

All-electric eLARS™

Electric Launch and Recovery Systems

Worldwide Sales and Service Support



- **Group Headquarters**
Esbjerg, Denmark
- **Subsidiaries and Sales Offices**
20 locations in Europe, North America, Asia and Oceania
- **Distribution Network**
24 locations around the world

Founded in 1978 by Martin and Winnie MacArtney
~ 450 employees including group companies

MacArtney operations



MacArtney Denmark



MacArtney Manufacturing



MacArtney Hydraulics



MacArtney Norge



MacArtney UK



MacArtney France



MacArtney Germany



MacArtney Italy



MacArtney Benelux



MacArtney Inc.



MacArtney Canada



SubConn



MacArtney Singapore



MacArtney China



MacArtney Australia

Operations and distributors

Denmark | Norway | Sweden | Finland | United Kingdom | Netherlands | Germany | Poland | France
Spain | Portugal | Italy | UAE | Israel | Turkey | South Africa | USA | Canada | Mexico | Colombia | Chile | Brazil |
Singapore | China | India | Pakistan | Russia | Belarus | South Korea | Japan | Taiwan | Australia

MacArtney brands



SubConn



OptoLink



TrustLink



TrustLink API



GreenLink



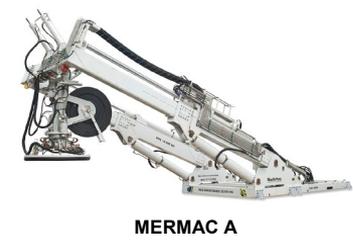
CORMAC



MERMAC



MERMAC eA



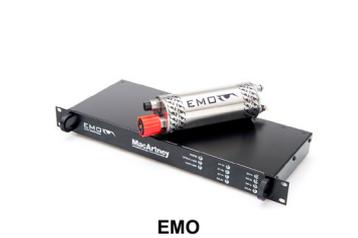
MERMAC A



MERMAC D



LUXUS



EMO



NEXUS



FOCUS



TRIAXUS

It's Electric!
MacArtney to
Launch All-New,
All-Electric
eLARS™



- All-electric
- Environmentally friendly
- Low cost of ownership
- Intelligent control system
- High degree of integrity
- 40 years of experience

The all-new, all-electric eLARS™ ● ● ● ● ● ● ● ●

MacArtney eLARS™ series eA-frame, the prototype

High level specifications:

- Envelope (incl. ROV+TMS): ISO 20ft High Cube
- Distance between legs: 1800 mm
- Max Gross weight: 17,500 kg
- Tare weight: 14,000 kg
- Safe Working Load: 3,500 kg

Vehicles supported:

