



# BOENING SHIP AUTOMATION

SOLUTIONS FOR  
TUGS AND TOWBOATS

Boening USA, Inc.  
Boca Raton – FL / [www.boening-usa.com](http://www.boening-usa.com)

# BOENING

# Customer References – Tugboats operators

Germany



Ukraine



Italy



Indonesia



Turkey



Brazil



USA



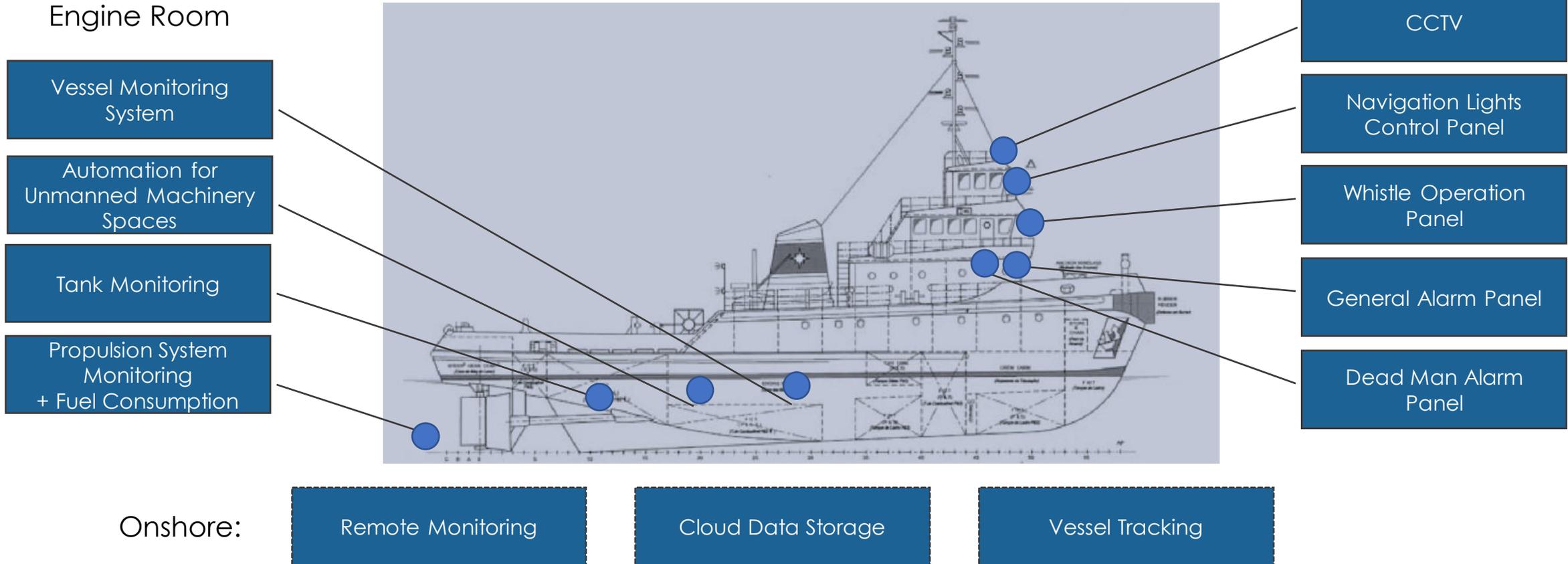
Netherlands



SOLUTIONS FOR TUGS AND TOWBOATS

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# Böning Portfolio for Tugs and Towboats



# Navigation Lights Panel

Modular Control Panel for up to 42 lights (LED or bulb) – with customizable mimic panel



The modular-designed AHD-DPS02 controls and monitors navigation and signal lights on vessels.

Features:

- Modular design (from 14 to 42 lights)
- Control panel with custom layout
- Maintenance-free: no need to replace fuses after a short circuit
- Record operating hours and the number of switching cycles
- Collective alarm and ModBus interface to integrate with third-party alarm systems
- Compatible with AC or DC lights, bulbs or LEDs.

