

Remote AIS AtoN Ocean Current Monitoring Systems at Cruise Terminal



Falmouth Scientific, Inc. (FSI) and RigStat have successfully installed ocean current monitoring systems with Aids to Navigation (AtoN) over AIS communications at the Puerta Maya Cruise Terminal in Cozumel, Mexico. The systems, which were installed on the two Puerta Maya Terminal piers, integrate FSI ACM-PLUS current meters with RigStat environmental monitoring systems to send

real-time current speed, current direction and water temperature data to incoming cruise vessels. This enhances the safety of the approach to the terminal. The data is displayed to the ship's captain as part of the standard AIS data stream.

FSI and RigStat teamed to provide a fully integrated solution that included instruments, hardware, battery backup, AIS communication, user interface software, and installation services. This integrated system can be purchased as a standard solution, or customised to accommodate special requirements for other ports and shipping terminals. The AtoN data format is now a standard data output option on the FSI ACM-PLUS family of current sensors.

AIS and AtoN

The Automatic Identification System (AIS) is a vessel location and information reporting system used by the marine industry as a worldwide standard. Aids to Navigation (AtoN) Transceivers are a sub-class of AIS which communicate critical navigation information such as marine hazards and meteorological data to benefit mariners and authorities.