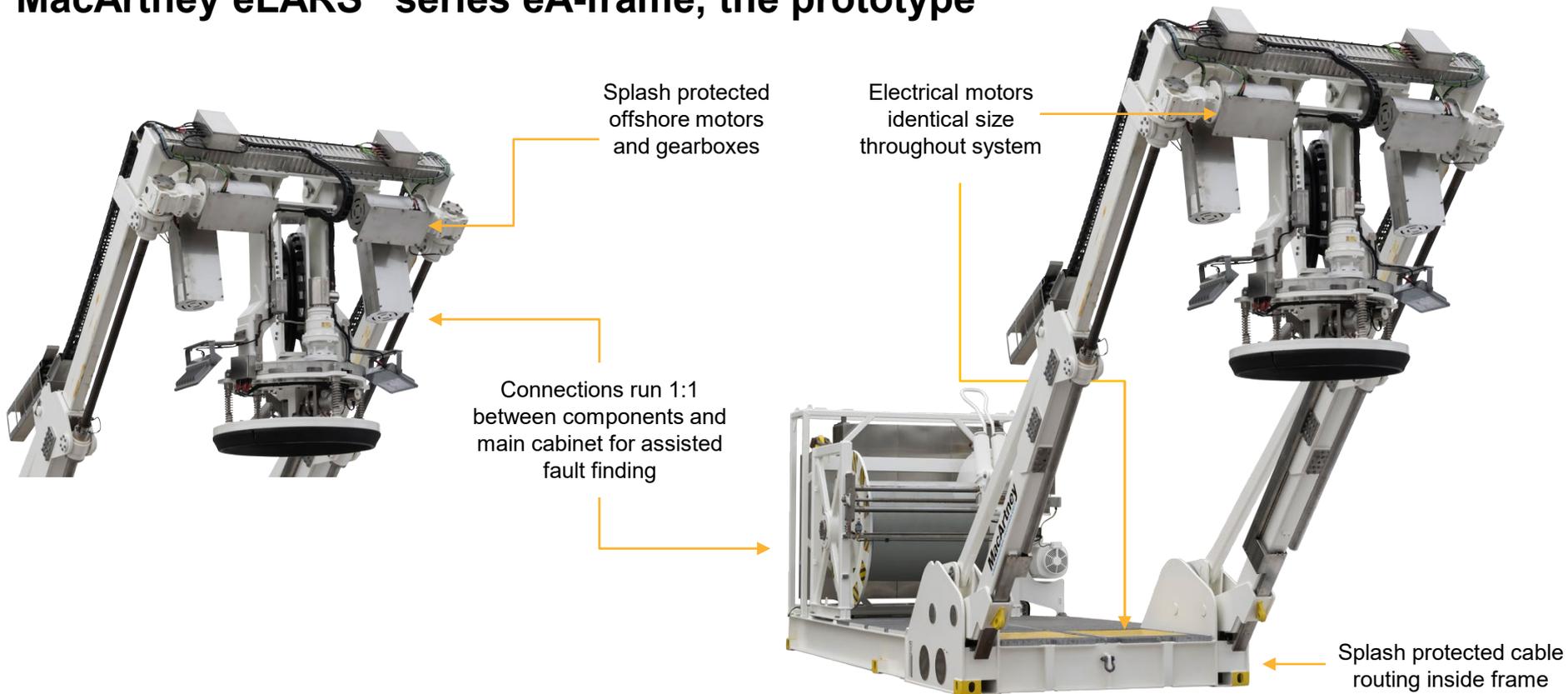
- Wide range of Inspection- & Observation class

Examples:

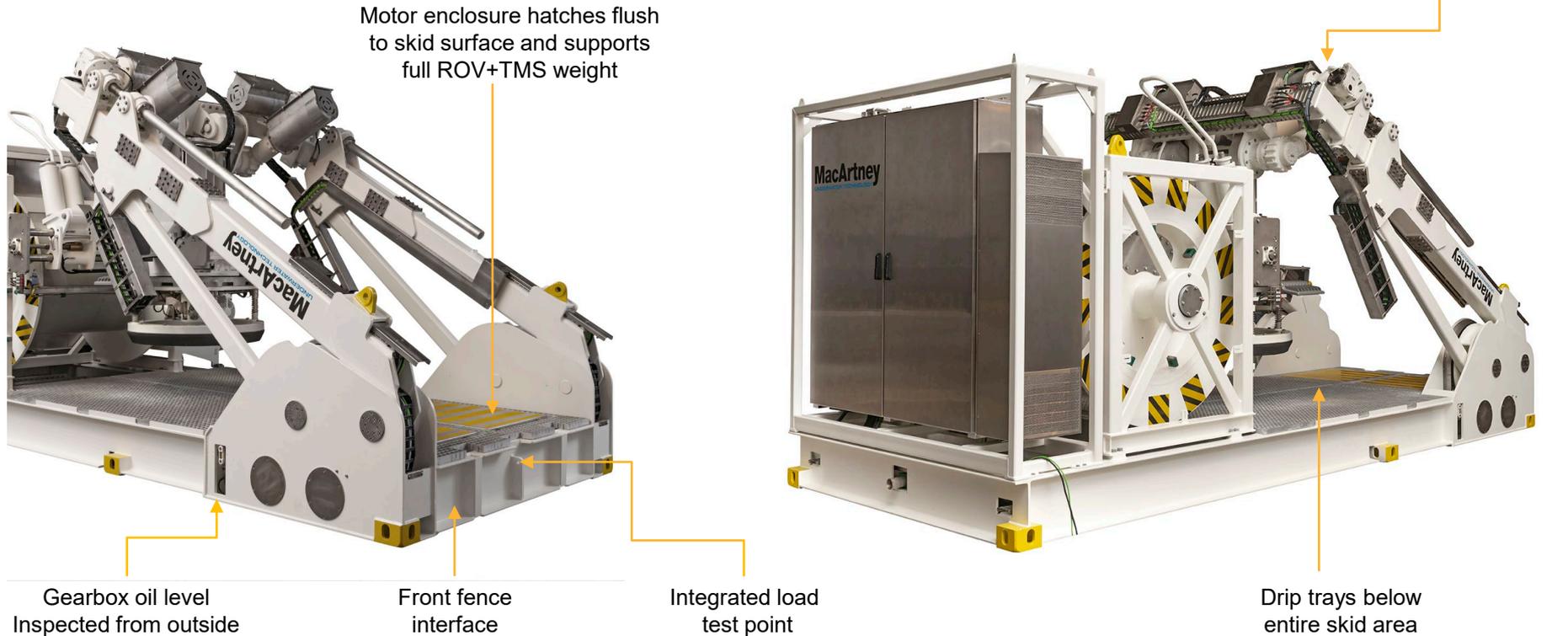
- SAAB Cougar XT, XT1
- SAAB Panther XT, XTP
- SAAB Leopard