Certificates:



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# Navigation Lights Panel

## References



# Vessel Monitoring System

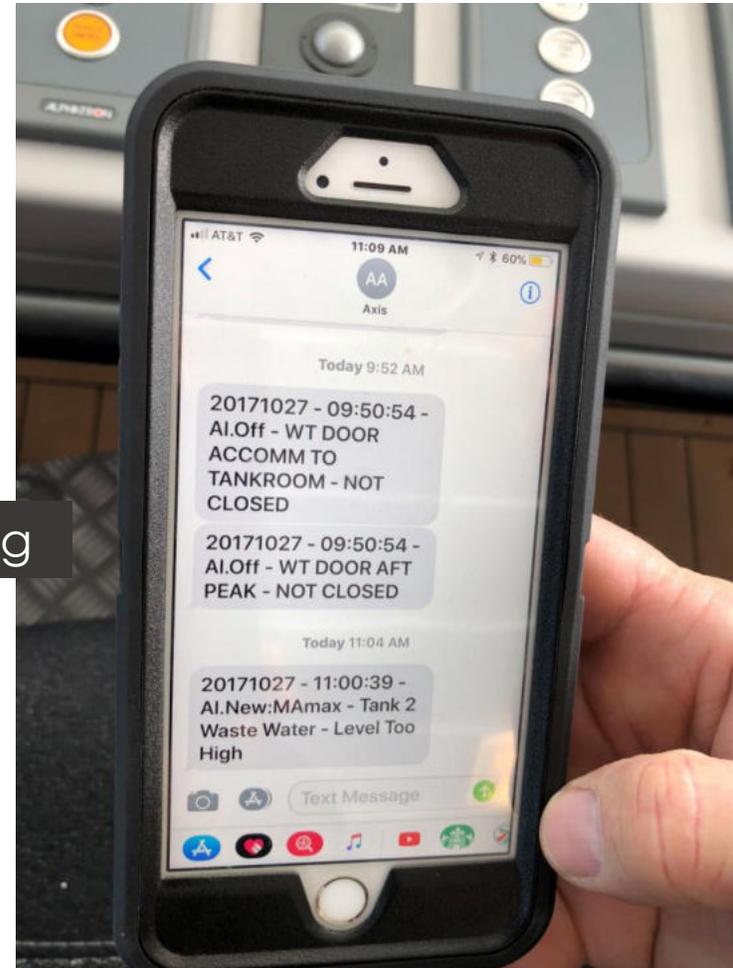
- Bilge Alarms
- Pumps
- Doors & Hatches
- Tank levels (Fuel, Water, Urea)
- Engine alarms
- Machinery alarms
- Electrical and Power Management



# Vessel Monitoring System

- Bilge Alarms
- Pumps
- Doors & Hatches
- Tank levels (Fuel, Water, Urea)
- Engine alarms
- Machinery alarms
- Electrical and Power Management

Remote Monitoring



# Alarm Panel AHD 414A

- Bilge Alarms
- Pumps
- Doors & Hatches
- Tank levels (Fuel, Water, Urea)
- Engine alarms
- Machinery alarms



