



# Marine Boiler Solution

**Boiler Primeserv**

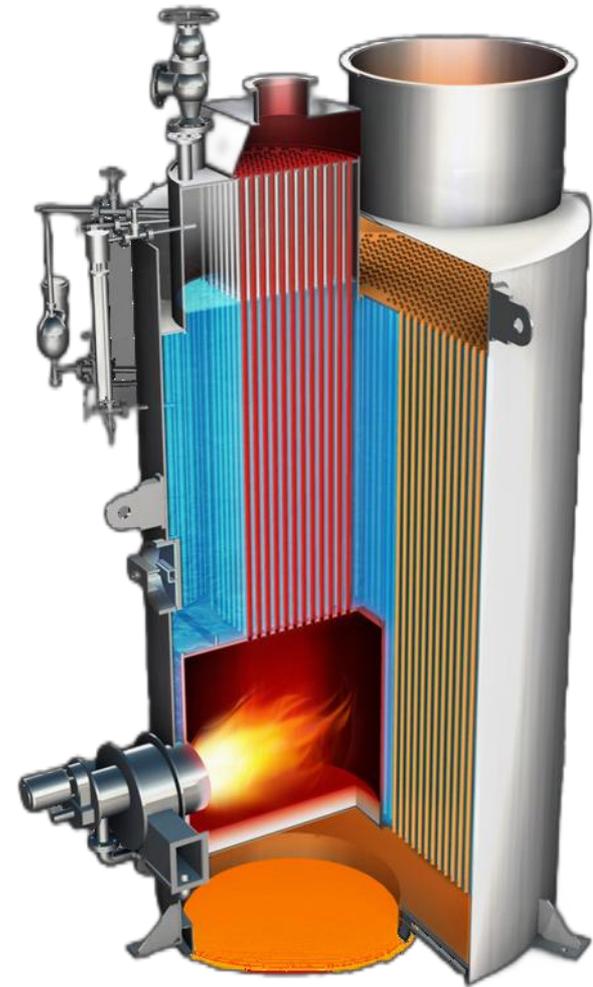
➤ Boiler Service & Annual Inspection

\*Automation Service

\*Burner & Control System Upgrading

\*Tube & Plate Renewal

\*Spare Part Supply



➤ Service items:

\*Automation Trouble Shooting

\*Burner Adjustment

\*IGG Services

\*Remote Technical Support

**Boiler Primeserv's** automation engineers are equipped with special tools and instruments ensuring accurate measuring and calibration of the equipment. Also they have range of the softwares needed to speed troubleshoot-ing and ensuring fast determination of the problems. With support of in-house Spare parts department, we can ensure fast delivery of the spare parts when needed. Also we have on stock some key equipment which has long delivery time, like far west manufactures. This ensures us that we can offer immediately components to our customers.

# Burner & Control System Upgrading

➤ Service items:

**Boiler Primeserv** offers various retrofit projects to upgrade the burners and control systems, we can prepare all the required documents for Class approval, and carry out the onboard commissioning and tests witnessed by client and class.

Retrofit of Unisab Controller.

Replacement & Upgrade of PLC controllers

Calibration, Replacement

Modification of actuators and positioners.

Installation of AC-drives.

Furnace Backpressure Monitoring system installation.

Design and Replacement of Old /defective Boiler control system.

Burner performance Improvement after Scrubber installation.

Modifications to meet Your specific needs.