MacArtney eLARS™ series eA-frame, the prototype



MacArtney eLARS™ series eA-frame, the prototype



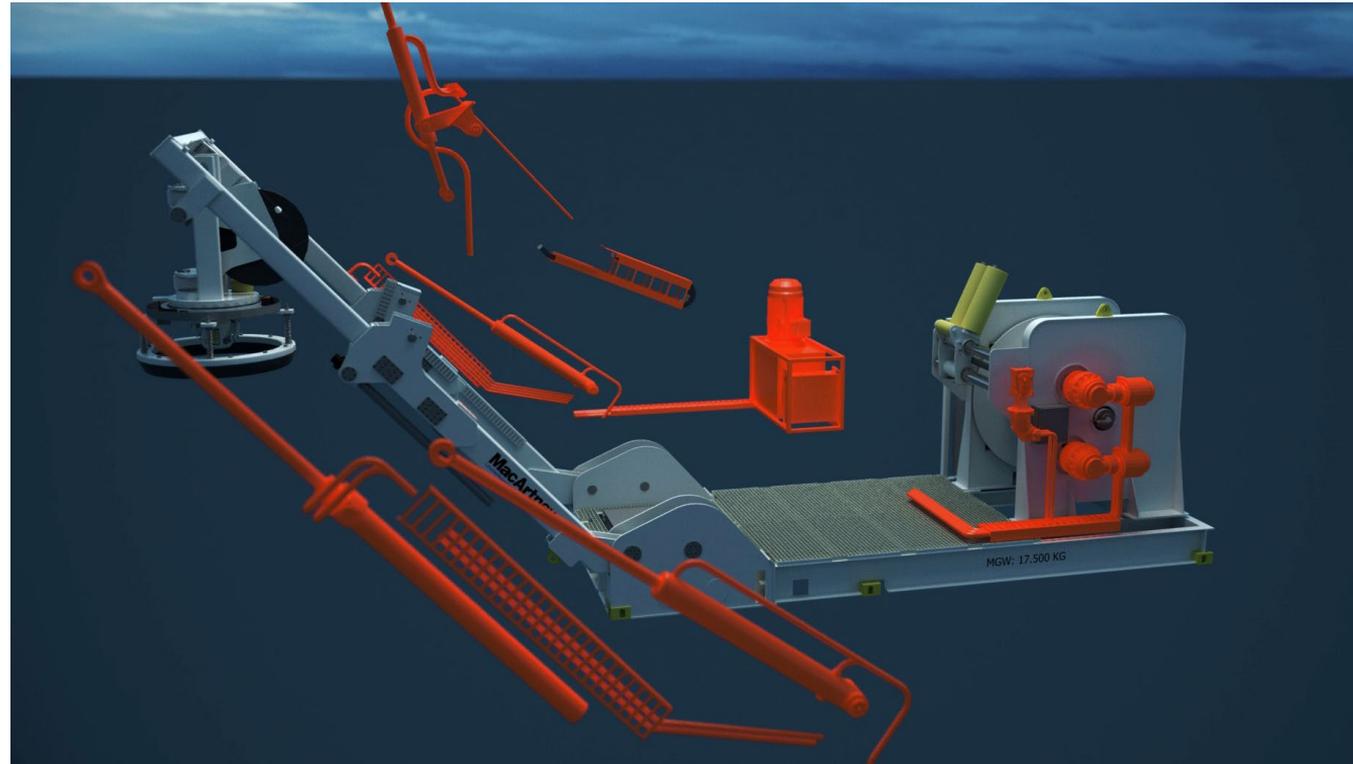
The all-new, all-electric MacArtney eLARS™ series eA-frame

