





We are a:

Builder of Partnerships

Generator of Solutions

Brightener of the Future

"We focus on specialist engineering and creative activities in the pursuit of effective solutions to tough challenges."

David R Holt,
CEO

*All pictures used in this brochure are for representation only, actual product and light output may differ.

Making The Impossible Into Reality...

BGB SILS is a luxury underwater lighting brand from BGB. BGB have a long pedigree of supplying underwater lights and cameras into various industries. As a UK & USA based manufacturing company, BGB is constantly striving to locate new markets with new innovative products.

SILS - Submersible Inductive Lighting System, is a first for boat owners who previously have only been able to buy 'through hull' systems requiring penetration of the boat skin.

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.

BGB's range of underwater lighting products are exported throughout the globe.

SILS - HOW IT WORKS

The Clever Bit...

Electromagnetic induction (near field) is the 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 having 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 or mobile device and control the RGB-W coloured LEDs with a simple slide of a finger via a BGB App.



* Full Technical specification available on BGB website: www.bgbsils.com

SILS - HOW IT WORKS

No Drilling Of The Hull Required

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.

BGBs manufacturing expertise and technological know-how has been the driving force behind patenting the inductive control technology. This allows BGB to be the only underwater lighting manufacturer to be able to offer control of inductive power transfer for lighting within the maritime industry.



Fitting

SILS is easily fitted with a BGB alignment tool and specific marine grade adhesive.

Currently the vessel has to be onshore in dry conditions in order to fit SILS, but future development will aim for fitting to be achievable whilst in water.

IPS and Shaft drives are typically easier for light installation than Out drive systems. A full survey of the internal space is always recommended before purchase.

SILS - FEATURES & BENEFITS

Unique Technology

The advanced technology used in SILS gives it a uniqueness over its competitors. The main features and benefits are:

Features:

- Contactless technology
- Cool running LEDs
- Sleek ergonomic design
- 10W LED Output per lamp chip
- Colour mix, dim, SOS, white and RGB
- Specially developed housing
- Superior environmental and corrosion resistance
- Inbuilt BGB control system to manage colours via remote control or via mobile / tablet device using bespoke BGB App
- Borosilicate Toughened BK7 Lens
- Equivalent heat transfer to Stainless Steel
- Lightweight housing - reduction in weight compared to stainless steel
- No need for inversion (24v system)
- Retrofittable



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SILS - FEATURES & BENEFITS

Benefits:

The benefits of not having to drill extra holes in your yacht are clearly obvious, but SILS also offers these extra positives:

- > No penetration / No drilling of hull required
- > Longer life LEDs – no need for lamp changing
- > Streamline shape to reduce drag
- > Ultimate choice of colour to match moods, water conditions, fishing patterns or just general fun
- > Up to 50 light units on one control system (add another control system for 50+)
- > Easy to change colours via smart phone, tablet devices and Apple Watch via a BGB App
- > Programmable light colour sequence
- > Cool Polymer housing is used for thermal conductivity to provide proven superior corrosion resistance over 316 stainless steel, marine bronze or hard anodised aluminium



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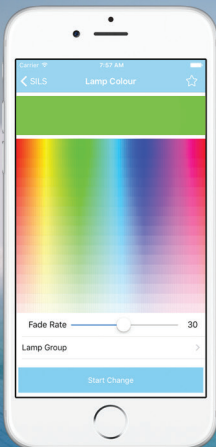
SILS - SMART PHONE & TABLET INTERFACE

Mobile Interface

The Submersible Inductive Lighting System can be fully controllable via a mobile device such as an iPhone or iPad. The device can control the colour mix, dim, white and RGB effect.

SILS has an inbuilt BGB control system to manage colours via a unique bespoke BGB App on a mobile / tablet device. It can now also be controlled via the Apple Watch!

The user can also choose from an ultimate choice of colours to match moods, water conditions, fishing patterns or just for fun.



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SILS - NEW TECHNOLOGIES

Enhancing Customer Products

As an output from our strong R&D & testing culture, we are able to deliver exciting new technologies to our customers.

We created our dedicated R&D & testing platform to achieve one main objective, to continuously deliver disruptive technologies to the market place. Technologies that wow our customers and offer them the very best in the market. It is important to us that our clients products and services do not stagnate and we can offer a solution to their problems.

We believe in 'value innovation' which means instead of focusing on beating the competition, we focus on making the competition irrelevant by creating a leap in value for buyers and distributors, thereby opening up a new and uncontested market space.



* Full Technical specification available on BGB website: www.bgbsils.com

WHY BGB?

Innovative, Quality, Cost Effective Solutions

BGB has a long pedigree of providing quality, cost effective engineering solutions (slip rings, brush holders, FORJs, hydraulic joints and marine lighting assemblies) into global industries.

So why choose BGB...

BGB are the first engineering company to produce a powerful contactless underwater lighting system for the maritime industry

BGB currently provide products to many of the industry leading companies in the world, including Vestas (wind energy), Marine Harvest (aquaculture), Cummins (generators) to name but a few

BGB are certified to the following International Standards: ISO9001-2008 Quality and ISO14001 Environment

BGB distribute worldwide and have won many accolades, including The Queens Award for Export



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