

# BÖNING SHIP AUTOMATION

BRIDGE MANAGEMENT SYSTEM

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WESTPORT 125 | 38M  
CONCEPT



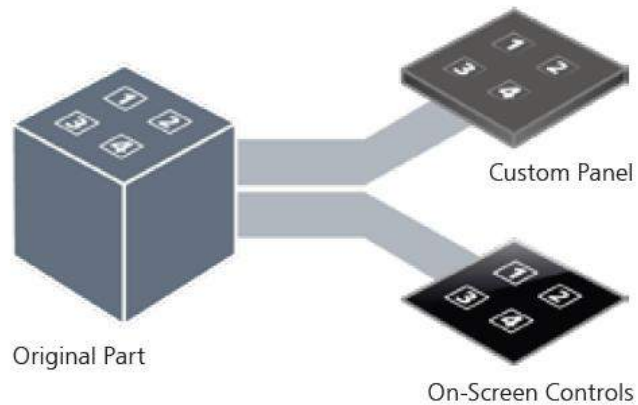
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Böning USA, Inc  
Boca Raton – FL / [www.boening-usa.com](http://www.boening-usa.com)



# Böning Bridge Management System

**Objective:** seamless and uniform interface to all dashboard equipment, providing user-friendly and efficient operation of the vessel.



Böning strives to integrate as many third-party devices as possible to cater to the customer's requirements: NavCom equipment, propulsion, and other dashboard panels.

*The physical controls can be installed nearby providing a failsafe backup to the virtual controls.*



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# Böning Bridge Management System