.....
from
hydraulic
to
all-electric
.....



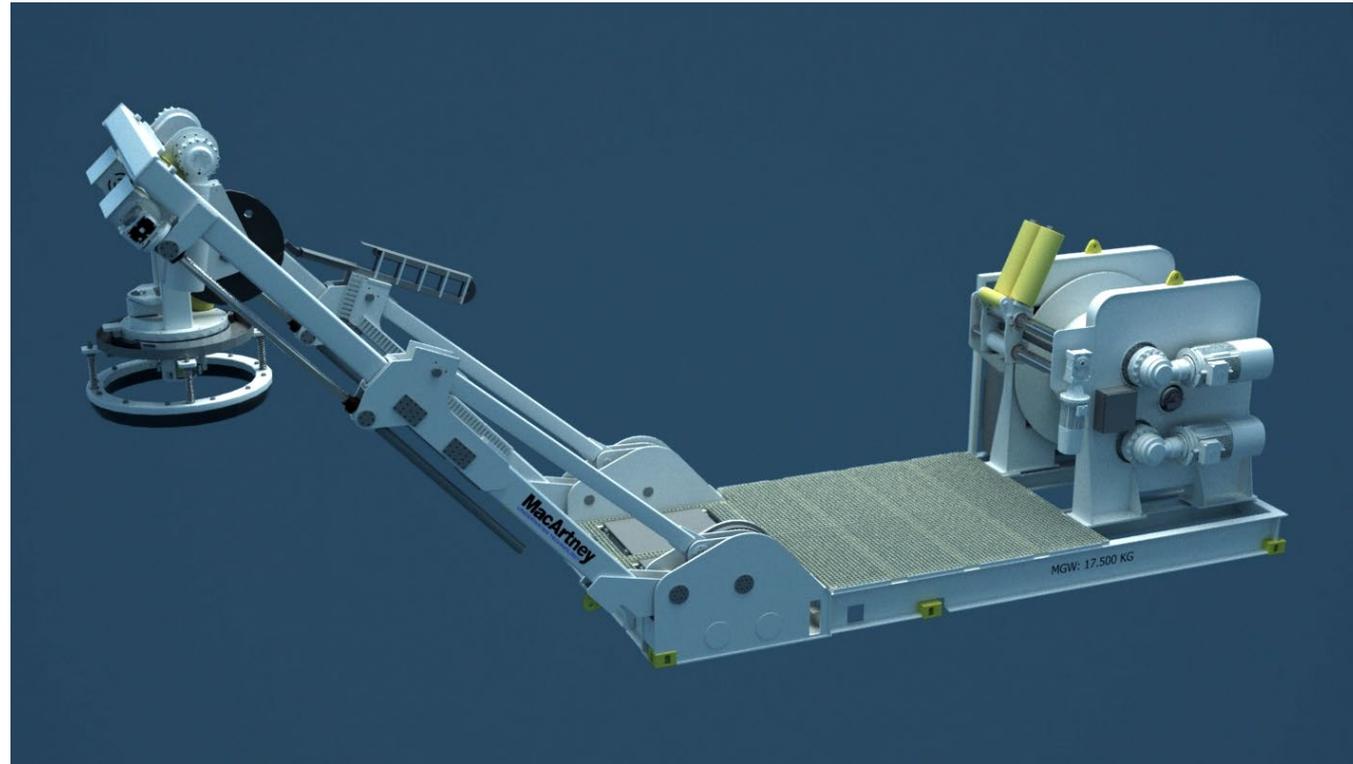
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The all-new, all-electric MacArtney eLARS™ series eA-frame

