

Measurement Technology NW designs and manufactures sophisticated testing and measurement instrumentation systems for a variety of commercial, research, and government clients worldwide.

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*Your source for advanced winch line control and monitoring systems*

## Project Profile #6 – Scripps Oceanographic Institution

"I think of my job as 90% preparation and 10% terror," said Paul Mauricio, Senior Chief Engineer for the R/V "Roger Revelle" operated by Scripps Oceanographic Institution. "Equipment breakdowns make my life miserable, so I work really hard to eliminate these kinds of problems before they happen."

The "Roger Revelle" is out to sea over 300 days a year conducting all kinds of physical oceanography, including towed arrays, ocean bottom mapping, biological surveys, and just about anything else the on-board scientists have in mind. But because weather, sea conditions, and tight schedules can be unforgiving, it's not unusual for researchers to get only one shot at collecting the data they need - which explains why reliable deck equipment is such a high priority on Paul's to-do list.

"The Revelle's old winch instrumentation system was not as robust as we needed, with a susceptibility to radio interference and a difficult to read LCD display," admitted Paul. "We began looking at replacement systems last year, and were immediately attracted to **Measurement Technology NW**. MTNW had worked with Scripps Institute on some previous projects, including the "Roger Revelle's" big scoreboard display, and we had heard from other

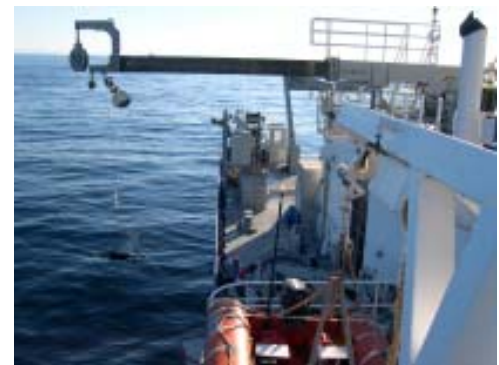


LCI users that their displays delivered excellent performance with almost zero downtime."



Certified for operation in temperatures from -40°C to 75°C, all LCI displays feature rugged NEMA 4X stainless steel and Lexan front panels, sealed stainless steel pushbuttons, and a bright 1/4 VGA electroluminescent display (with 160° viewing angle) that's clearly visible even in direct sunlight. Our compact LCI-90 displays have proven their durability and reliability time and again in some of the most extreme environments on earth. In fact, every LCI-90 display Measurement Technology NW has built over the years, *every single one*, is still hard at work out in the field.

"My crew and I have been very happy with the ship's new LCI-90 system," Paul confirmed. "The displays are stable and extremely reliable, and our scientists - particularly the guys doing bottom work - appreciate the accuracy and fast refresh rates. Their on-deck programmability is quick and easy, a built-in security feature keeps local configuration settings from being accidentally changed, and we can dump the LCI-90's RS-232 data stream straight to our shipboard computer for later review and analysis. Installation was painless too. Measurement Technology NW was super supportive every step of the way, even when at the last minute we asked for a display to be installed in the van used to



control our "Jason" ROV. They took care of it on the spot, and everything worked out great."

Measurement Technology NW produces a wide range of precision winch line control products, including the LCI-90 and LCI-100 series, WinchDAC software, and more. Give yourself one less thing to worry about by contacting MTNW at 206-634-1308, send an email inquiry to [ICI@mtnw-usa.com](mailto:ICI@mtnw-usa.com), or check us out online at [www.mtnw-usa.com](http://www.mtnw-usa.com).

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