NLMS

Strength to get the Job Done!



www.loadmonitoringsystems.com



Company Profile



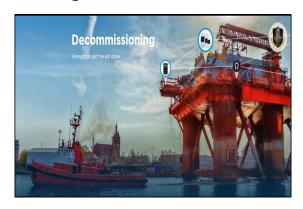
Based in Aberdeen, LMS (Load Monitoring Systems) specialise in the design, manufacturing, sales and rental of Intelligent Load Measurement / Monitoring products and Services used in a wide range of industry sectors, globally.



Market Sector & Territories

Market Sectors: Oil & Gas, Marine, Decommissioning, Subsea, Renewables, Aquaculture, Entertainment, Construction, Heavy Industry, Manufacturing, Transport (Rail, Aerospace) Mining, Nuclear.













Territories:

Global Sales and Rental support provided to over 40 countries and most continents.

QLMS

LMS Team



Kirk Anderson **Managing Director**



Mary Hunter Office / QHSE Manager



Hayley Craig Office Administrator



Millar Kennedy **Sales Director**

Seam Reid



Scott McDougall **Trainee Technician Technician**



Christopher Davidson Operations Manager



Kyle Milne **Technician**



Declan Duncan **Trainee Technician**



Keith Milne **Technical Assistant**



LMS Production





















Testing & Calibration Facilities







100 Tonne Tension and Compression Test Beds









Core Manufactured Products









Line Tensiometer

Tension Load Cells

Load Shackles

Compression Cell











Handheld Displays

Data Logging

Crane Safety



Wireless Technology



















Load Links

Features & Options

- Range 1Te 500Te.
- Lightweight High Tensile Aircraft Aluminum (2014 A)
- Cabled or Wireless.
- ATEX Options. (Zone 1 & 2)
- Factor of Safety: 5:1 or greater.
- 200 % proof load tested.
- Accuracy 0.5 % applied load.
- 12 Month Calibration Certificate issued.
- 800+ meter wireless range
- Battery Life (2 x AAA Alkaline) 3000 hrs continuous.
- **IP67**





















Load Shackles

Features & Options

- Range 3.25Te 2000Te.
- Wireless & cabled
- Van Beest or GN Safety Bow Shackles
- ATEX Options. (Zone 1 & 2)
- 5:1 Safety Factor.
- 200 % proof load tested.
- Accuracy 0.5 % applied load.
- 12 Month Calibration Certificate issued.
- 800 Wireless range
- Battery Life (AAA Alkaline) 3000 hrs continuous.
- **IP67**





















Wireless Line Tension Monitoring

- **Data:** Tension (Load), Pay-out (Meters) & Speed (MPM)
- Rope types: Wire Rope, Synthetic, Dyneema, Umbilical & Fibre Optic
- **Standard Range:** 9mm 104mm Rope Size
- **Model:** Cabled, Wireless, ATEX / IECEX Options. Zone 1, 2
- **Data Logging:** LMS Log 100 Software
- **Accuracy:** 1% Applied Load
- Calibration: 12 Months Certificate Issued
- **Power:** AC or Battery Operated (500Hrs)
- Wireless Range: 500mtrs +



















Compression Monitoring

Features & Options

- Range 5 tonne 1000 tonne.
- Wireless & cabled
- ATEX Options. (Cabled Zone 1, 2 / Wireless Zone 2)
- 5:1 Safety Factor
- 200 % proof load tested.
- Accuracy 0.5 % applied load.
- Centre of Gravity Feature.
- 12 Month Calibration Certificate issued.
- 800 meter Wireless range
- **IP67**























