



#### **World-wide sales and service support**



- Group headquarters
   Esbjerg, Denmark
- Subsidiaries and sales offices
   18 locations in Europe, North America,
   Asia and Oceania
- Sales representatives
   26 locations around the world

Founded in 1978 by Martin and Winnie MacArtney

~ 500 employees in group companies

# MacArtney offices



















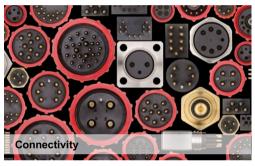




MBT - MacArtney Germany



#### MacArtney is a system solution provider - We design, manufacture, sell and service



Underwater connectivity solutionsconnectors, cables and terminations



Remote technology systems
- ROTVs and ROVs



Winch and handling solutions
- winches, A-frames and rotary products



Underwater instrumentation systems and products
- sonars, sensors and cameras



Underwater telemetry systemsmultiplexers and electronics



And we provide system integration of all of the above...



#### **Our industries**



ROVs, seismic and CSEM survey, cable/pipeline surveys, drill support, construction, IRM, decommissioning



Dredging, telecommunications, ship building, tunnel inspection, dams/structures and inspection



Universities and research institutes, aquaculture, climate change studies, environmental authorities, coast and port authorities, waterways authorities



Tidal and current energy providers, wave energy providers, hydro power, offshore wind



Hydrography, harbour surveillance, coastal and fisheries inspection, sub-marines, MCM



Aquaculture, pelagic trawlers, coastal fisheries



#### What do R/V's need?

Melele

- Coastal/shelf sea vs ocean-going vs icebreaking R/V's
- Handle environmental / geotechnical / biological / geological / physical / chemical oceanography overboarding equipment
- R/V's to support scientific operations (mainly?)
- R/V need ~ science need
- R/V operators academia, commercial enterprises, navies, coast guards
- Reliability, flexibility, adaptability, cost is key
- Ease of use / repair at sea (for crew)
- Safety (for all)
- Environmental concerns (green ship)
- Achieved via lots of equipment, multipurpose equipment or smart equipment
  - Deck equipment (winches, A-frames, cranes)
  - Power regeneration
  - Electronics (use with / upgrade of existing infrastructure)
  - Tow vehicles



# Systems – Case example

Pourquoi Pas?



#### Vædderen





# Systems – Case example

#### Pourquoi Pas?





#### Vædderen





# Complete systems – Case example JAMSTEC – R/V Kaimei



RA winch with AHC and speed of 3m/s



RA winch with traction



CTD winch



Combined controls, including wireless remotes



Portable multi purpose winch



12.000m traction winch, with AHC and speed of 3m/s



Portable small winch





#### **MERMAC - AHC**



MERMAC R series



MERMAC S series



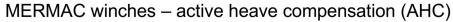
**MERMAC A series** 



**MERMAC D series** 





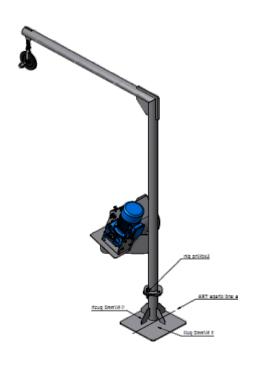






### **Complete systems – Case example**

UCLA – CORMAC M2 winch w/ davit for rigid hull inflatable







#### **Complete and versatile LARS solutions**

Complete current meter system comprising:

- CORMAC Q5
- MERMAC A10 (800 kg A-frame) certified to DNV lifting appliances
- Umbilical
- Current meter/CTD
- Slip ring
- Spooling and termination
- Portable