# Burner & Control System Upgrading

## Burner Upgrading---M.G.O. Change Over



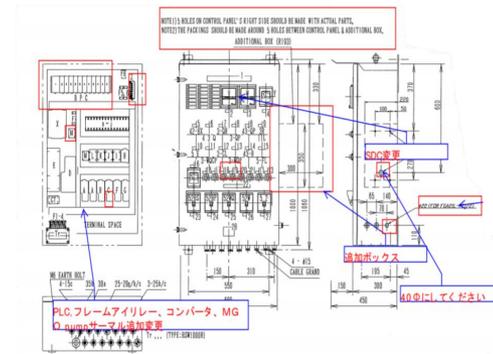
Piping Unit



Pump Station Modification



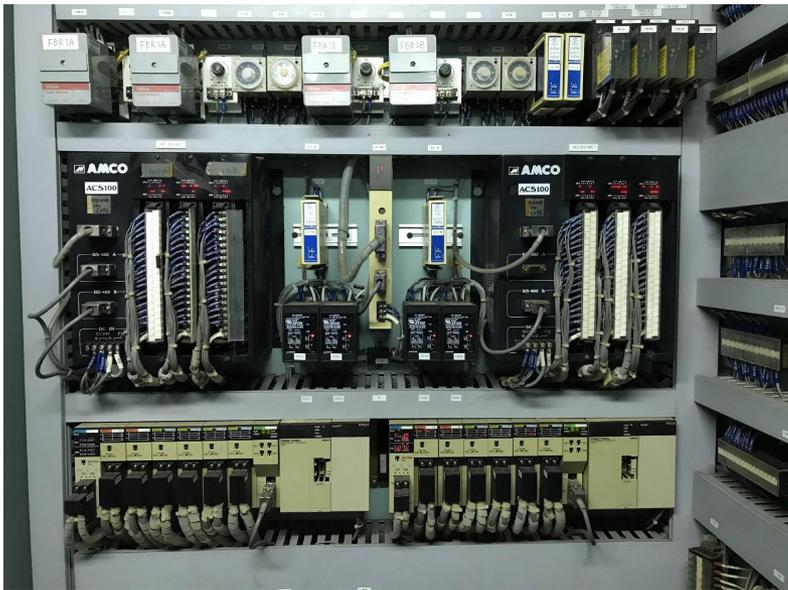
Burner Modification



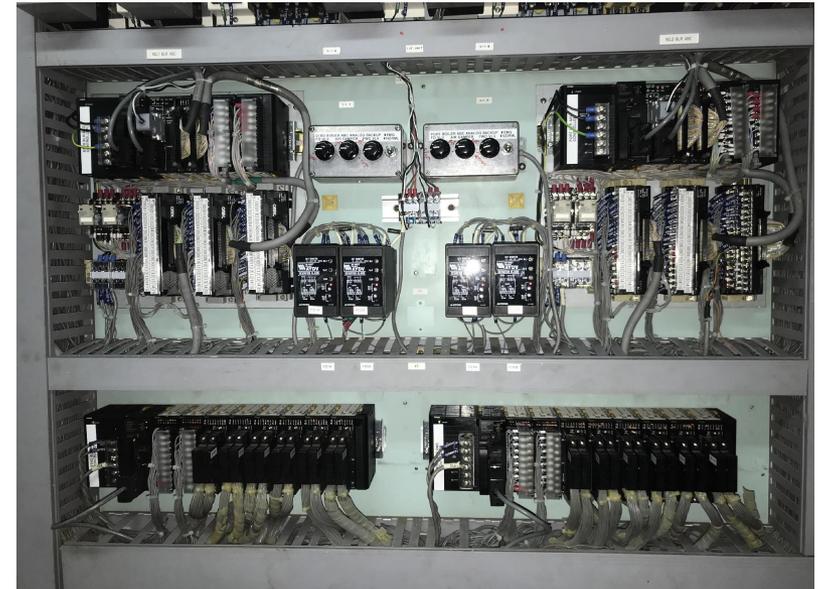
Control System Modification

# Burner & Control System Upgrading

## Control System Upgrading---Mitsubishi



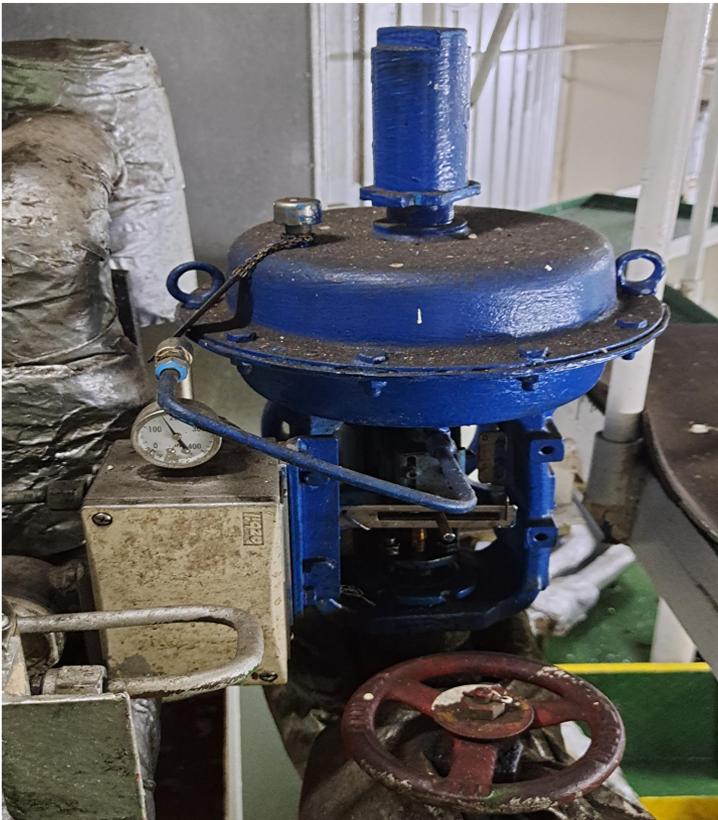
Original control system



Upgraded system

# Burner & Control System Upgrading

## Valve positioner upgrading



Original positioner

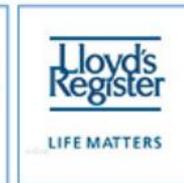


New positioner

# Tube & Plate Renewal

## Tube & Plate Renewal

- Description of Boiler
- Boiler sketch and job scope
- Procedure for replacement of tube
- Procedure for replacement of tube plate
- Hydro-static test the boiler to 1.5 times designed pressure witnessed by Class Surveyor and ship side
- Newly put refractory in furnace bottom
- Box up the boiler properly



# Spare Part Supply

## All Boilers and Burners



**Boiler Primeserv** covers all makers of marine boilers and burners including rotary cup & pressure atomizing burners. Our specialists perform inspections, troubleshooting, maintenance, service, upgrades, conversions, installations and personnel training for the marine combustion systems.

## OUR CLIENTS :



**ZODIAC MARITIME LTD. LONDON**  
**LOCAL REPRESENTATION VARNA, BULGARIA**



**Authorization Cooperation Agreement Approved by**



**Approval Certificate by DNV-GL LR BV ABS NK KR**

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