

HIGH PERFORMANCE NEWS

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PDA: PUBLIC DISPLAYS OF APPROVAL

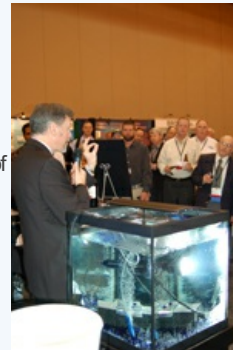


BIRNS recently received American Bureau of Shipping (ABS) Product Design Assessment (PDA) Certification for our tremendously popular lines of penetrators. This certification process included rigorous testing and review by the national organization, and resulted in ABS pre-approving all design, drawing and test procedures for its electrical penetrators and cable assemblies for underwater vehicles, systems and hyperbaric facilities for use on a variety of ABS-class vessels.

PDA certification is yet another in a long line of design and testing milestones for our 57-year-old ISO 9001:2008-certified company. "We are honored

BLINDED BY THE LIGHT

At the 2011 Underwater Intervention show, we introduced the most powerful, cutting-edge underwater vehicle light on the market: the BIRNS Aurora™. This new high intensity Light Emitting Plasma (LEP) deep submergence light provides dazzling 14,000 lumen brilliance to usher in the next generation of extreme depth subsea lighting systems.



LEP is an exciting new lighting technology that is a more powerful and efficient alternative to LED, Tungsten Halogen and Metal Halide lighting. Its light sources use a solid-state device to generate Radio Frequency (RF) energy to power a plasma light source. Unlike traditional metal halide lights, the BIRNS Aurora does not require metal electrodes to drive power into the source, thus has a more robust quartz vessel. This unique, compact LEP light has a 30,000 hour lamp life, produces a continuous spectrum, and delivers an exceptionally high lumen density—in fact, the single bulb (smaller than a tic-tac—approximately 2 mm long) produces a blazing 14,000 lumens of brilliant white light at 5,300K, at a Color Rendering Index (CRI) of 94.

KEEPING A LOW PROFILE



BIRNS' history spans half a century—and includes shaping the technology of the commercial diving market with new and better ways of working at depth. Enter our latest innovation: the new, low profile BIRNS Aquila™ Articulating Helmet Mount—the most versatile helmet

light mount in the diving industry.

This lightweight, adjustable mount is tailored for one of the company's most popular lighting families—for the BIRNS Aquila™, BIRNS Aquila-LED™ and BIRNS Aquila-UV™. Designed by Jeff Kirby, BIRNS' Mechanical Design Engineer (and eldest son of Bob Kirby, of Kirby Morgan helmets) it's designed with exceptional safety and performance attributes, and tailored to fit on the faceplates of the entire line of Kirby Morgan DSI helmets. The innovative design allows for articulated movement of any BIRNS Aquila to swivel in all directions, providing an unmatched level of flexibility in usage.

This revolutionary new BIRNS Aquila Articulating Helmet Mount sets the benchmark for safety as well as utility, engineered to help prevent cables or equipment from catching on the light or bracket. Crafted from black anodized aluminum, its low profile (a mere 3.5" exposed profile above the helmet surface) lends itself to safe and

to receive this prestigious certification for our penetrator design, drawing and testing protocols, and to have the opportunity to provide yet another industry benchmark of safety, high performance and excellence to our customers," says Eric Birns, President and CEO.



**BIRNS will be exhibiting
in booths 208 & 210 at
SUBSEA SURVEY IRM
2011 December 13-15th.
Stop by and see us!**



QR CODE:



accurate usage in a wide range of diving conditions. The exclusive design features a quick release locking handle for seamless positioning adjustment, and it can be fastened to either side of a helmet in seconds.

CUTTING EDGE PERFORMANCE & DESIGN

That's what our products are known for, and now we have a new website that fits that bill, too. We're tremendously excited about the recent launch of our all new interactive website at www.birns.com, featuring highly sophisticated technical and performance data, compelling, professional product and in-use images, and seamless navigation tools. The newly redesigned www.birns.com extends the communication reach of our award-winning company, to better serve our growing network of subsea, commercial diving, military and nuclear power customers.



BIRNS is known for its long, successful heritage of delivering a wide range of technologically advanced products for the planet's most demanding environments. Now the exciting new BIRNS web site leads the industry, providing exponentially expanded content, downloadable 3D models, manufacturing and testing processes, case studies, events and streaming media, including BIRNS In The News, integrated social media platforms and a user friendly media section for downloadable materials. The dynamic homepage even has a riveting slideshow of four different extreme applications of BIRNS products in use: BIRNS connectors and high power motor cable assemblies at the South Pole, an underwater shot of a commercial diver with a BIRNS LED worklight, a nuclear reactor illuminated with BIRNS floodlights, and an undersea shot of a manned research sub with BIRNS man-rated penetrators and custom cable assemblies. No canned images here—just the real thing in action!

BIRNS, Inc.
1720 Fiske Place Oxnard, CA 93033 | Phone: 805.487.5393 | Fax: 805.487.0427
service@birns.com | www.birns.com

ISO 9001:2008-Certified

