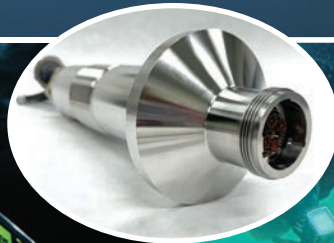
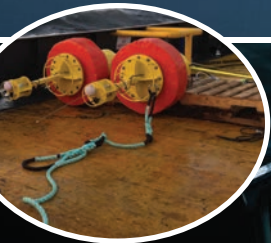


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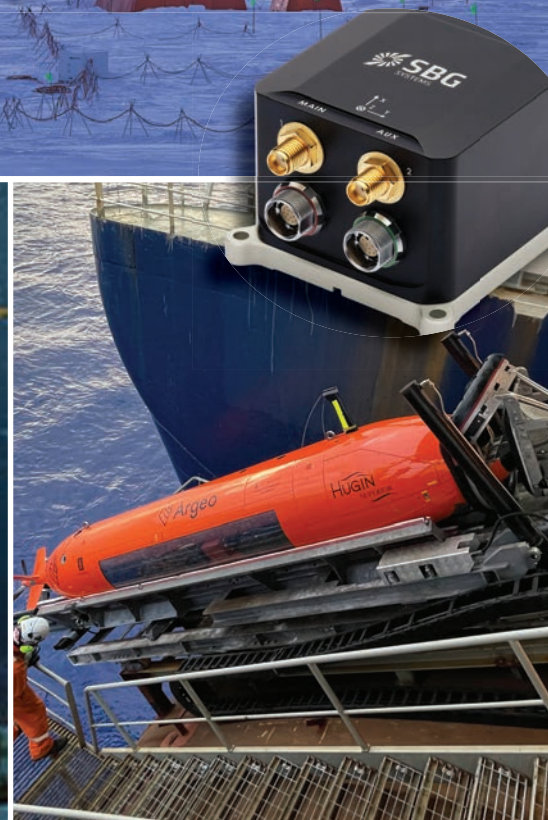
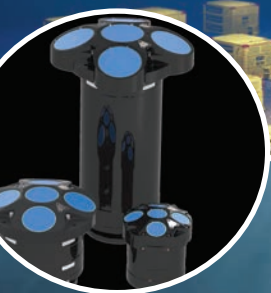
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The 19th Annual

MTR 100

The tech, the people, the companies leading the subsea sector



BIRNS



President/CEO: Eric Birns
www.birns.com

BIRNS is celebrating its 70th anniversary as a leader in the design and manufacture of connectors, penetrators and cable assemblies for deep ocean use. BIRNS solutions are found worldwide on submarines and submersibles, diving bells and decompression chambers; ROVs, AUVs and UUVs; and on everything from massive crewed systems to photonics masts and intricate towed arrays. BIRNS interconnect products deliver superior performance: faster data transfer for better telemetry and communications, and safer, more reliable power distribution in severely demanding environments. The company has invested in a new state-of-the-art extreme depth hydrostatic pressure testing facility. The new system includes a custom designed pressure vessel capable of tests to 20,000 psi (1380 bar) and which features angular positioning and can simulate sinusoidal motion. The facility also allows technicians to utilize more than one testing vessel concurrently, to provide greatly increased throughput. BIRNS technology includes:

Hi-amperage connector series

BIRNS answered the industry's call for enhanced current capabilities and launched the 225 Amp BIRNS Meridian series this year — a high performance, high current dry-mate interconnect range suitable for deep submergence applications. The series is available in straight or 90° configurations and offers standard and reverse-gender options, all withstanding reverse pressure. BIRNS Meridian connectors are open-face rated to 6,000 meters and select sizes are DNV

Type-Approved for 6,000 meter rated crewed submersibles. Compact and extremely robust, they are ideal for battery packs and thrusters for crewed and uncrewed subsea vehicles that require high amperage power transfer.

6km open face RF cable assemblies

Recent stringent testing has led to 75Ω and 50Ω coax 1C configurations of the popular BIRNS Millennium connector series receiving certification to open face pressure to 6km. BIRNS had already been leading the industry in low insertion losses and high frequency capability matched with pressure resistance capabilities for years—with the latest 40 cycle testing at 8800 psi showing attenuation of only -0.35dB at 3.0 GHz with a VSWR of 1.2.

Advanced Penetrator Solutions

BIRNS introduced new 6,000m rated DNV type approved penetrators, and sophisticated new high density hull penetrators for military submarines this year.