Crane Safety Instrumentation



Reeling Drum

Anti-Two Block Switch

Weights and Chain

Wireless Wind Speed Sensor & Display

Camera and Monitor









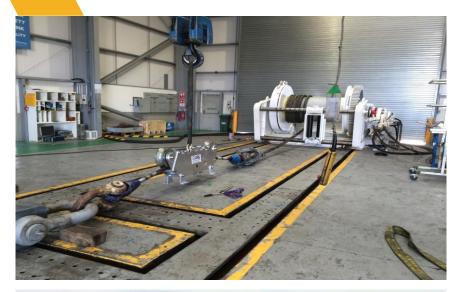








Winch Monitoring









Test Weights & Air Skates









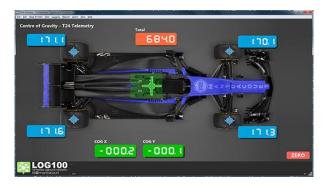
Data Logging Graphics & Streaming

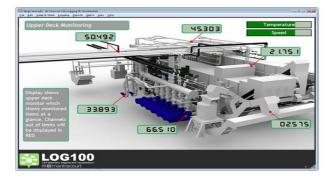
- Remotely access your data quickly and easily from a computer, tablet, smart phone or via web browser.
- Can be streamed or exported in standard JSON or CSV formats.
- ➤ Modbus RTU or ASCII interface (RS232/RS485)
- Industry standard Analogue and Digital outputs available.













Subsea Survey & Tool Deployment







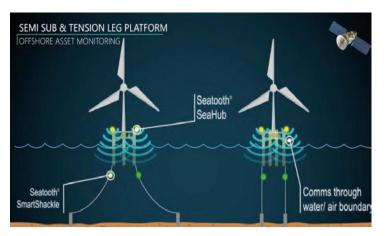








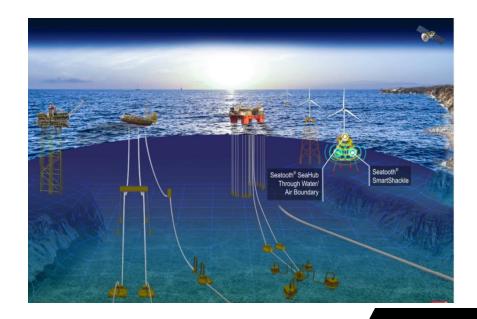
Subsea (Smart Shackle)













Acoustic Release Systems

HLR

HEAVY LOAD RELEASE

III FEATURES

- Release load of 48,000 kg
- Lightweight Titanium strong back and hardware
- Easy and simple assembly and disassembly for transport
- Uses our standard 8242XS for acoustic activation
- Transponder for positioning and recovery
- · 2 full years on alkaline batteries
- Secure command coding
- . Options:

I/O communication Pressure activation External On/Off Extended battery life





The HLR Heavy Load Release is a field-proven, reliable heavy duty acoustic release. The HLR strong back is made entirely of fitanium to keep it light and strong. Titanium is also very corrosion resistant. We also use custom made Delran isolation washers to eliminate any risk of dissimilar metals causing corrosion. The HLR has been designed for easy use in both long term moorings and in lowering applications.

The HLR uses the EdgeTech 8242XS acoustic transponding release for activation. The 8242XS acoustic release is a field-proven, reliable, and versatile mooring instrument. It is made entirely of nickel aluminum bronze alloy with titanium dosure hardware for very long deployments with no corrosion. Acoustic status reply includes tilt and release state. The acoustic command structure is dependable in even the toughest acoustic environments.

The HLR can be commanded and controlled by the EdgeTech 8011M deck box. The 8011M is the most versatile acoustic command ranging deck available anywhere. This system can control and range on EdgeTech's (formerly ORE Offshore) full line of acoustic releases as well as other manufacturers' equipment. Features include auto switching between 115 and 230 VAC and an internal self charging battery. The serial and auxiliary ports allow for simple interfacing with other onboard equipment. Includes a dunking transducer with 67 meters of cable.

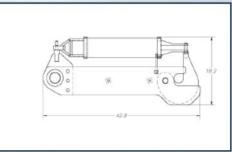
HLR

HEAVY LOAD RELEASE

KEY SPECIFICATIONS

MECHANICAL		
Release mechanism		Motor driven rotary type with advantage hook
Release load rating		48,000 kg (100.000 lbs)
Depth rating		6000 meters (656 ft)
Length		108.7 cm (42.8 ln)
Weight in air		91 kg (201 lbs)
Weight in water		71 kg (157 lbs)
Exposed materials		Acetal (washers etc) NIAIBZ (mechanism) Buna-N (O-rings) Titanlum
ELECTRICAL		
Command frequencies	1	9.3 to 10.7 kHz
Command codes		BACS commands (Edgetech formerly CRE Offshore)
Receiver sensitivity		100 dB re-1uPascai-meter
Battery life		2 years
Battery		Welded alkaline pack





