Course length shall vary depending on the number of delegates.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be twelve (12) in the classroom session and six (6) in the practical session.

**Course Objectives:** This training is conducted in accordance with the GWO Basic Safety Training (BST) Standard and successful completion will enable participants to:

- Support and care for themselves and others working in the industry by possessing the knowledge and skills of first aid, working at heights, manual handling, fire awareness, and sea survival
- Possess an awareness of the hazards encountered when working within the wind industry and how to control and mitigate these hazards.
- Increase safety through proper use of personal protective equipment, emergency equipment and procedures.
- Have the knowledge, skills, and confidence to appropriately respond in the event of an emergency
- Be able to evacuate, rescue and provide appropriate first aid to casualties in case of an emergency.

Successful completion of this course results in the following certificates:

- GWO First Aid (FA)
- GWO Manual Handling (MH)
- GWO Fire Awareness (FAW)
- GWO Working at Heights (WAH)
- GWO Sea Survival (SS)

**Course Design:**

- Narrated digital learning modules
- Power Point© / Lecture / Audio Video / Visual Aids
- Practical Exercises

**Successful Course Completion:**

- Delegate must demonstrate understanding of theoretical training of each module prior to participating in practical training.
- Successful completion of practical sessions is mandatory.
- If a participant fails to meet the demands of the Module, they shall attend a new Module.

**Course Content Summary:**

- Computer Based Training
- Classroom
- Practicals

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 Hour, if applicable

**Course Outline:**

The GWO Basic Safety Training – Offshore course is comprised of the following Modules:

- BST First Aid
  - Lifesaving first aid using primary survey and the first aid structure
  - Providing first aid to relevant incidents in the wind industry
- BST Manual Handling
  - Injuries, symptoms, and essential manual handling principles
  - Warm up activities
  - Manual handling principles
- BST Fire Awareness
  - Fire combustion and fire spread
  - Fire extinguishing
  - Fire prevention
  - Firefighting equipment in a Wind Turbine Generator (WTG)
- BST Working at Heights
  - Legislation
  - Harness
  - Fall prevention
  - Vertical fall arrest systems
  - Legal requirements
  - Dropped objects
  - Self-retracting lifelines
  - Measures to prevent injury during training
  - Practical exercises
  - Workshop – risks/ hazards & suspension trauma
  - Emergency procedures

- PPE review
  - Rescue devices and rigging setup
- BST Sea Survival
  - Safety culture and legacy
  - Cold water immersion
  - Lifesaving appliances (LSA) and PPE
  - SAR AND GMDSS
  - Practical Sea Survival
  - Safe travel and transfer (theory)
  - Installations, vessels and WTGS

**Practical Session:**

The Practical training shall verify that the delegate is able to demonstrate the following in each module:

- BST First Aid
  - Managing incidents
  - Providing necessary lifesaving first aid
  - Correct use of first aid equipment
  - Practice CPR with and without AED and pocket mask
  - Correct and safe use of an AED
  - Practice first aid for shock and external bleeding
  - Participation in incident scenarios: electrical, stroke or heart attack, head-to-toe examination, and CPR using an AED
- BST Manual Handling
  - Apply the TILE principle when planning the manual handling operation.
  - Work in teams of two or more persons to perform a lift no more than 30kg and is unwieldy
  - Practicing the following techniques:
    - Working over shoulder height
    - Working while kneeling
    - Push and pull
    - Carrying
    - Lifting
    - Work with handheld tools
    - Awkward postures
- BST Fire Awareness
  - Pre-use inspection of firefighting equipment
  - Correct use of firefighting equipment
  - Practice firefighting: CO2, Fire blanket
  - Participation in scenario-based training:

- Safe evacuation of smoke-filled environment
  - Correct actions when discovering a fire or smoke in a WTG
- BST Working at Heights
  - Perform a pre-use inspection of the Personal Fall Protection Equipment (PFPE)
  - Perform a 'buddy check' of another participants PFPE
  - Appropriate handling and use of equipment: harness, fall prevention, vertical fall arrest systems, fall arrest lanyards & self-retracting lifelines (SRL)
  - Prevention of Dropped objects
  - Attention to risks and hazards & suspension trauma
  - Use of rescue devices and rigging setup
  - Emergency procedures - passive evacuation from height
  - Rescue exercise involving a conscious casualty, hanging by rail/cable fall arrester and a positioning lanyard, inside of the ladder (Passive rescue system)
  - Rescue exercise involving a conscious casualty, hanging in positioning lanyard, outside of the ladder (Passive rescue system)
  - Rescue exercise involving an unconscious casualty, casualty hanging by fall arrest lanyards, inside of the ladder (Active rescue system)
- BST Sea Survival
  - Correct donning and use of LSA and PPE
  - Controlled entry into the water from TP ladder
  - Individual and collective swimming techniques
  - Correct usage of life raft
  - Emergency descent by constant rate descender
  - Participation in Sea survival scenario
  - Procedure for transfer between CTV and WTG transition piece
  - Safe transfer between CTV and WTG transition piece

**Training Center Provided Material:**

- Course materials & equipment
- PPE

**Delegate Requirements:**

- Must possess good physical health as the practical training is physically demanding.

**Reference Material/Documents:**

- GWO Requirements for Training V14
- Basic Safety Training Standard (BST) V18
- National, regional, and local regulations & standards, as required.
- GWO WINDA Sign up – <https://winda.globalwindsafety.org/register/course-participant/>