

# Advanced Wave Processing for Port-Log

OceanWise has recently added an advanced wave processing algorithm to its online environmental data sharing and publishing system, Port-Log. The algorithm has been developed by a market leading provider of waves processing software to the oil and gas industry. According to OceanWise's MD, Dr Mike Osborne, this new capability allows users to browse and view wave parameters, such as directional spectra, and partitioned time series, in real-time or historically, alongside other environmental datasets contained within the Port-Log system.

Port-Log is already processing real time data streams from a range of industry standard instruments, including directional wave buoys, downward looking radars, and upward looking pressure and motion (puv) recorders. The system utilises the raw and/or partly processed data from the sensor or multiple sensors, then extracts, transforms and loads it to Port-Log's backend data storage system, Ocean Database. Here the wave data can be combined with other environmental parameters where available. Historical datasets can be processed and stored making Port-Log an ideal long-term storage and web based display option. Port-Log is totally instrument independent and can accept data from multiple sensors from a range of different manufacturers such as Datawell, Nortek, RBR, RS Aqua, Teledyne RDI and Valeport.

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<https://www.hydro-international.com/content/news/advanced-wave-processing-for-port-log>

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