

SEE THE LIGHT

James Tupper looks at the new BGB Submersible Inductive Lighting System (SILS) using induction contactless technology to power LEDs for exterior lights

Developed from a seemingly impossible idea, BGB SILS has proven the underwater lighting industry wrong by manufacturing and patenting a powerful contactless underwater lighting system without having to penetrate any surfaces such as the hull of a yacht.

The new BGB Submersible Inductive Lighting System (SILS) uses induction contactless technology to power the LEDs used within the exterior light. Electromagnetic induction is the near field wireless transmission of electrical energy between two coils that are tuned to resonate at the same frequency. The two coils may exist as a single piece of equipment or comprise two separate pieces of a singular unit.

BGB SILS operates by positioning the primary unit (the housing for all the inverter electronics and communication control) on the inside of the marine vessel, lined up with the secondary unit (the luminaires and drive circuitry) on the exterior of the

vessel. Both units are positioned in place by marine grade adhesives. The operator can tune into the surrounding SILS wifi zone (approx. 50m) with their tablet, mobile device or Apple Watch and control the RGB-W coloured LEDs with a simple slide of a finger through a bespoke BGB App.

SILS does not require any drilling or penetration of the hull in any way (an obvious benefit of using induction systems in the marine industry). The lights can be easily retrofitted without fear of leaks or bad workmanship by an outside electrician and gives peace of mind that the vessel has not been weakened in any way with a hole.

James Tupper sales and marketing manager at BGB SILS spoke about the feedback he has received from the yachting industry, "All feedback has been 100% positive, from CEOs of major boat manufacturers through to captains, marinas, shipyard owners and even our competitors."

"In the early days of development back in 2012/13 we visited Sunseeker to show them an initial concept, the feedback they gave us inspired us to continue development and gave us the confidence to continue the investment in the R&D."



BGB's manufacturing expertise and technological know-how has been the driving force behind patenting the inductive control technology. SILS is manufactured in the UK under parent company BGB Innovation and will be available Autumn 2016.

For more details Tel: +44 (0)1476 576280 or visit www.bgbsils.com