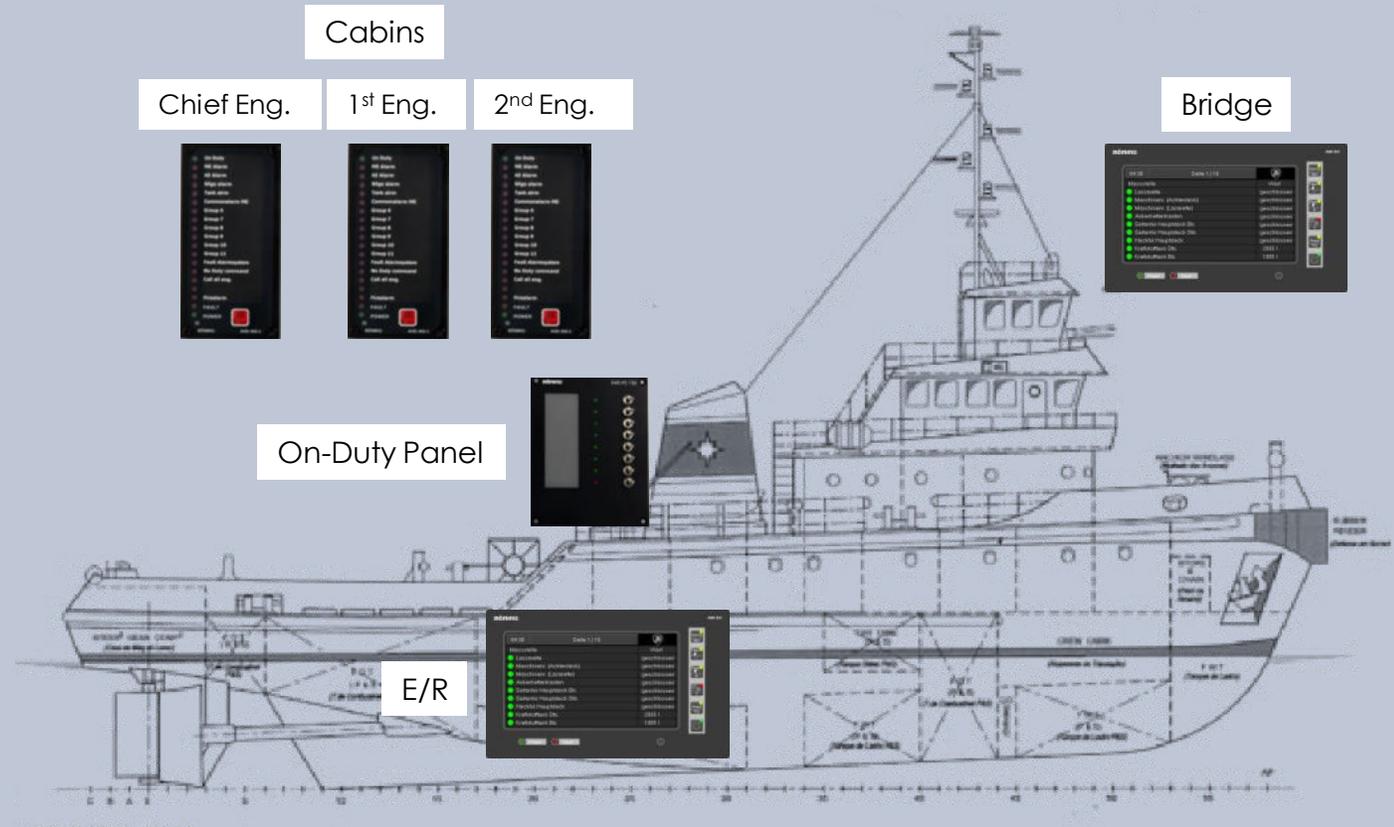
- Monitor up to 10 inputs
- Customizable labels
- NO / NC contacts
- Relay output for external horn
- Dimensions: 144x144 mm / 5.6 x 5.6 in
- Low power consumption: 0.15A
- Certificate: Bureau Veritas



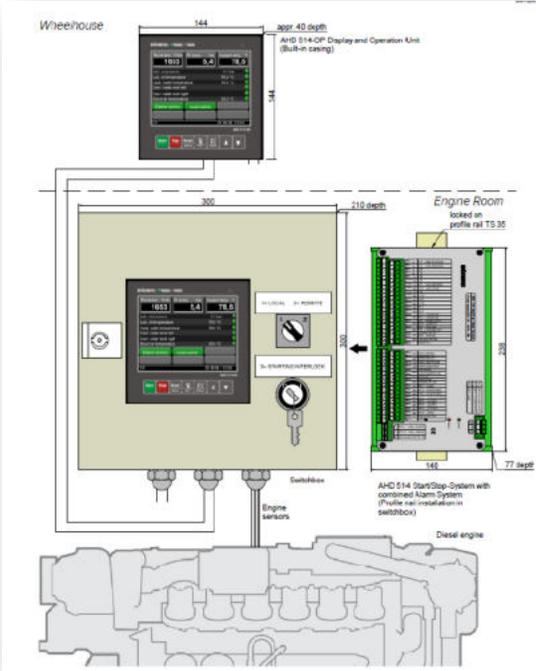
# Unmanned Machinery Spaces (UMS)

- Bridge Alarm Panel
- Engine Room Alarm Panel
- On-Duty Panel (E/R or ECR)
- Cabin Panels

