

S-102 Enabled Situational Awareness

SOFTWARE AND HARDWARE ENABLING A SAFER FUTURE

Teledyne CARIS and Trelleborg Marine

Teledyne CARIS has been at the fore of industry participation defining and implementing S-100 Standards, offering technical expertise and guidance to the international teams charged with the creation of these revolutionary future product specifications. S-102 used in conjunction with ENC's and other S-100 products, such as surface currents, represents a vast digital leap for safe navigation and deeper levels of situational awareness on our oceans.

Teledyne CARIS and Trelleborg took to opportunity to enable support for S-102 v2.1 enabling sea trials with pilots from multiple ports, using the new datasets in day-to-day activities.

The trial has been a huge success with just some of the key advantages expressed by the pilots being:

"Safety is increased as mariners get a highly detailed view of the seabed to help them make informed decisions about where to go— and where not to."

"S-102 data makes it possible to get accurate real-time distances from own vessel to safety and shallow contours, adjustable in 10 cm steps, either manually or automatically based on draught, tide, and desired under keel clearance."

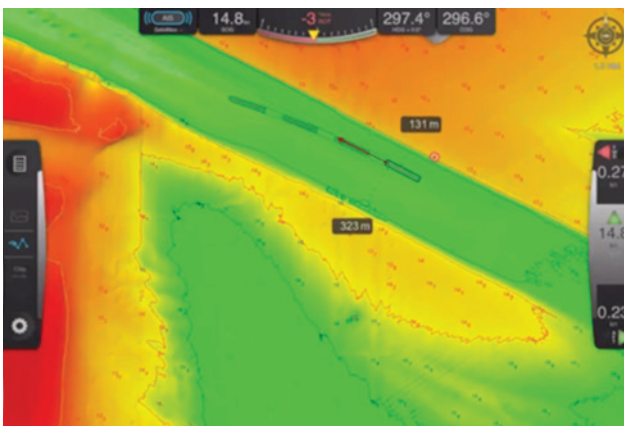


Figure 2. S-102 enabled data



Figure 1. Non S-102 enabled data

"Vessel traffic can be maximized as it is possible to get very close to the limit regarding under keel clearance and still be safe. No longer necessary to wait for the perfect tide to feel confident."

"Dredging to maintain a certain depth in channels and other areas has negative environmental impacts and is very expensive. With S-102, less dredging is required as mariners can see exactly where the dredged areas are and stay within their boundary."

We're excited to collaborate with industry and our clients. Leading the revolution in Blue economy navigational products and services.

For more information and latest industry updates head on over to:

www.teledynecaris.com/s-100-services/

&

www.trelleborg.com/en/marine-and-infrastructure/products-solutions-and-services/marine/navigation-and-piloting