

China's Western Pacific Ocean System Project to Use TRDI ADCPs



The Chinese Academy of Science's Institute of Oceanology in Qingdao has selected Teledyne RDI to provide its Acoustic Doppler Current Profilers (ADCPs) in support of the Western Pacific Ocean System project. WPOS is a five-year research project commencing in April 2014. The project includes the deployment of five research vessels, a remotely operated submersible and an array of sub-surface moorings off the east of the Philippines and Indonesia.

These resources will be utilised to examine the deep ocean and its connection to climate change and coastal environments. Six arrays, comprised of a total of 29 moorings, will be central to this programme. Each mooring will be outfitted with Teledyne RDI's 75kHz Long Ranger ADCPs, as well as a series of additional Workhorse ADCPs ranging from 150 to

600kHz. The ADCPs will be utilised to monitor ocean currents at depths of between 400 and 6,000 metres, including the powerful Kuroshio current, which runs northeast through the East China Sea.

Teledyne RDI's 38kHz Ocean Surveyor (OS) ADCP will also be used to collect detailed, deep-water current profiling data while their research vessel is underway. Teledyne RDI worked closely with their local representative, Laurel Technologies, as well as scientists and members of the [WPOS programme](#) to provide a comprehensive solution to meet the project's specific long-term needs. In support of this, and other near-term programs, Teledyne RDI will provide a total of 130 Longer Ranger ADCPs, 50 high-frequency Workhorse ADCPs configured in a variety of frequencies, and 1 OS ADCP. Teledyne RDI has already delivered a total of 113 ADCPs, including 62 Long Rangers in support of WPOS.

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