Wave Buoy Assists Costa Concordia Salvage Operation

AXYS Technologies (Canada) supplied a TRIAXYS wave buoy to aid in the salvage operation of the Costa Concordia, which had a milestone moment when the vessel was placed upright on 16 September 2013 offshore Isola del Giglio, Italy.

The TRIAXYS wave buoy, which has been deployed near the vessel since January 2013, provides real-time directional wave data to the salvage crews performing the operation. This data helps the crew understand the wave conditions of the site and enables them to make informed decisions on whether technicians are safe to work on the water near the salvage site.

The TRIAXYS buoy uses the TRIAXYS Next Wave solid-state sensor, comprised of precision accelerometers, rate gyros, a fluxgate compass and the proprietary WatchMan500™ processor, to accurately measure directional waves.

The salvage company, Titan Salvage, is refloating the ship using caissons, and will tow it away from the popular tourist area off the island of Giglio on Italy's northern west coast.

Image: the position of the TRIAXYS buoy related to the Costa Concordia.