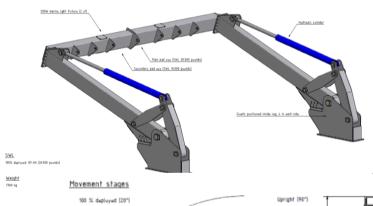


Parked position

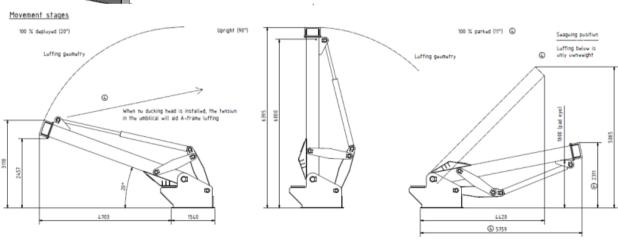
Operating position

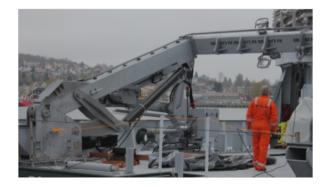


# Launch And Recovery Systems – Case example SOI - Full Ocean Class A-Frame R/V Falkor













# **NEXUS** multiplexers





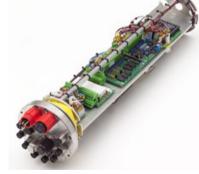






**NEXUS MK III** 







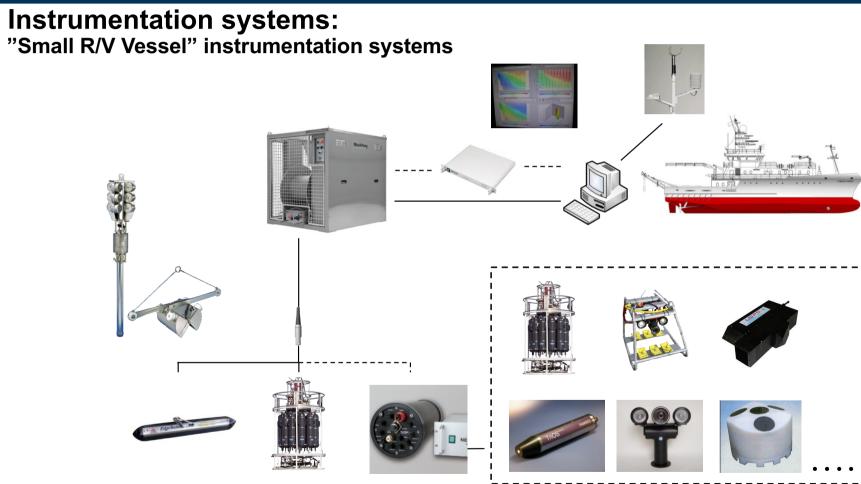


**NEXUS MK IV** 

**NEXUS MK VII** 







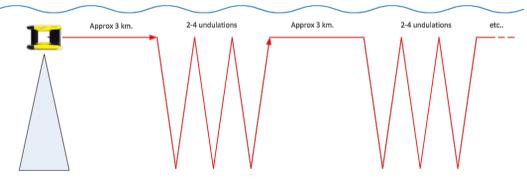


#### **TRIAXUS**



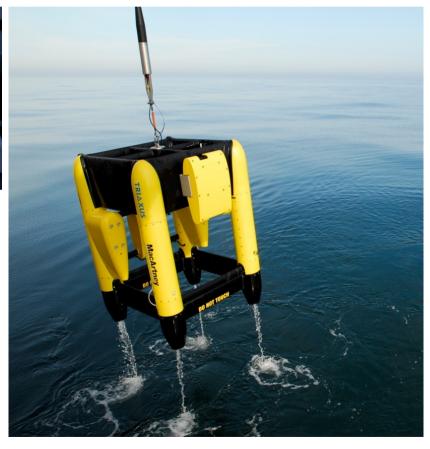


A multitude of sensor configurations



Advanced and flexible sampling strategy

# **TRIAXUS**





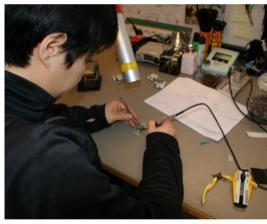
### System integration, project management and engineering

#### **Disciplines and services**

- Acoustics
- Robotics
- Electronics
- Fibre optics
- Hydrodynamics
- Hydraulics
- Software
- Mechanics









Complete Testing
Slip Ring Installation
Umbilical Termination
Spooling





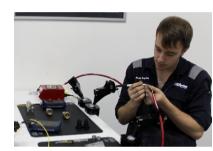
#### **Service and support facilities**



Moulding and cable assembly



Slip ring and repair maintenance



Fibre optics



Calibration and maintenance service



Hydrostatic pressure testing



Electronic service and inspection



Cable terminations



On site repair



Field installation



24/7 emergency support



#### **Worldwide sales and service support**



Thank you for your attention

For further information please contact us at:

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