

Echosounder extends its range

The latest EM 710 multibeam echosounder “sets new standards for seabed survey by increasing range and swath coverage by up to 40%” according to its manufacturer, Kongsberg Maritime.

Describing the EM 710 as “the de facto industry standard multibeam echo sounder”, Kongsberg said the MK-II has a top range of about 2,800 m, “a significant improvement over the original version’s 2,000 m, while swath coverage has increased to

3,000 m from 2,000 m.

Achieved by “increasing the frequency band used when transmitting from 40–100 kHz, it will reduce end-user survey times”, Kongsberg added. “All users of the original EM 710 will be able to upgrade to the MK-II by replacing some hardware and software in the transceiver unit.”

» www.kongsberg.com

Octopus dredger unveiled

Italian dredger builder Italdraghe has scored an immediate success with the highly versatile, amphibious Octopus dredger design, having already sold the launch vessel and won orders for two more.

“It’s been sold to Italian contractor Adriacos and, when it’s commissioned in a few weeks, will probably be set to work on a beach replenishment project in the Veneto region of northeast Italy,” Italdraghe export manager Sarah Helen Baulk told *IHS Maritime*.

This first Octopus dredger has a dredging depth of 6.5 m and

boasts features “that allow the dredgemaster trouble-free operation in a wide range of environmental conditions.”

“The dredging arm, which can rotate at a 175° angle, is fitted with a BDC 250 dredging head that incorporates a dredge pump and eight-blade cutterhead in a single unit. This head can be interchanged with a 500-litre excavator

bucket, as well as with a wide range of other accessories, including vegetation cutters and pile drivers.” Self-propelled, the Octopus is powered by a C13 Iveco 12.8-litre engine that gives 510 hp continuous power at 2,100 rpm. Its Italdraghe-brand 100 HP rudder propeller has 40°+40° rotation, allowing the vessel to navigate independently between work sites. It also features two spuds at the stern and twin lateral stabiliser arms.

“This decidedly flexible dredger has been immediately popular,” Baulk concluded, “as can be seen by the fact that another two Octopus dredgers are already under construction for a client in southeast Asia.”

» www.italdraghe.it



In defence of Venice

Trelleborg has won a contract to design and install multiple fenders and bespoke sealing systems for the EUR5.5 billion (USD6 billion) MOSE project in the Italian city of Venice.

Designed to safeguard the Venetian lagoon, Venice, and its neighbouring cities from high tidal variations, MOSE is part of a systemic programme combining physical defence with restoration of the morphological equilibrium

of the entire lagoon ecosystem.

About 85% complete, MOSE features a series of barriers installed at the lagoon’s three inlets. Consisting of steel gates installed end-to-end, they are normally invisible, resting in special housings in the inlet beds. When high water is forecast, they are raised to isolate the lagoon from the Adriatic.

The main contractor is Clodia. Its official, Diego Zandolin, said, “We needed multiple made-to-

order sealing system solutions and Trelleborg was able to meet our requirement with a combination of highly resilient natural rubber seismic Gina gaskets – a moulded and handmade seal manufactured to the highest tolerances – as well as Omega seals. The closed Gina gaskets will be mounted on the barriers and act as a dynamic seal, ensuring watertight protection. Trelleborg’s Omega seal will act as a secondary seal between the sectional elements of the barriers.”

» www.trelleborg.com

» Digest

Keys to safer locks

PIANC, the World Association for Waterborne Transport Infrastructure, has published *Ship Behaviour in Locks and Lock Approaches*, which builds on two previous 1986 and 2009 PIANC reports designed “to give designers of locks and organisations that operate locks more insight into the troubles that vessels might encounter and to provide guidance on how to avoid them”.

» www.pianc.org

Composer 3 has S-100 support

CARIS has released S-57 Composer 3, a desktop application for the production of electronic navigational products, including navigational charts, additional military layers, inland navigational charts, and digital nautical charts.

“Utilising the same workflows for creating S-57 and VPF products, users will be able to create sample S-100 datasets from scratch or convert existing S-57 and DNC data,” CARIS’ product manager Cameron McLeay said. “The S-100 data can then be exported in formats like GML for immediate use in a range of geospatial applications. S-57 also includes many new functions for feature mapping, extended support for Open Geospatial Consortium and other data formats, and a series of system improvements.”

» www.caris.com

Imtech launches RHServiceNow

Under its service and navigation/communications brand Radio Holland, Imtech Marine has launched a smartphone service app “to allow owners and operators around the world to quickly find the nearest Imtech Marine/RH service location”.

» www.imtechmarine.com/rhservicenow