

**Prerequisites:**

- Each delegate must create a personal profile in WINDA and provide their WINDA ID prior to completing GWO training.
- Participants must hold a valid WINDA training record for GWO BST-Working at Heights, GWO BST-First Aid, and GWO BST-Manual Handling to participate in ART.

**Course Length:** 20 hours when modules are delivered as a combined course and a total of 29 hours when modules are delivered as stand-alone courses. 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 four (4) in the practical session.

**Course Objectives:** This training is conducted in accordance with the GWO Advanced Rescue Training Standard and will enable participants to perform entry-type injured person rescue operations, in a Wind Turbine Generator (WTG), using industry standard rescue equipment, rescue methods and techniques, exceeding those of GWO BST - Working at Height.

Successful completion of this course results in the following certificates:

- GWO ART-Hub, Spinner and Inside Blade Rescue (ART-H)
- GWO ART-Nacelle, Tower, and Basement Rescue (ART-N)
- GWO ART-Single Rescuer: Hub, Spinner and Inside Blade Rescue (SART-H)
- GWO ART-Single Rescuer: Nacelle, Tower and Basement Rescue (SART-N)

**Course Design:**

- Power Point© / Lecture / Audio Video / Visual Aids
- Practical Exercises

**Successful Course Completion:**

- Active participation in theory and successful completion of practical session is mandatory.
- If a participant fails to meet the demands of an Advanced Rescue Training module, they shall attend a new Advanced Rescue Training module.

**Course Content Summary:**

- Classroom
- Practicals

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

**Lunch:** 1 Hour, if applicable

**Course Outline:**

- Introduction
- Emergency response plan in your own organization
- Measures to prevent injury during training
- Head support during rescue
- Packaging the injured person
- Lowering/raising rescue system
- Rescue:
  - Hub, Spinner and Inside Blade Rescue (HSIBR)
    - Hub rescue
    - Outside evacuation
  - Nacelle, Tower, and Basement Rescue (NTBR)
    - Evacuation of an injured person from the nacelle to the base of the tower
    - Rescue from enclosed space
    - Rescue from crawl space
    - Rescue up
- Single Rescuer:
  - Hub, Spinner and Inside Blade Rescue (SR:HSIBR)
  - Nacelle, Tower and Basement Rescue (SR:NTBR)
- Evaluation

**Practical Session:**

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

- Proper warm-up techniques
- Understanding of ART equipment
- Safe / Proper Manual Handling Techniques
- Emergency Response Procedures
- 1st Aid & Casualty Assessment
- Single rescuer Nacelle, Tower, and Basement Rescue (SART-N): Single Rescuer descending and ascending rescue operations from an enclosed space in a WTG nacelle, tower and basement, to a primary assembly, helicopter hoisting platform, or a secondary assembly area.
- Single Rescuer Hub, Spinner, and Inside Blade Rescue Module (SART-H): Single rescuer descending rescue operations from a WTG hub, spinner and from inside a blade, to a primary or a secondary assembly area
- Nacelle, Tower, and Basement Rescue (ART-N): Descending & ascending rescue operations from an enclosed space in a WTG nacelle, tower and basement, to a primary or a secondary assembly area.
- Hub Rescue Module: Descending rescue operations from a WTG hub, spinner and from inside a blade, to a primary) or a secondary assembly area.

**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
- GWO Advanced Rescue Training Standard V4
- GWO WINDA Sign up – <https://winda.globalwindsafety.org/register/course-participant/>