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BRIDGE  
MANAGEMENT

Standard Class Approved Navigation  
System

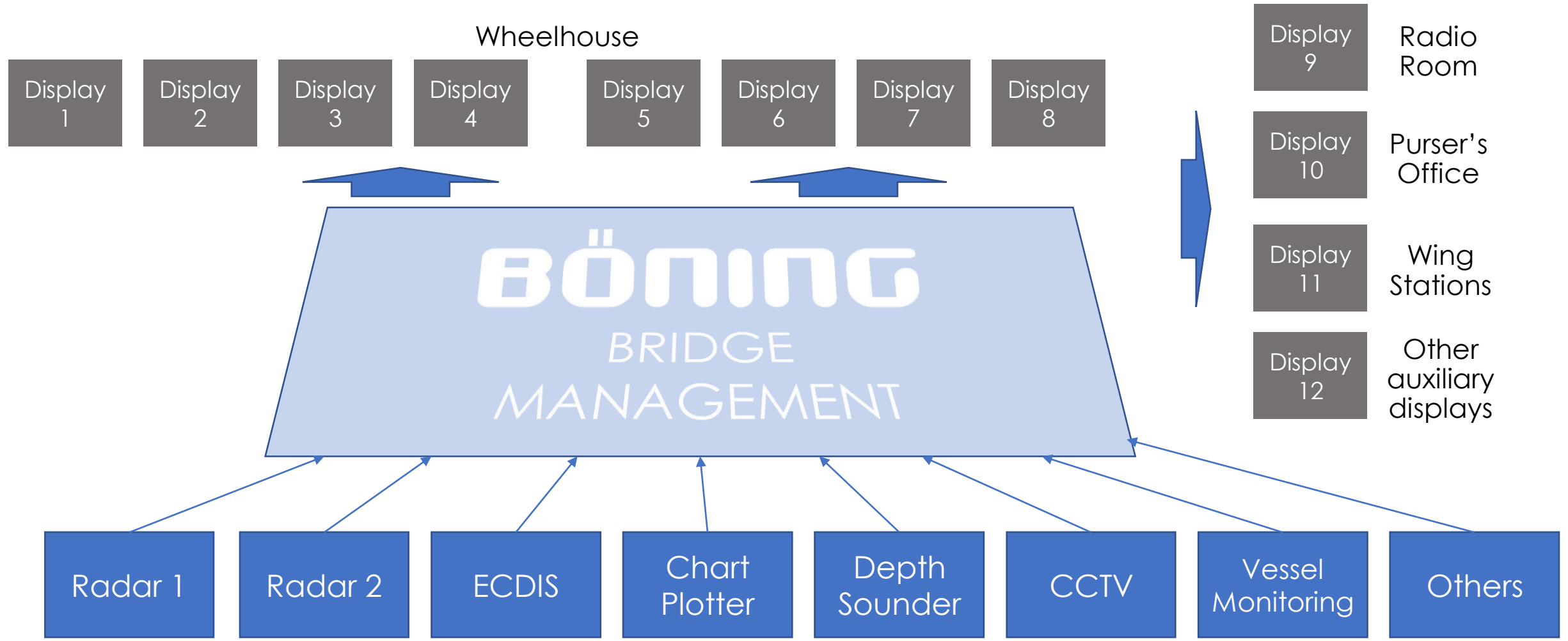


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# Böning Bridge Management System

## Outputs



Sources

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# Böning Bridge Management System



Virtual ECDIS Keyboard

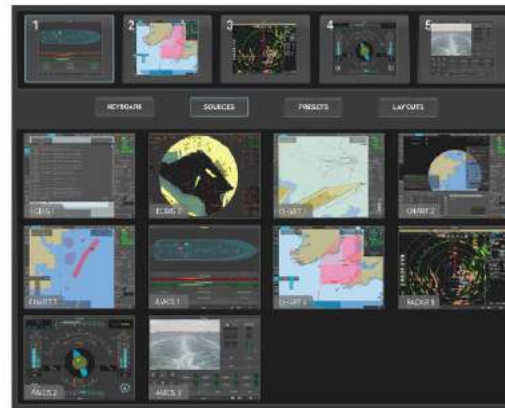


Virtual Radar Keyboard

Seamless integration  
to increase flexibility  
and usability.

Watch video:

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=GQM3OWMTSQI](https://www.youtube.com/watch?v=GQM3OWMTSQI)

