

Advanced Electrical Training Programme

MacArtney winch systems



Training goals

The advanced electrical training programme enables the successful participant to electrically troubleshoot the installed MacArtney winch system. The participant gains understanding of the winch and learn to make optimal use of the system.

Scope of training

- 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 the 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 3 days including advanced hands-on electrical winch troubleshooting.



Training schedule

Day 1

- Introduction to 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 2

- Identification of electrical winch components
- Operators panel, user level
- Operators panel, level 1
- Operators panel, level 2
- Introduction to the inverter display
- Electrical hands-on troubleshooting

Day 3

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