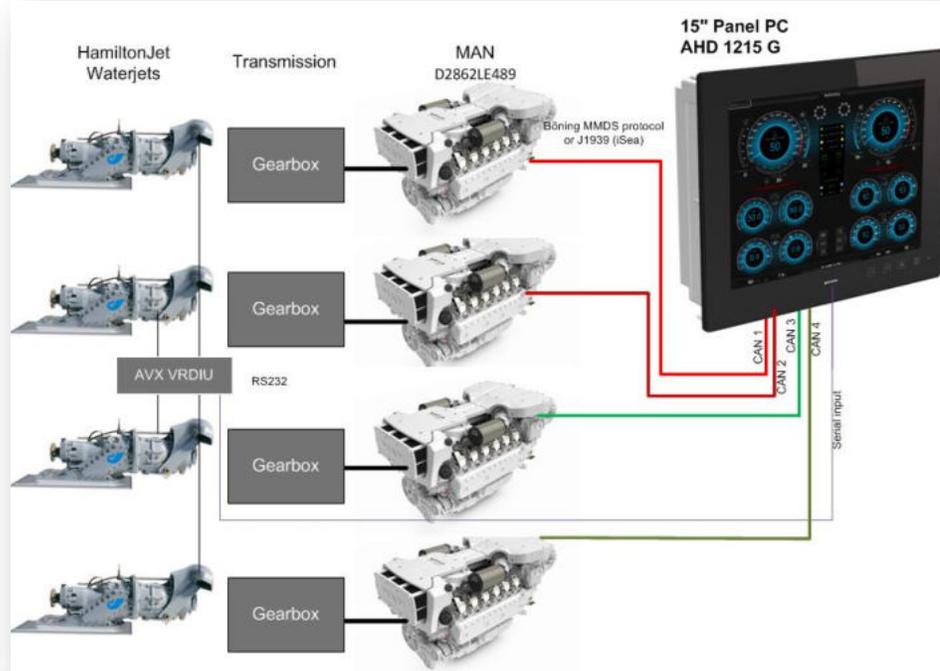
Meets UMS (Unmanned Machinery Spaces)  
Class Requirements



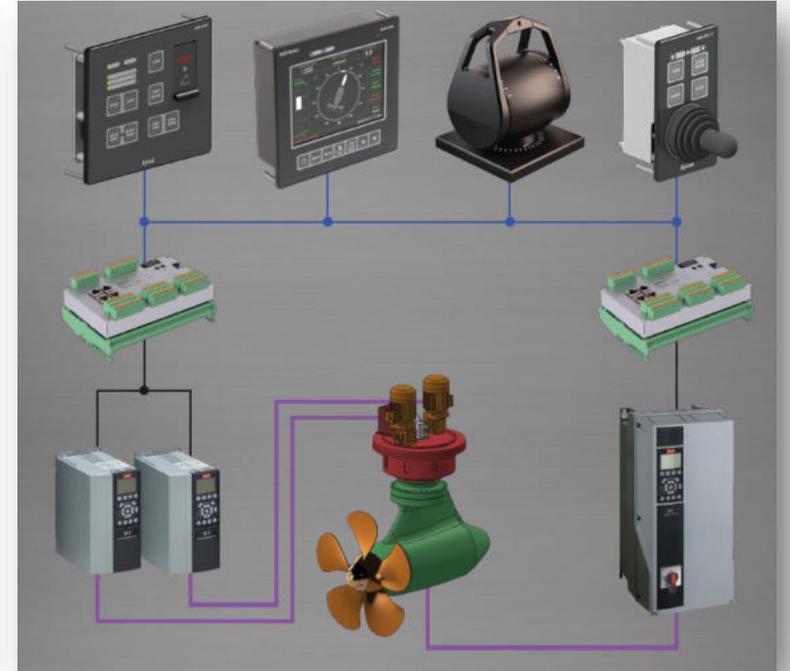
# Propulsion System Monitoring



Analog Engine Monitoring and Safety System



Integrated Propulsion Monitoring System  
(Engines, Transmission, Waterjets)

