

# We keep You operational ....



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## Our goal

With unrivalled quality and precision Scandinavian Boiler Service provide a full-range concept of effective service, repair, spare parts and technology solutions to marine boiler systems all over the world.

We create value by always being available and by working closely together with our customers on their conditions with the shared goal of keeping their boilers operational...

- Enthusiastic and open minded
- Inquisitive and eager to develop new solutions
- Committed to deliver
- Team players
- Socially and environmentally responsible

## World wide available service



## News

### 2012-06

SBS is working on the development of the boiler and burner integrated PLC system named SBS-BBMS which will have premier this year

### 2012-03

Scandinavian Boiler Service d.o.o. Successfully passed ISO9001:2008 classification for „Service and retrofitting of Marine boiler or similar systems, development of software solution, project documentation and products for same”.

### 2011-11

SBS successfully commissioned automatic combustion controller SBS-ACC-3B on the 75T/h multi burner boiler system.

### 2010-06

SBS Developed & commissioned first SBS-FMU based upgrade of the steam atomising burner. Our solution provided additional F/A curve in the system which Was not designed for dual fuel operation.

## SERVICE



## ENGINEERING



## PRODUCTS



## MGO CONVERSIONS



## SERVICE

SBS provide the full range of services to all makers of marine burners and control & combustion systems. Our automation specialists perform inspections, troubleshooting, maintenance, service, upgrades, conversions, installations and personnel training.

Moreover SBS offer tailor made solutions for regular inspections, pre-docking inspections and maintenance service agreements with focus on optimizing the burner and control system operation.

SBS also has long experience with commissioning of the new buildings and commissioning of the LS MDO upgrade solutions.

All jobs are completed with thorough instruction of the personnel together with a full report containing a description of the work executed, condition of the system and advice for maintenance.

## ENGINEERING

Our engineering division excels in preparing for larger upgrades and conversions. Design, calculations and modification drawings are conducted by our experienced engineers to ensure smooth execution procedures, they are in close contacts with our service engineers, ensuring real feedback from the process field and giving us advantage to develop system which are user friendly and can provide better performance.

SBS is providing engineering solutions which can use equipment from different manufactures and for different manufacturers of the boiler systems.

We are specialized in the development of the software solutions for the PLC based systems, industrial controllers,... All of which are conducted according to the ISO9000:2008 and guidelines ISO90003:2004.

Our range of services also includes making of the electrical drawings, and project management.

## MGO solutions

SBS-FMU Solutions based on the Feedback Manipulation Unit ensures that systems which are not designed to run on dual fuel (HFO & LS MGO) have additional Fuel/Air curve for the MGO operation, ensuring optimum performance on both fuels.

SBS-ACC-1B Solutions based on the Automatic Combustion Controller ensures that systems which are not designed to run on dual fuel (HFO & LS MGO) have additional Fuel/Air curve for the MGO operation, ensuring optimum performance on both fuels. This is mainly used when present controllers are obsolete and this is installed as retrofit ensuring availability of spare parts in future.

SBS-ACC-3B Same as above but for boilers with up to 3 burners installed on 1 boiler. These are very complex systems and we managed to offer retrofit solution for obsolete Gaudelius & Shimadzu controllers, which are expensive and hard to get.

## PRODUCTS

+MGO-CC Solutions based on the FMU product, which are installed and prewired, so we save time on commissioning.

+MGO-PCC Are Pump Control Cabinets designed to ensure full automatic operation of the boiler system on both fuels.

SBS-BBMS Represents Boiler & Burner Management System, which is integrated system for the: sequence, combustion, water level controllers, master-slave operation, alarm and monitoring,...

Our solution is designed to retrofit obsolete PLC's for which on the market is hard to get spare parts and support. All components are type approved by major marine classification societies, and our development of software is conducted according to the ISO 9001 and ISO 90003 guidelines. Our solution also offers Boiler Mimic Panel To ensure that our retrofit solution will be for the crew very familiar and ensures that they will very easily operate it.

## SPARE PARTS

From OEM to tailor-made. Essential to the full-service offer of Scandinavian Boiler Service is our broad range of spare parts. SBS offers most parts for any make of burners, e.g. electrical components and control panels. It is also worth to mention that SBS provides both Original Equipment Manufacturers (OEM) parts and tailor-made solutions designed and produced by SBS or our broad network of manufacturing sub-suppliers.

Fast delivery. SBS world-wide presence and strong sourcing discipline allows us to offer our customers very competitive price levels. Internally we have short and efficient working procedures.

SBS Croatia offers key automation components on stock, so our customers can benefit with faster service.

Repair and reconditioning. A signature service of SBS is repair and reconditioning of spare parts such as electronic print cards and rotary cups including balancing.