Specifications



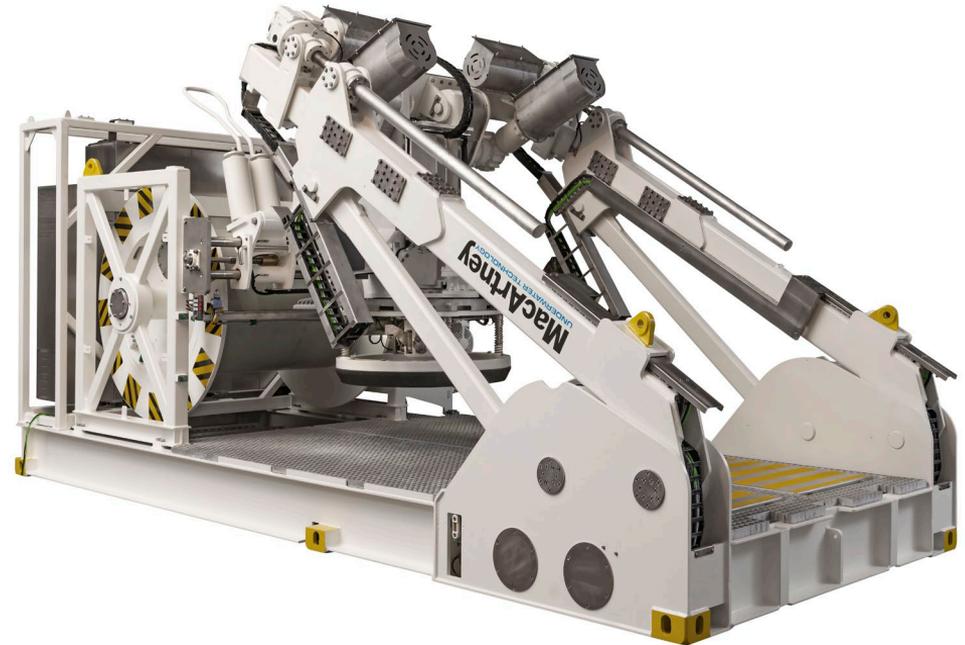
Fully capable of competing with existing hydraulic systems!

- **SWL range:** 2t to 30t (options are virtually unlimited)
- **Weight:** Similar to existing hydraulic systems
- **Configuration:** Stand-alone or combined with eWinch
- **Docking Head:** Fully electric
- **Codes:** As per existing range (CE, DNV etc.)

The all-new, all-electric MacArtney eLARS™ series eA-frame

Applications

- Work, inspection and observation class ROV systems
- Towed vehicle and instrumentation platforms
- Oceanographic systems, sensors and equipment
- Seabed drilling and sampling systems
- Light handling and support for subsea completion
- General marine instrumentation



The all-new, all-electric MacArtney eLARS™ series eA-frame

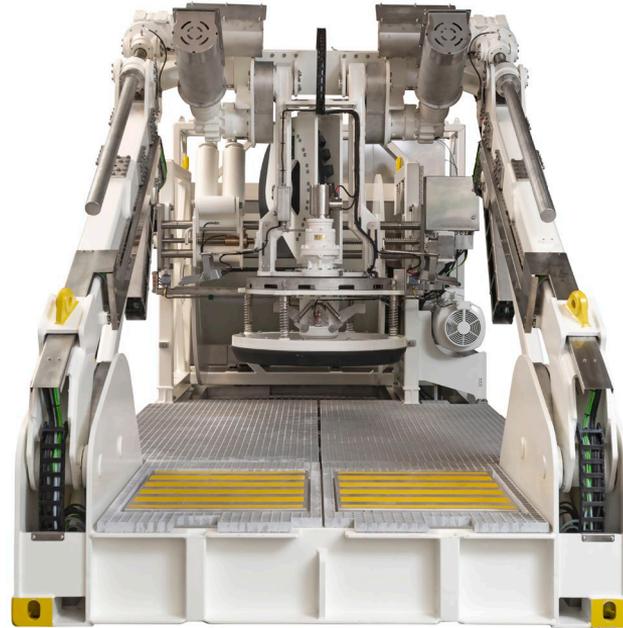
- Docking head with rotation and dampening
- Latch and docking bullet feedback
- Telescoping extension on main legs
- Integrated winch- and A-frame control
- Emergency Recovery Mode
- Universal remote access
- CE-marking
- Lifting in compliance to ILO 152
- Lifting certification to DNVGL-ST-E273 2.7-3
- System certification to DNVGL-ST-0378
- Norsok Z-015 compliance
- 690 VAC power supply
- Automated launch and recovery
- Data logging for maintenance use
- Intelligent extension/retraction for hanger use