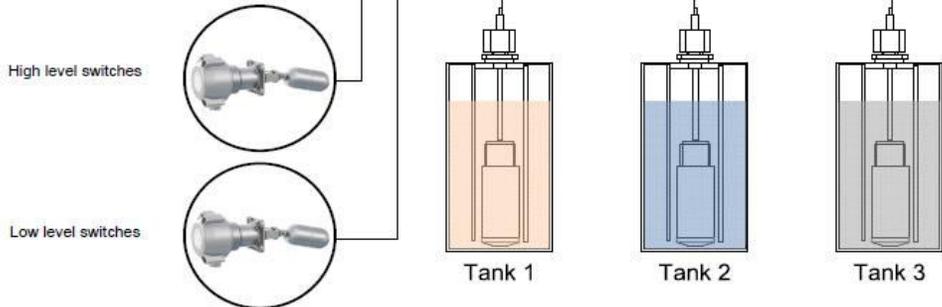
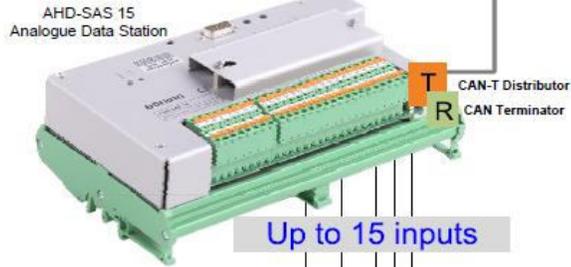
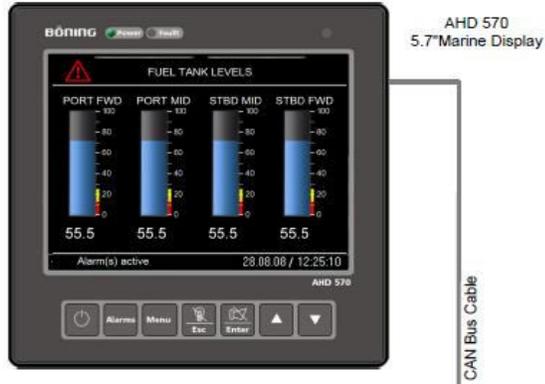


Epod Control System



# Tank Monitoring

BÖNING Tank Monitoring System for Commercial Vessels



- Bridge Alarm Panel
- Engine Room Alarm Panel
- On-Duty Panel (E/R or ECR)
- Cabin Panels



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# Tank Monitoring + Fuel Consumption



- Fuel Tanks
- Fuel Consumption
- Total Fuel Consumption
- Total Trip Consumption
- Engine RPM
- Speed Over Ground
- Trip Range
- Trip Reset
- Remote Monitoring
- Data-logging

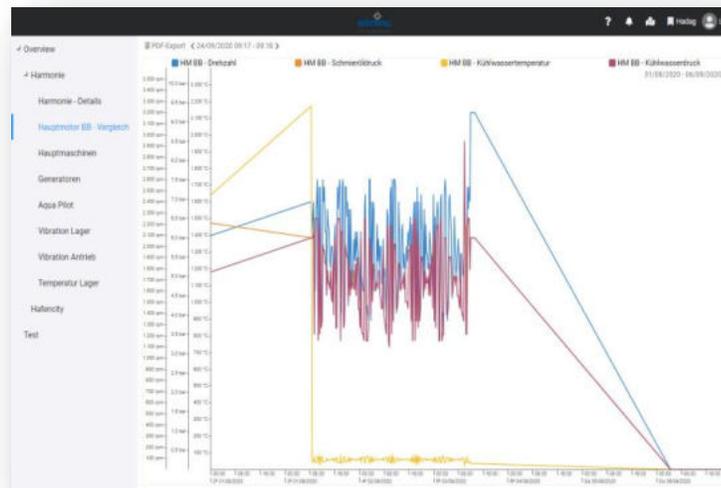


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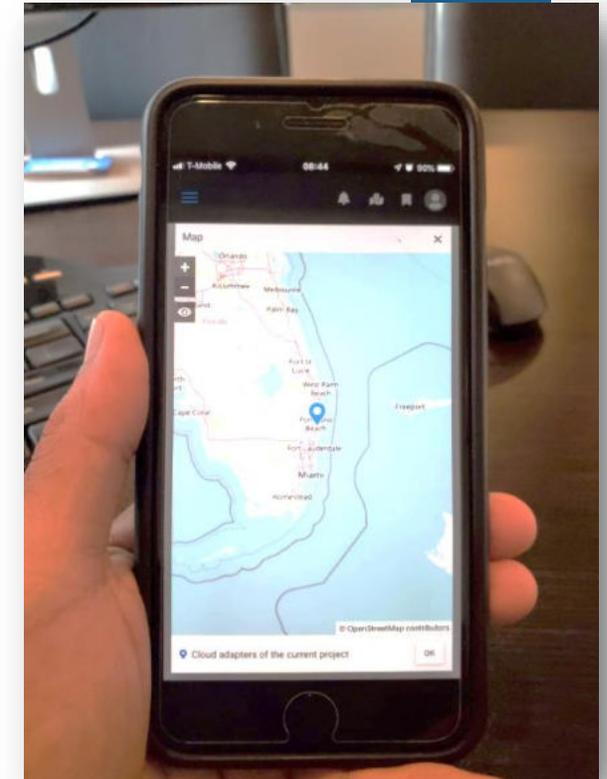
# Remote Monitoring, Storage and Tracking



