



**NJOKO**  
**SERVIS** d.o.o.

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**BOILER AUTOMATION**



**24/7 Customer Support**

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**www.njoko-servis.com**

# NJOKO-SERVIS d.o.o



Company founded in 2016,  
by service engineers with many years of field service experience.

We are specialized in engineering and field service of marine boilers (steam and TFO), burners and inert gas systems.

## What we can provide?

- Efficient and fast field service and commissioning for boilers, burners and inert gas systems of all major brands
- Complete steam plant evaluation and optimization
- Combustion adjustments and optimization
- Control system upgrades and reprogramming
- Solutions for obsolete equipment
- Solutions for frequent failing equipment
- Inspection visits
- Crew familiarization and training
- Used equipment reconditioning and calibration
- Spare parts supply
- 24/7 support

## **Our services:**

### **Field service**

- Worldwide service and commissioning. Our engineers can be on board within 24 hours to troubleshoot and perform service execution.
- Service and commissioning of boilers, burners and inert gas systems of all major brands: AALBORG, MITSUBISHI, KANGRIM, SUNFLAME, SAACKE, WEISHAUPT, VOLCANO, OILON, SES...
- Complete steam plant evaluation and optimization. Our engineers can perform a complete evaluation and optimization of steam plant to increase efficiency and reduce running costs.
- Combustion adjustments and optimization. Correct combustion adjustments will increase burner efficiency and ensure smoke free operation.
- Inspections visits which will be followed by our evaluations and recommendations.

### **Engineering**

- Control system upgrades and reprogramming: adaptation of existing outdated control systems in order to meet new requirements (MGO firing, various safety requirements).
- Solutions for control system replacement, design of tailor made control system as per customer specification.
- Reprogramming of existing control equipment (PLCs, various controllers and HMIs) in order to resolve limitations for automatic operation of control system caused by incorrect or incomplete software design (SIEMENS, SCHNEIDER, MITSUBISHI, OMRON, YAMATAKE, B&R, BEIJER...).
- Various upgrades of existing peripheral equipment in order to meet requirements for safe and reliable operation.
- Documentation update. Without correct documentation it is very hard to operate system correctly or to perform correct maintenance and troubleshooting. Documentation that we provide will be updated with all modifications performed in order to meet actual installation on board vessel.

## **Solutions for obsolete equipment**

When equipment installed on board becomes obsolete, any malfunction can cause long delays in operation as such equipment is not available on the market and simple replacement solutions are usually not available.

Nowadays some equipment becomes obsolete after just few years after installation, due to fact that Original Equipment Manufacturers (OEM) is not on the market any more or they stop to produce such an equipment. To overcome such problems, we provide correct and reliable replacement solutions for obsolete equipment:

- PLCs, HMIs, various controllers: we provide replacement with new generation from same or different maker. Programing and testing is performed by our engineers.
- Control valves, actuators, various peripheral equipment: we provide replacements or partial modifications of equipment which is no longer available on market.

## **Solutions for frequent failing equipment**

Every system has "weak point", equipment that is frequently failing. Such an equipment is causing frequent breakdowns and delays in operation. Reason for this can be various: not properly designed for the typical working environment, wrong choice of used materials, wrong sizing, etc..

Frequent repairs and overhauling of such equipment as a result have increased cost without any improvement in reliability.

During years of field service on board, we have identified such an equipment and developed replacements which are proven to be efficient and reliable.

## **Spare parts supply**

NJOKO-SERVIS d.o.o is able to supply spare parts for all major burners, boilers and inert gas systems brands.

A strong relationship with our supplier network allows us to offer our customers very competitive price levels for both Original Equipment Manufacturers (OEM) parts and replacement parts.

In case requested parts are unavailable or obsolete, we can offer tailor-made solutions designed and produced by NJOKO-SERVIS d.o.o.

Quick forwarding of spare parts which are available on our stock.

## **Used equipment reconditioning**

NJOKO-SERVIS d.o.o offers to his customers possibility for used equipment repairs, reconditioning and testing.

For repair purposes, we use OEM or replacement parts depending on availability and customer requests.

In case of obsolete equipment, we can offer tailor-made solutions designed and produced by NJOKO-SERVIS d.o.o.

In our workshop we have facilities specially design for servicing and operational testing of equipment.

By using our facilities, we are able to simulate on board condition and perform necessary tests and calibrations. In this way installation on board by the crew is simplified and possibility for mistakes caused by wrong calibration is reduced.

## **Crew training**

In order to enable the ship's crew to operate and maintain the steam plant in a correct way, an extensive practical onboard training program can be provided. From experience what we gain, our engineers can visit your vessel and together with the crew discuss regarding operation problems, troubleshooting and instruct the crew about optimal and safe operation of the steam plant.

Also, we have possibilities to provide quality training at our premises. Training can be customized according to systems installed on your vessel.