

## MacArtney MERMAC mooring winch for MBARI

MBARI (Monterey Bay Aquarium Research Institute) has recently selected a MacArtney MERMAC SC mooring winch solution to empower the deployment and recovery of scientific moorings onboard MBARI vessels R/V Western Flyer and the R/V Rachel Carson.

The new mooring winch represents the second MacArtney winch system in operation with MBARI, adding to a MacArtney ROV and AUV tether management winch system in operation on R/V Rachel Carson.

### **Monterey Bay Aquarium Research Institute**

MBARI was founded in 1987 by David Packard and is located in Moss Landing, California, where its research ships and remotely operated vehicles are berthed with immediate access to Monterey Bay.

As a private, non-profit research center, MBARI is funded by The David and Lucile Packard Foundation and employs approximately 220 scientists, engineers, operations and administrative staff. MBARI ocean scientists propose and execute innovative studies, both experimental and theoretical - while engineers and operations staff develop and adapt supporting technology.

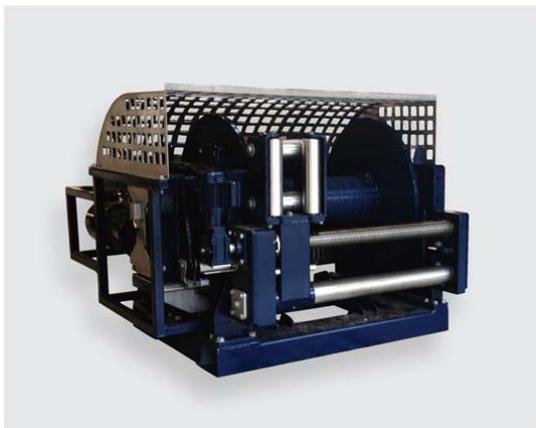
### **Ocean Science in Monterey Bay**

Monterey Bay is one of the most biologically diverse bodies of waters in the world, and the underlying submarine canyon is one of the deepest along the continental United States. This environment allows scientists to perform a multitude of studies which are relevant to the bulk of the worlds marine environments.

### **Application of the MERMAC SC Mooring Winch**

The new MacArtney MERMAC Mooring Winch is designed as a powerful self contained steel construction with protection frame, replaceable drum, level wind, gear box, electric motor and remote control.

Installed onboard MBARI scientific vessels, the winch will be used to effectively deploy and recover scientific moorings - offering a significant upgrade in terms of speed and performance when compared to the current system.



*The MacArtney MERMAC SC mooring winch*



*MBARI vessel R/V Rachel Carson*