Remote Monitoring



Cloud Data Logging



Vessel Tracking



# Bridge Systems – Alarm Panels



Whistle Operation Panel



General Alarm Panel



Dead Man Alarm Panel

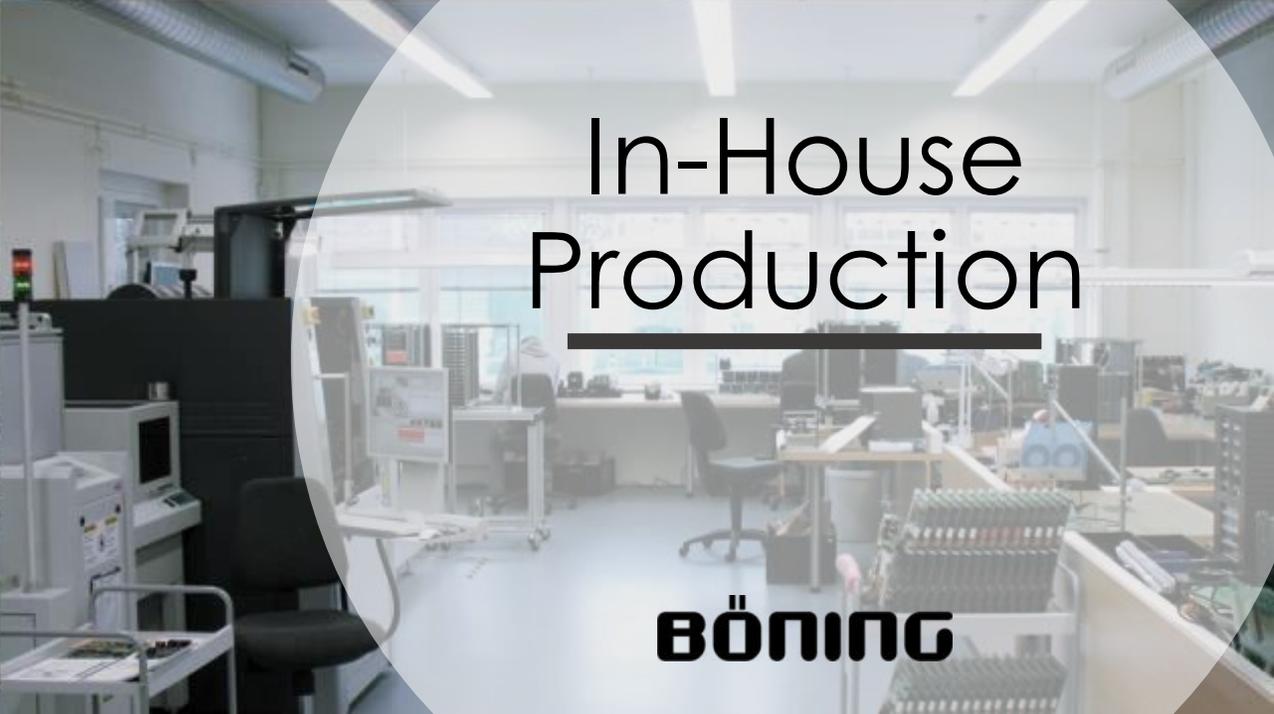


# Böning Ship Automation

Head office/  
factory  
[Germany]

- Founded in 1977
- More than 100 employees (20% developing engineers)
- More than 20 000 devices produced per year
- Approx. 700 ships with Böning technology are put in operation every year





# In-House Production

**BÖNING**

# Sales & Service Locations

Boeing USA, Inc.  
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info@boeing-usa.com





Show Room



Stock of parts

# Boca Raton-FL

Technical Support and  
Training Center for Integrators

**BÖNING**

**Thank you. Contact us for inquiries.**  
**[www.boening-usa.com](http://www.boening-usa.com)**

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