



CASE STUDY SPORTS EVENT

15th FINA World Championships

The 2013 World Aquatics Championships were held from July 20 to August 4 in Barcelona, Spain. The championships featured 6 aquatics disciplines: swimming, water polo, diving, high diving, open water, and synchronised swimming.

THE CHALLENGE

The primary venue for the open water disciplines at the 15th World Aquatics Championships was the Port Vell, which is part of the Port Authority of Barcelona.

The port decided to use ROW system to check for oil pollution at specific checkpoints in Port Vell before the events started.

The open water disciplines include 5km, 10km and 25km individual events and 5km team competition.

Barcelona Port Authorities took the responsibility to maintain adequate water quality throughout the competition to protect competitors from all dangers.

In line with this, active mobile monitoring was carried out prior to each event to sweep the area for hazards that could harm swimmers health. In cooperation with Vixia Systems, they developed a contingency plan to foresee and prevent any damage caused by water contamination.



**BOAT INSTALLATION
ROW O-2200A**



**WIRED COMMUNICATION
RS 485**



**6 CHECKPOINTS CHECKED
PRIOR TO EACH EVENT**



**POLLUTION DETECTED
FOUR TIMES**



Throughout the championships daily monitoring of water quality was carried out, including the ROW sensor to detect oil pollution in the port's waters. Measurements were taken at sites of interest, previously analysed and selected by the Environmental Department of the Port of Barcelona.

On the day of the opening ceremony, 19th July, ROW detected oil in three separate checkpoints alerting the operational cleaning service of Port of Barcelona who immediately contained and cleaned the contamination. On the 20th, the first day of the championships, traces of oil were detected again in area off the race course, allowing officials to confirm that the danger had been removed before continuing with the event. Without this detection swimmers would have been exposed to unacceptable levels of hazardous waste, potentially resulting in illness to many of the athletes.

The FINA Organization Committee and the authorities from the Environmental Department of the Port of Barcelona were very satisfied with the results and experience obtained by ROW during the Championships.

We look forward to supporting the next World Aquatic Championships and other sporting events.