System Options



The all-new, all-electric MacArtney eLARS™ series eA-frame

- Eco-friendly
- Low cost of ownership
- High degree of integrity
- Intelligent control system
- Technology solution for tomorrow



Fully capable of competing with existing hydraulic systems!



The all-new, all-electric MacArtney eLARS™ series eA-frame



Eco-Friendly

- Energy efficiency improved by more than 30% compared to hydraulic systems
- Zero pressurised oil over water
- Significantly reduced risk of oil spillage

Unique features



The all-new, all-electric MacArtney eLARS™ series eA-frame



Low cost of ownership

- Plug-and-Play mobilisation
- Maintenance work reduced by up to 50% compared to hydraulic systems
- Cost-efficient spares with minimum lead times

Unique features



The all-new, all-electric MacArtney eLARS™ series eA-frame



High degree of integrity

- Actuation based on tried and tested MacArtney technology
- Built-in actuation system redundancy
- Emergency recovery mode

Unique features



The all-new, all-electric MacArtney eLARS™ series eA-frame



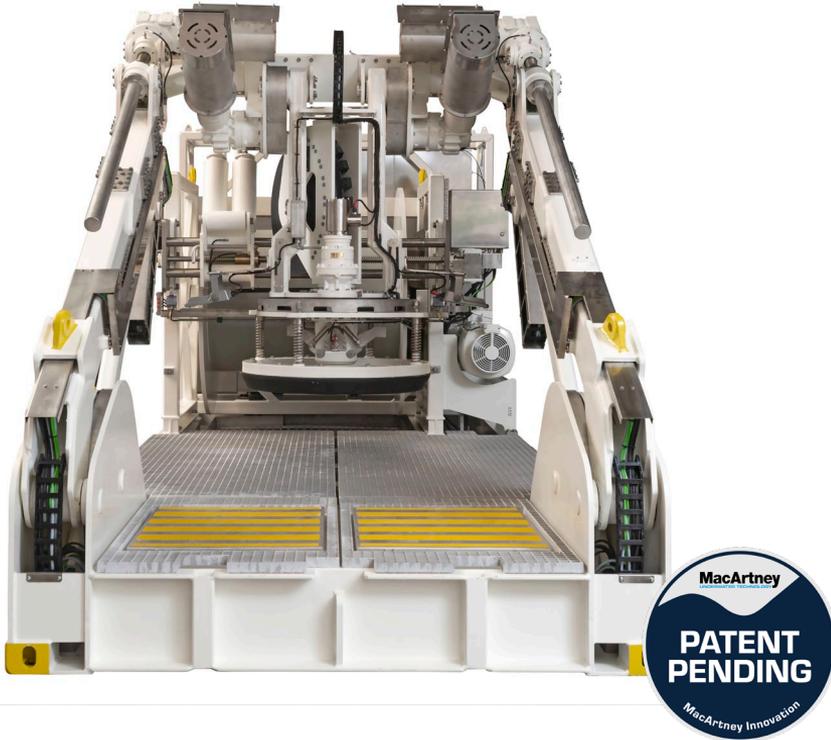
Intelligent control system

- Highly versatile and future-proof
- Real-time condition monitoring
- Automated operations possible
- Custom options available

Unique features



The all-new, all-electric MacArtney eLARS™ series eA-frame



Technology solution for tomorrow

- Surpasses existing LARS key performance criteria
- Compact design increases workspace on skid
- Fully scalable design supports any payload

Unique features



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**WHO
DO YOU
TRUST?**

World-wide sales and service support



Thank you for your attention

For further information

please visit:

www.macartney.com

or contact us at:

info@macartney.com