

Superuser Training Programme

MacArtney winch systems



Training goals

The superuser training programme enables the successful participant to gain full insight into the use of the installed MacArtney winch system. The participant will understand the capabilities of the winch and learn to make optimal use of the system. In addition, the participant will be able to troubleshoot known electrical issues on the system. Finally, the programme serves as a prerequisite for operators who want to utilise the MacArtney hotline service package.

Scope of training

- Understanding the full scope of operational features on the MacArtney winch
- Build basis for both an operator and a maintenance based advanced skill-set
- Understanding the electrical components of the MacArtney winch
- Reading and understanding the electrical schematics of the MacArtney winch
- Placement and identification of all electrical parts on MacArtney winch
- Troubleshooting and replacement of winch parts and components
- Preparation for effective use of MacArtney hotline

Certification

- Training certificate (upon examination)

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

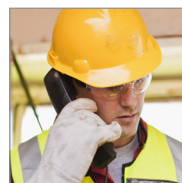
The training will take place at the physical location of the MacArtney winch. The winch must be accessible and operational.

Other training site requirements include

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

Training schedule and duration

The training course will cover 5 days including advanced hands-on electrical winch troubleshooting.



Training schedule

Day 1

- Theoretical walk-through of winch system
- Theoretical walk-through of winch operation
- Mobilisation procedure:
 - Lift boom
 - Sling
 - Welding to deck
- Power connection
- Remote panel connection
- Brake resistor connection
- Cooling water
- Cable procedure:
 - Reset of cable length
 - Replacement of umbilical
- Emergency panel
- Emergency running
- MRU set-up

Day 2

- Winch maintenance:
 - Daily, weekly, monthly etc.
- Replacement of:
 - Disc brake
 - Motor encoder
 - Motor
 - Drum encoder
 - Level wind encoder
 - Motor for level wind
 - Motor fan
 - Replacing a brake cylinder
- Refill oil to system:
 - Level wind gear
 - Main gear
 - HPU
- Adjustment of level wind

Day 3

- Introduction into our MacArtney schematics
- Understanding and identifying components in MacArtney schematics
- Inside the main control panel
- Inside the remote control panel
- Inside the PLC cabinet
- Inside the electrical cabinet
- Inside the brake resistor
- Power connection
- Remote panel connection
- Brake resistor connection

Day 4

- Identification of electrical winch components
- Operator panel, user level
- Operator panel, level 1
- Operator panel, level 2
- Intro inverter display
- Electrical/operational hands-on troubleshooting

Day 5

- Electrical/operational hands-on troubleshooting (continued)
- Examination and presentation of certificate