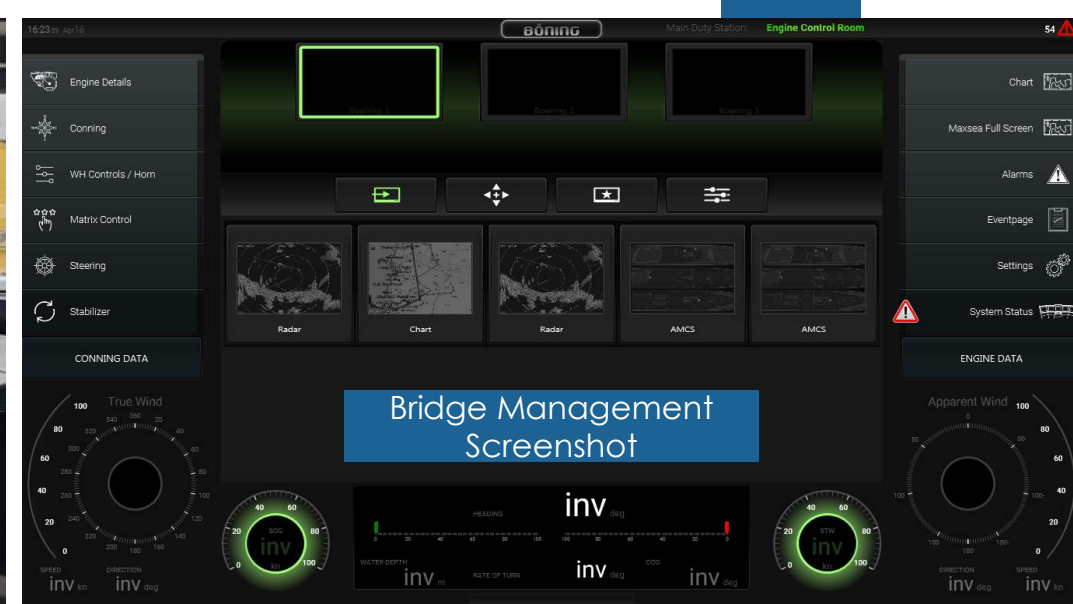
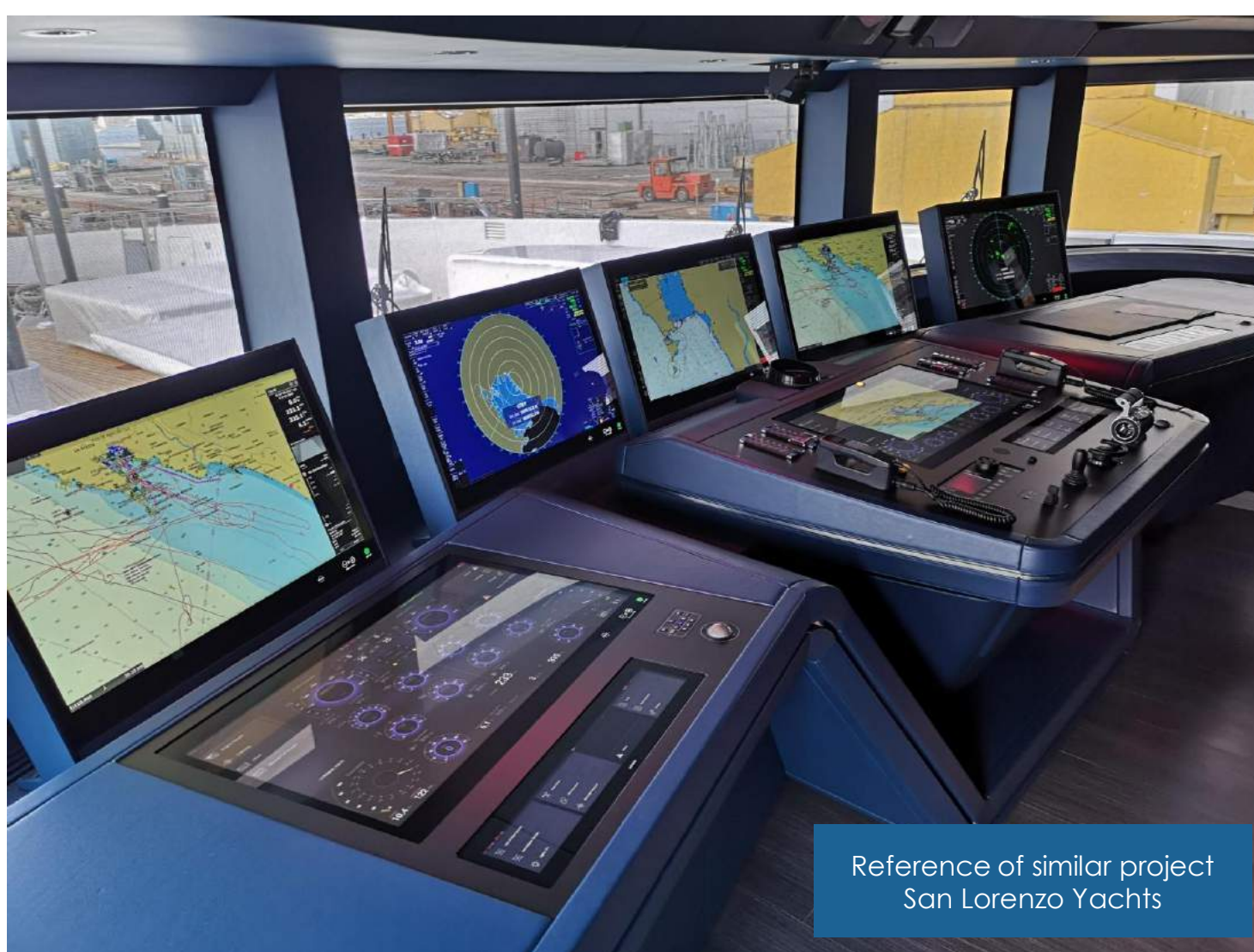


Video Switch Page

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# Böning Bridge Management System

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Reference of similar project  
San Lorenzo Yachts



# Böning Design

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# Westport 125 Concept



Picture of existing helm



Proposal with Böning



# Westport 125 Concept



Proposal with Böning



Proposal with Böning





# Westport 125 Concept

## Specification:

### Workstations:

- Pilothouse: 5x 26" (16:9)
- Chart Table: 1x 32" (16:9)
- Flybridge: 2x 15" (4:3)
- Crew Lounge: 1x 27" (16:9)