Large Capacity (1250 Te)









Small Capacity (1Te)









Entertainment Sector







QLMS

Custom Branding













Custom Branding (White Labelling)

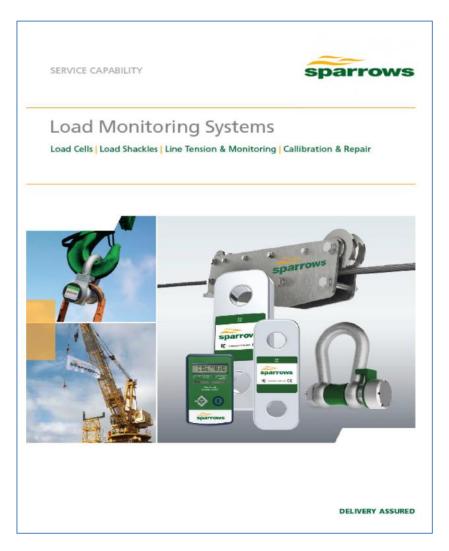








Custom Brochures





Proof Load Tests (2000Te)













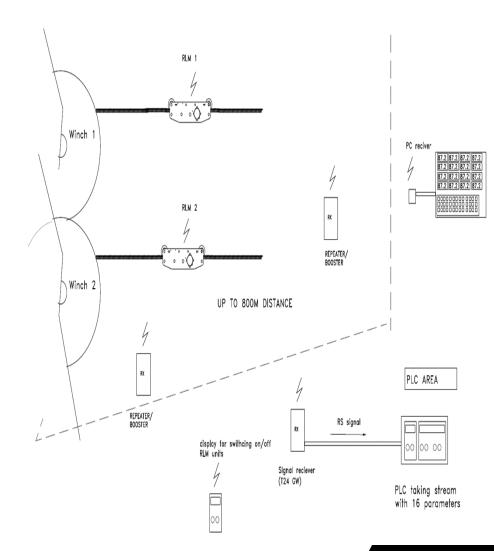




Multiple Lifting & Recovery Systems



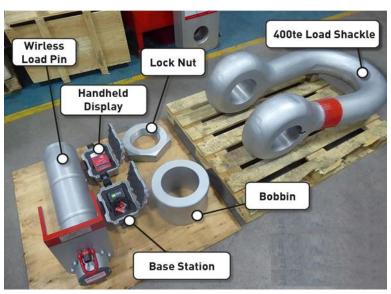




Specialist Rigging Projects









Repair & Maintenance

- Third party Load cells
- Calibration / Testing
- Repair / Inspection
- Proof Load Certification
- Cabled to wireless conversions
- Analogue and Digital Output Module Upgrades
- Stress Analysis and Measurement.
- Technician On Site Service
- Custom Load Pin Design and Manufacturing







Accreditation & Certification

DNVGL Accreditation: ISO9001:2015 , ISO140012015, OHSAS 18001-2017

SGS Baseefa: ATEX & IECEx





Equipment Certification:

BSI:

- 1998 Lifting Operations and Lifting Equipment Regulations.
- 2006 EC Machinery Directive.
- 1998 Provisions and Use of Work Equipment regulations.
- 2004 Metallic Materials Testing.
- 2003 Force Measurement and Calibration.

DNV:

2.22/2013 Standard for Lifting Appliances





MEMBERSHIPS:









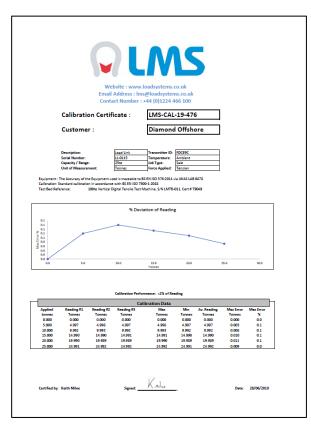




Standard Product Certification



	REPORT OF A	Revision		Page			
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EC Declaration Of Conformity

Report Of Thorough Examination

Calibration Certificate



Key Customers







































