

productdevelopment

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Compact IP Camera



LUXUS provides IP capabilities that enable direct network connection for remote viewing and management. A 12- to 24-VDC supply powers the camera and consumes only 3.5 W, making it energy-efficient for prolonged use. The resolution is 1920 x 1080 at 25 fps (2 mp). LUXUS offers a 95° horizontal angle of view of in air and 72° in water, with a focus length of >0.5 m (F 2.0). It supports multiple control options, including ONVIF (S), and features fully automatic or manual gain and exposure settings. MacArtney Benelux BV.

Citizen Science Reporting

The latest SonaSoft software update builds on the existing Data Sharing Program by introducing the ability for users to report whale sightings and floating trash/debris. Through a simple pop-up box, users can log observations of whales or trash/de-

bris with a single input. Each sighting is automatically geotagged and time stamped, then it can be securely uploaded and anonymized. Data are shared with trusted partners, including Whale Alert and Ocean Wise for whale sightings, and Eyesea for trash/debris reports. FarSounder Inc.

Cyberattack Prevention

External Attack Surface Management (EASM) offers real-time asset discovery, instantly mapping exposed digital assets across your environment. Vulnerability detection occurs with identification of unpatched systems and configuration issues. Threat intelligence is integrated by leveraging insights from global threat feeds curated by Marlink's cyber experts. EASM provides 24/7 monitoring. Marlink.

Tailshaft Bearing

RiverTough is primarily a retrofit solution but also increasingly specified for newbuilds. It is designed for coastal and inland waterways, where conditions are typically muddy and abrasive. The solution, applied in combination with hard-coated nickel-chrome-boron Thordon shaft sleeves, has been ver-

ified as outlasting rubber bearings by a factor of two or more in the harshest operating environments. Thordon Bearings Inc.

Undersea Threat Detection



PointShield's new version for the detection of manned and unmanned submersibles is designed for installation on a variety of platforms, ranging from maritime vessels to ports. Rapidly deployable, the portable sonar system is ready to respond quickly to potential threats. With fully automatic detection, classification and alert capabilities, the system does not require a real-time operator. It effectively detects underwater intruders, including divers, diver propulsion vehicles and AUVs. DSIT Solutions Ltd.

pH Sensors

Production and service has restarted for the Shallow SeaFET and Shallow SeapHOx, featuring advanced ion-sensitive field effect transistor (ISFET) technology. They are ideal for all coastal applications up to 50-m deep. Shallow SeaFET V2 uses ISFET for stable, long-term pH

SEA CATCH
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Designed exclusively for the safe release of a line or object under load.

measurements in saltwater for applications such as ocean acidification research, coral reef research, coastal marine biology, and environmental monitoring. The Shallow SeapHOx V2 combines the Shallow SeaFET V2 with the SBE 37-SMP-ODO MicroCAT CTD+DO sensor for comprehensive data collection of pH alongside critical oceanographic and biological measurements of temperature, salinity, and oxygen. Sea-Bird Scientific.

Compact Navigator



A fully integrated navigation solution, the Compact Navigator is ideal for small vehicles, enabling inspection and survey applications. Small ROVs and AUVs can perform high-accuracy structure inspections, hydrographic surveys, and mine countermeasure missions in deeper waters. The DVL bottom track range is up to 420 m, enabling operation in the littoral zone independent of USBL. Safe navigation is ensured in areas where GNSS is challenged, actively denied or spoofed. Teledyne Marine.

Pipeline Visual Monitoring

LineVu Discovery is a real-time visual system that empowers gas pipeline operators to detect liquids, mist, and other contaminants as they occur, providing immediate, actionable intelligence to improve measurement accuracy, optimize maintenance, and enhance safety performance. Process Vision Ltd.

Carbon Capture

This solution is proven to reduce vessel CO₂ emissions from ship exhaust systems by up to 70 percent, providing shipowners with an im-

mediate solution to meet increasingly stringent environmental regulations. Different scalable sizes and configurations are on offer to suit various vessel types and operator needs, both on newbuilds and retrofits. The system can be applied to the exhaust from any carbon-based fuel (HFO, methanol, LNG and MGO) and can work alongside other emission reduction technologies, including SOx scrubbers, NOx reduction systems, and particulate matter filters. Wärtsilä Marine.

Real-Time Drilling Data

This joint solution drives automation and provides a single source of truth for survey, BHA, and well-planning data, empowering operators and service companies to make faster, higher-confidence decisions without sacrificing production targets or HSE standards. Users can analyze real-time drilling data in a dedicated, always-connected app. Corrected inclination and azimuth measurements feed directly from the rig as drilling progresses.

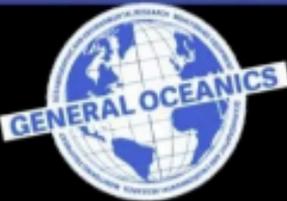
Peloton Computer Enterprises Ltd. and Innova Drilling & Intervention Ltd.

Giga-Scale Hydrogen Production

P2(H₂)Node's standardized architecture will streamline the green hydrogen industry by replacing bespoke projects with a uniform approach that co-locates giga-scale hydrogen production with wind and solar farms, ensuring power is used where it's generated. This system lowers production costs by 10 to 20%, which will enable faster, large-scale hydrogen adoption for industry. Built-in energy storage allows for more consistent flow delivery to customers via line packing of hydrogen pipelines. InterContinental Energy.

Electric Workboat

VITA Seal has a range of applications, including debris removal and emergency response. The vessel features zero emissions, near-silent operation and easy plug-in charging. VITA Power. **ST**



General Oceanics, Inc. introduces its new 2nd Generation model 8060 autonomous pCO₂ monitoring system.

For continuous measurement, recording and transmission of sea surface CO₂ levels

- Efficient continuous equilibration of sea surface water
- High accuracy Infrared analysis of CO₂ with a Licor 7815
- Automatic calibration for long-term deployment
- Autonomous operation; minimal user intervention

- Flexible integration with other oceanographic sensors
- User-friendly interface: intuitive software for data collection
- Robust design for marine environment and long-term deployment
- Onboard laptop computer



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