### Bridge Integration

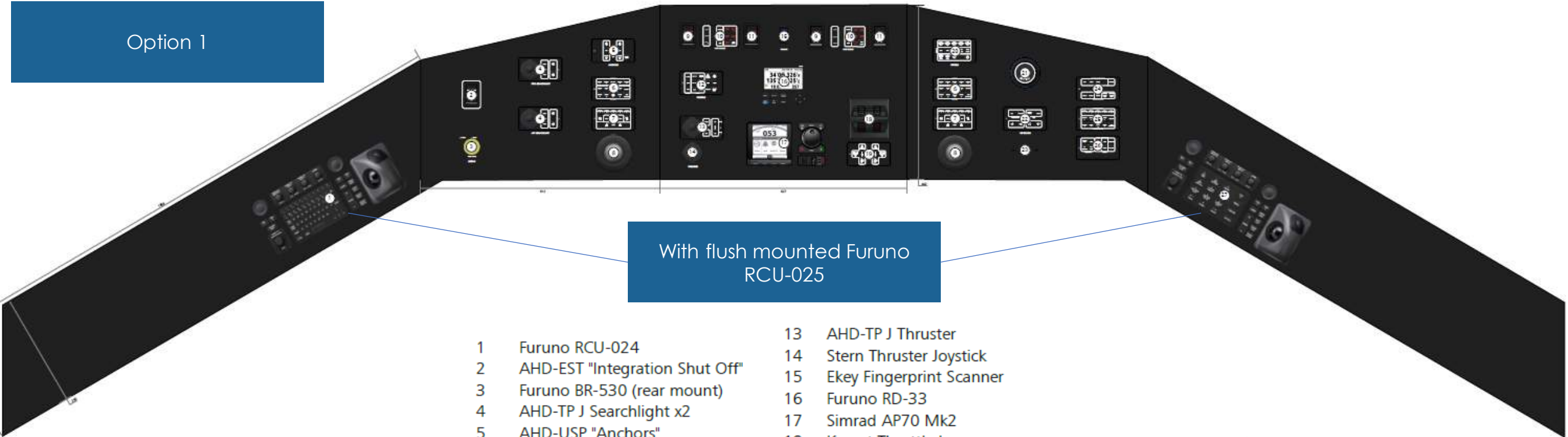
- Furuno NavCom System
- 2x RPU013/DC Radars
- FCV-1901 Depth Sounder
- TZT2BB Processors
- AIS / Weather Station / Speed Log / Sat Compass / GPS

### Interfaces:

- Westport proprietary Vessel Monitoring System
- 2x SeaKeeper Gyros
- Naiad Stabilizers
- Jastram Steering System
- Carlisle & Finch spotlight
- CCTV – tbd

