

eLARS

Robust and efficient all-electric eLARS solutions



The eco-friendly and cost-efficient eLARS™ features MacArtney's tried-and-tested technology. Compared to hydraulic systems, it improves energy efficiency by more than 30%, and zero pressurised oil over water significantly reduces the risk of oil spillage.

A technology solution for tomorrow, designed and manufactured in Denmark with MacArtney experience since 1978, the eLARS can be delivered as an integral part of a complete Launch and Recovery System or as a standalone A-Frame, providing excellent versatility. The all-electric system is fully customisable and can be designed to meet specific customer needs and technical specifications.

The robust design features an optional Emergency Recovery Mode that can ensure safe recovery even in the event of a drive malfunction.

The eLARS provides low costs of ownership through a design emphasising ease of maintenance. Spares are light, readily available, and easy to replace. Furthermore, maintenance work is significantly reduced through the elimination of hydraulics. The electronic control system provides seamless operation and thus reduces wear and tear.

Installation and operational efficiency, facilitated by eliminating hydraulics work, is further aided by Plug-and-Play installation and significantly reduces mobilisation time.

Integration possibilities with MacArtney electric winches provide options for converting a complete Launch and Recovery System to one-person handling.

The intelligent control system supports future upgrades and thus provides versatility and longevity within the market.

With a high degree of integrity and built-in redundancy, the eLARS reduces the risk of downtime and provides a forward-thinking, cost-effective solution.

Features and benefits

- Improved energy efficiency
- Zero pressurised oil over water
- Significantly reduced risk of oil spillage
- Plug-and-Play mobilisation
- Maintenance work reduced by up to 50%
- Cost-efficient spares with minimum lead times
- Actuation based on tried and tested technology
- Built-in actuation system redundancy
- Highly versatile and future-proof
- Surpasses existing LARS key performance criteria
- Compact design increases workspace on the skid
- Fully scalable design supports any payload
- ILO 152 lift certified

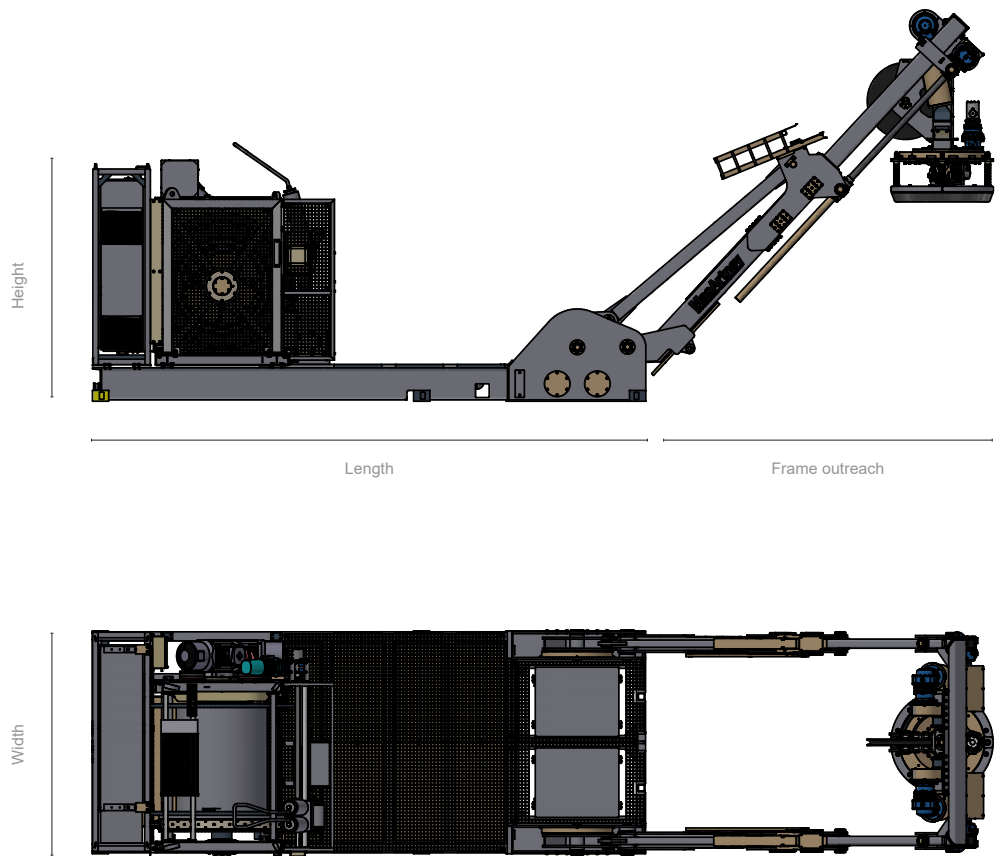
Applications

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

System options

- Docking head with rotation and dampening
- Latch and docking bullet feedback
- Integrated winch and A-frame control
- Automated launch and recovery
- Intelligent extension/retraction for hanger use
- Data logging for maintenance use
- Emergency Recovery Mode
- Universal remote access
- 690 VAC power supply
- Energy harvesting
- System certification to DNV-ST-0378





Specifications

	SWL	Docking head	Max gross	Base width	Base length	Frame height	Distance betw. legs	Frame outreach	Cable capacity
model	kg	-	kg	mm	mm	mm	mm	mm	m (mm)
eLARS35	3,500	yes	23,500	2,440	6,060	2,400*	1,850	3,250	3,900 (ø17) 1,000 (ø31)

Others available upon request, SWL range unlimited

* With 400 mm clearance underneath