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Cloud data services link-up to provide real-time vessel monitoring and visualization

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Chetco Digital Instruments has partnered with Telemetryapp.com to offer a complete vessel monitoring and data visualization system based on cloud data services. By integrating CDI's HelmSmart.net vessel data acquisition and storage service with Telemetry's data board visualization, complete end-to-end vessel monitoring is now available with minimal configuration and virtually no development costs.

HelmSmart.net offers direct communication links with vessel sensor and instrument systems by leveraging already installed networks via its SeaSmart Gateways and provide internet access using established on-board equipment. Data is uploaded directly to HelmSmart.net Cloud servers for storage and retrieval using advanced search engine technology and Web APIs. With HelmSmart.net, clients pull both stored and live data for charting, mapping, tracking, graphs, alerts, and reports.



Telemetryapp.com is leading the way in offering cloud-base data visualization services where customers can quickly build sophisticated graphic boards using a library of tools and widgets, and display them on any compatible browser device or TV.

The new partnership creates a direct link between HelmSmart.net data collection and Telemetryapp.com visualization to offer customers a one-stop solution. HelmSmart.net customers can now instantly link selected live data feeds with Telemetryapp and start designing their own data boards on a single site. New Telemetryapp.com customers can be added directly from HelmSmart.net and receive a 90 day FREE trial before incurring a small monthly access fee.

“Telemetry’s data visualization services provides a key component in assisting our customer’s data analysis needs” says Joe Burke, CTO for Chetco Digital Instruments. “The goal behind HelmSmart is to

create a portal between vessel on-board data networks and the power of Cloud services such as Telemetryapp.com”, Burke adds. “With Telemetryapp.com we can offer a complete monitoring system without replicating development efforts”.

Telemetryapp’s standard WEB API’s simplify the task of linking data between services and leverages the common approach taken by both companies to share and exchange data across platforms.

“We’re excited to partner with Helmsmart. Both recreational boaters and commercial fleets will now have access to whole a spectrum of marine based real time visualizations that haven’t been this readily available before.” Chris Hilliard, Director, Telemetryapp.

HelmSmart™ is designed to simplify access to vessel network data by creating a common format for all sensors like fluid tanks, batteries, bilge levels, engines, weather, compass, sonar and more. Existing networks are supported including Ethernet, CAN Bus (J19), Wi-Fi, NMEA 2000 and NMEA 0183. SeaSmart Gateways provide the physical interface from vessel to cloud while HelmSmart™ provides the client visual interface. HelmSmart is compatible with other vendor protocols and equipment including Garmin, Navico (Lowrance/Simrad/B&G), Raymarine, Humminbird, Maretron, and Actisense. Once data reaches the HelmSmart cloud, it does not matter where it came from.

All that is required to start using the HelmSmart™ service is a SeaSmart Gateway and internet connection. SeaSmart adapters can access the internet directly via WiFi hotspots, Cellular networks, cable modems, and Ethernet. If no connection is available, SeaSmart will record data to local SD memory which can be later uploaded to the HelmSmart servers using built-in browser interface. The SD memory cards can hold over a years’ worth of data and can be removed for manual upload. Data can be also uploaded directly from any PC/Laptop with an internet connection and network gateway such as a NMEA 2000 to USB adapter from Chetco Digital or Active Research. SeaGauge products are also available to convert up 16 sensor outputs directly to PushSmart™ Protocol and send directly to HelmSmart servers without requiring a full on-board network.

For further information on HelmSmart visit www.HelmSmart.com. Guests can access the live site at www.HemSmart.net and view actual sample data. SeaSmart.net products are available directly on-line at www.seasmart.net and www.digitalmarinegauges.com . Pricing starts at \$395 for USB/Serial and \$495 for the basic NMEA 2000. Volume and kit pricing is available.

For more information on SeaSmart.Net™ visit www.seasmart.net. For SeaGauge™, and other Chetco Digital Instruments products, and where to buy, see our web site at www.digitalmarinegauges.com.

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