# Böning Helm Panel

Option 1



With flush mounted Furuno  
RCU-025

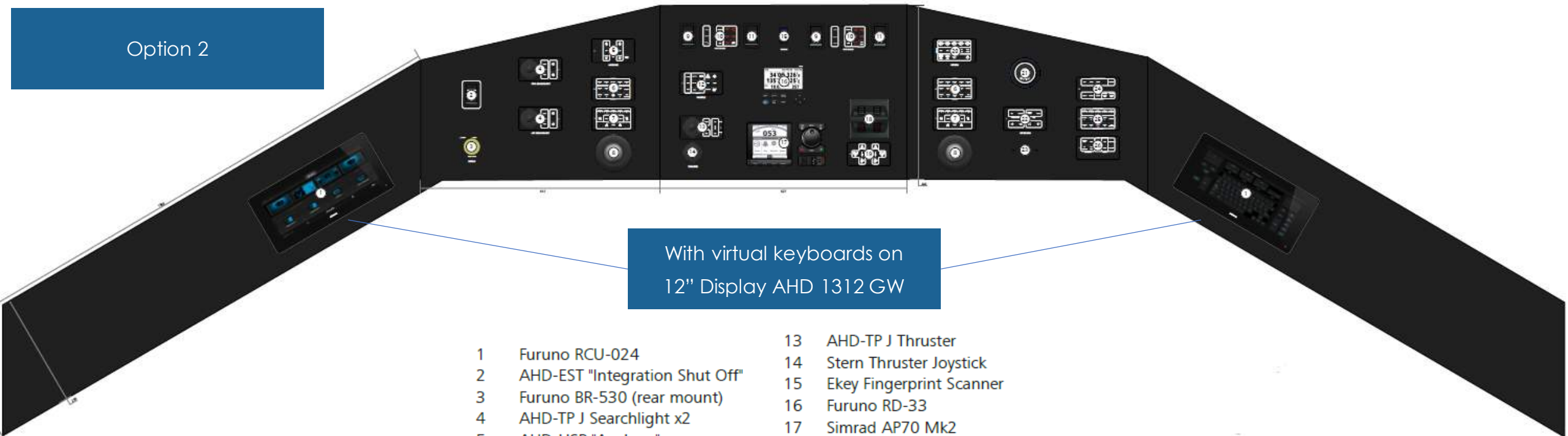
- |    |                                |    |                              |
|----|--------------------------------|----|------------------------------|
| 1  | Furuno RCU-024                 | 13 | AHD-TP J Thruster            |
| 2  | AHD-EST "Integration Shut Off" | 14 | Stern Thruster Joystick      |
| 3  | Furuno BR-530 (rear mount)     | 15 | Ekey Fingerprint Scanner     |
| 4  | AHD-TP J Searchlight x2        | 16 | Furuno RD-33                 |
| 5  | AHD-USP "Anchors"              | 17 | Simrad AP70 Mk2              |
| 6  | AHD-USP "sources/Presets" x2   | 18 | Kwant Throttle Lever         |
| 7  | AHD-USP "Trackball" x2         | 19 | AHD-USP "Gearbox"            |
| 8  | NSI Z50 Trackball x2           | 20 | AHD-USP "Wipers"             |
| 9  | AHD-EST x2                     | 21 | Ognios Speaker               |
| 10 | AHD-USP "Engines" x2           | 22 | AHD-USP "Ognios"             |
| 11 | AHD-ORP x2                     | 23 | Ognios Microphone            |
| 12 | AHD-USP "Whistle"              | 24 | AHD-USP "Display Controls"   |
| 13 | AHD-TP J Thruster              | 25 | AHD-USP "Screens/Processors" |
| 14 | Stern Thruster Joystick        | 26 | AHD-USP "Illumination"       |
|    |                                | 27 | Furuno RCU-025               |

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# Böning Helm Panel

Option 2



With virtual keyboards on  
12" Display AHD 1312 GW

- |    |                                |    |                              |
|----|--------------------------------|----|------------------------------|
| 1  | Furuno RCU-024                 | 13 | AHD-TP J Thruster            |
| 2  | AHD-EST "Integration Shut Off" | 14 | Stern Thruster Joystick      |
| 3  | Furuno BR-530 (rear mount)     | 15 | Ekey Fingerprint Scanner     |
| 4  | AHD-TP J Searchlight x2        | 16 | Furuno RD-33                 |
| 5  | AHD-USP "Anchors"              | 17 | Simrad AP70 Mk2              |
| 6  | AHD-USP "sources/Presets" x2   | 18 | Kwant Throttle Lever         |
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| 14 | Stern Thruster Joystick        | 26 | AHD-USP "Illumination"       |
|    |                                | 27 | Furuno RCU-025               |

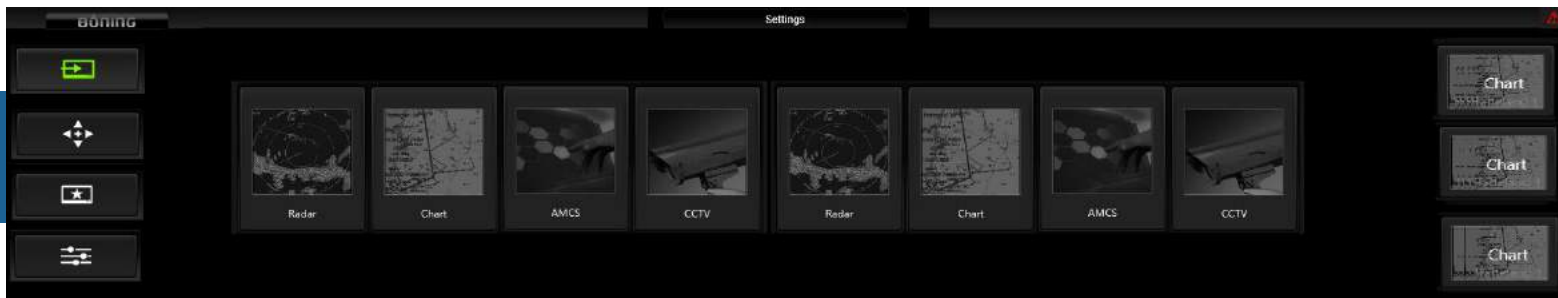
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# Böning Helm Panel

