

International Leader of Flexible, Adaptable Mooring Systems and Components

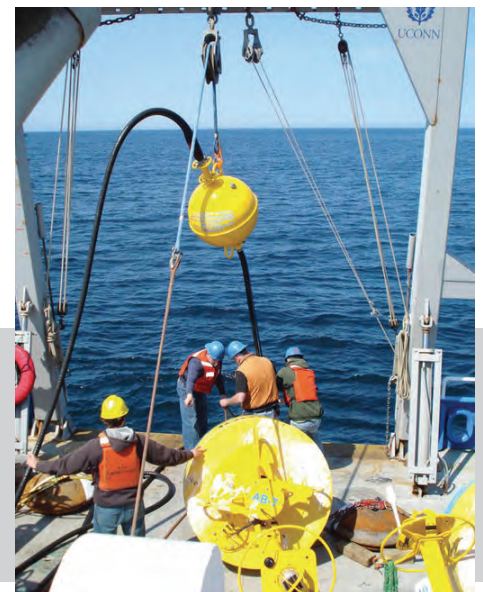
Delivering REAL-TIME monitoring from the Seafloor-to-Surface

EOM Offshore: INNOVATIVE, FLEXIBLE, AND RELIABLE

EOM Offshore

The EOM Offshore team has decades of combined experience in mooring design, on-board operations and logistics, and oceanographic solutions spanning the global ocean. Our experience in solving complex oceanographic challenges enables EOM Offshore to operate in all ocean environments and depths. From coastal shelf to full ocean, at all latitudes from equatorial to arctic, EOM Offshore provides solutions using our advanced marine technology.

With innovative, unique mooring projects and services divided into five core segments: metocean data collection including floating LiDAR, passive acoustic monitoring, mooring design and modeling, marine logistics and support, buoy and mooring system manufacture. EOM Offshore can support multiple market segments and objectives.



Follow us on:



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EOM Offshore's products have been designed to handle the energetic environment of the ocean, while continuously delivering real-time data from the seafloor-to-surface.

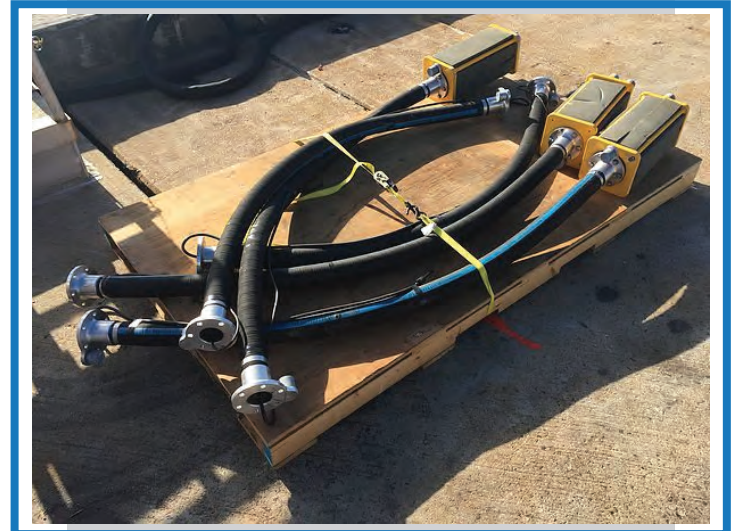
Electromechanical Chain

EOM Offshore's Electromechanical Chain (EM) Chain is a mooring element that delivers real-time data and power. It visually resembles EOM Offshore's stretch hose, but unlike the stretch hose, which elongates 2.5 times its original length, the EM Chain does not stretch or bend. This is due to its unique design.

EOM Offshore's EM Chain's strength derives from the use of marine chain (9/32", 1/2", or 3/4") encapsulated in an exclusive urethane blend, surrounded by coil wire itself protected by urethane and a tough outer hose. The EM Chain comes in various lengths from 2 m to 10 m, providing axial strength and bend resistance in the mooring. It will not hockle, and it is quieter than comparable steel link chain alternatives.

EOM Offshore's EM Chains may be used at any position in the mooring requiring data and power transmission, where compliancy is not required. The product is compatible with all of EOM Offshore's products (stretch hose, universal joints, anchor recovery system, and the multi-function node), and it easily integrates with other mooring subcomponents, allowing our products to be used in diverse locations at any depth.

EOM Offshore can design and build complete moorings systems that will support any need requiring fixed, real-time measurements in commercial, research, and defense applications.



Technical Specs

Material	6061-T6 Aluminum Termination, Internal Galvanized Mooring Chain, Proprietary Polyurethane Compound, Copper Conductor Wire, Durable Reinforced Rubber Outer Shell
Chain Material	1/2 inch to 3/4 inch Galvanized Mooring Chain
Conductor Arrangement	4, 6, 8 - 22 AWG (UTP - 24 AWG*)
Lengths	6.5ft/2m; 10ft/3m; 16.5ft/5m; 33ft/10m
Working Loads	7,000 lb / 3,200 kg at 2m to 15,000 lb / 6,800 kg at 10m
Voltage Rating	Up to 480 V
Data Rate	Up to 100 Mbps
Termination Flange Size/Bolt Pattern	4.5 inch 6 x 1/2 at 60° / 9 inch 6 x 5/8 at 60°
Design Life	3-5 years *Ethernet Available

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