

# Supervisor Training Programme

## MacArtney winch systems



### Training goals

The supervisor training programme will enable the successful participant to operate - and supervise the operation - of the installed MacArtney winch system. The participant will fully understand the capabilities of the winch and learn to make optimal use of the system. Finally, the programme serves as a prerequisite for operators who want to utilise the MacArtney hotline service package.

### Scope of Training

- Operation of the MacArtney winch
- Maintenance of the MacArtney winch
- System installation
- Troubleshooting and replacement of parts and components
- Preparation for effective use of MacArtney hotline

### Certification

- Training certificate

### Participants

The number of participants on the training programme is limited to 6.

### The participants are required to hold

- Basic knowledge of marine winch operation
- Basic electrical knowledge
- Basic English language proficiency (written and oral)

### Type of training

The type of training is divided between classroom sessions and hands-on training

### Place of training

The training will take place at the physical location of the MacArtney winch. The winch must be accessible and operational.

### Other training site requirements include

- Classroom suited for 6 people
- Projector or flat screen TV

### Training schedule and duration

The training course will cover 3 days including advanced hands-on winch training and troubleshooting.



## Training schedule

### Day 1

- Inside the main control panel
- Inside the remote control panel
- Inside the PLC cabinet
- Inside the electrical cabinet
- Inside the brake resistor
- Mobilisation procedures:
  - Lift boom
  - Sling
- Welding to deck
- Power connection
- Remote panel connection
- Brake resistor connection
- Cooling water

### Day 2

- Operator panel, user level
- Operator panel, level 1
- Operator panel, level 2
- Intro inverter display
- Procedure:
  - Reset of cable length
  - Replacement of umbilical
- Troubleshooting - documentation
- Troubleshooting - on the winch
- Emergency panel
- Emergency running
- MRU set-up

### Day 3

- Maintenance:
  - Daily, weekly, monthly etc.
- Replacement of:
  - Disc brake
  - Motor encoder
  - Motor
  - Drum encoder
  - Level wind encoder
  - Motor for level wind
  - Motor fan
  - Brake cylinder
  - System oil (including refill):
    - Level wind gear
    - Main gear
    - HPU
- Adjustment of level wind