Option 2

With virtual keyboards on  
19" Display AHD 1319 GW

Example: source  
selection page



Example: virtual  
keyboard page



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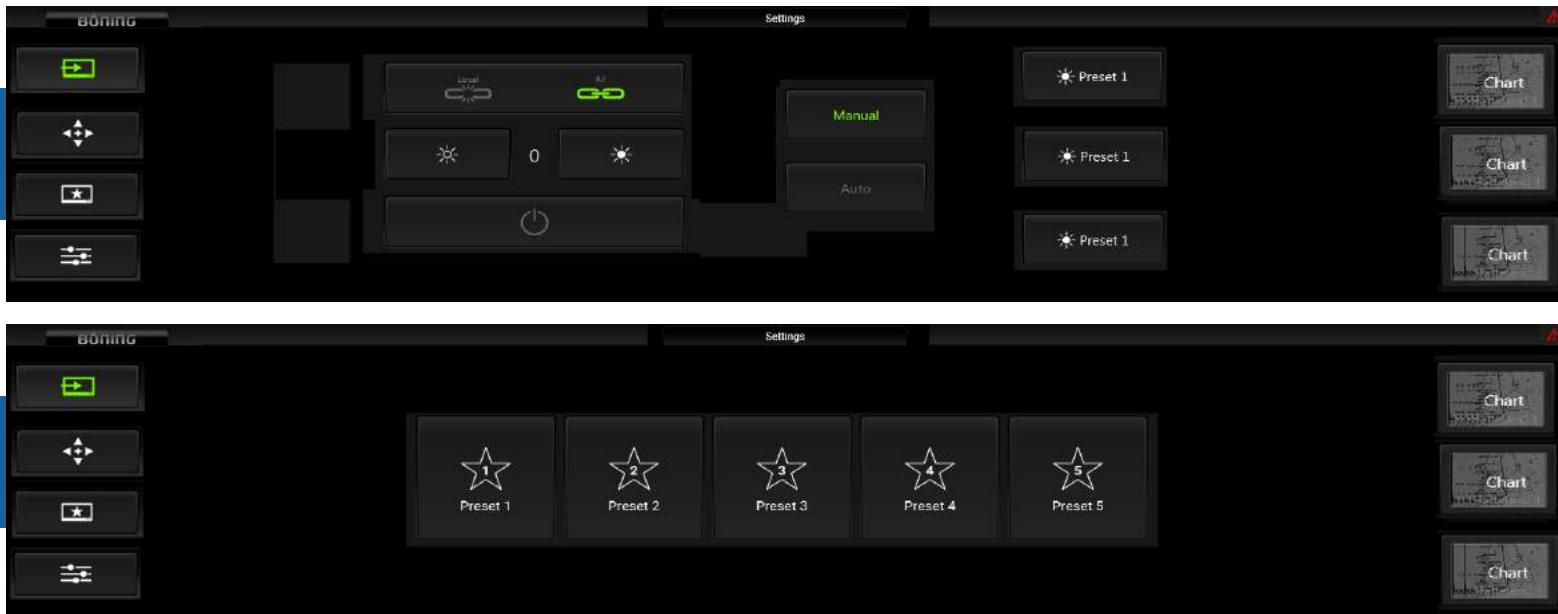
# Böning Helm Panel

Option 2

With virtual keyboards on  
19" Display AHD 1319 GW

Example:  
dimming page

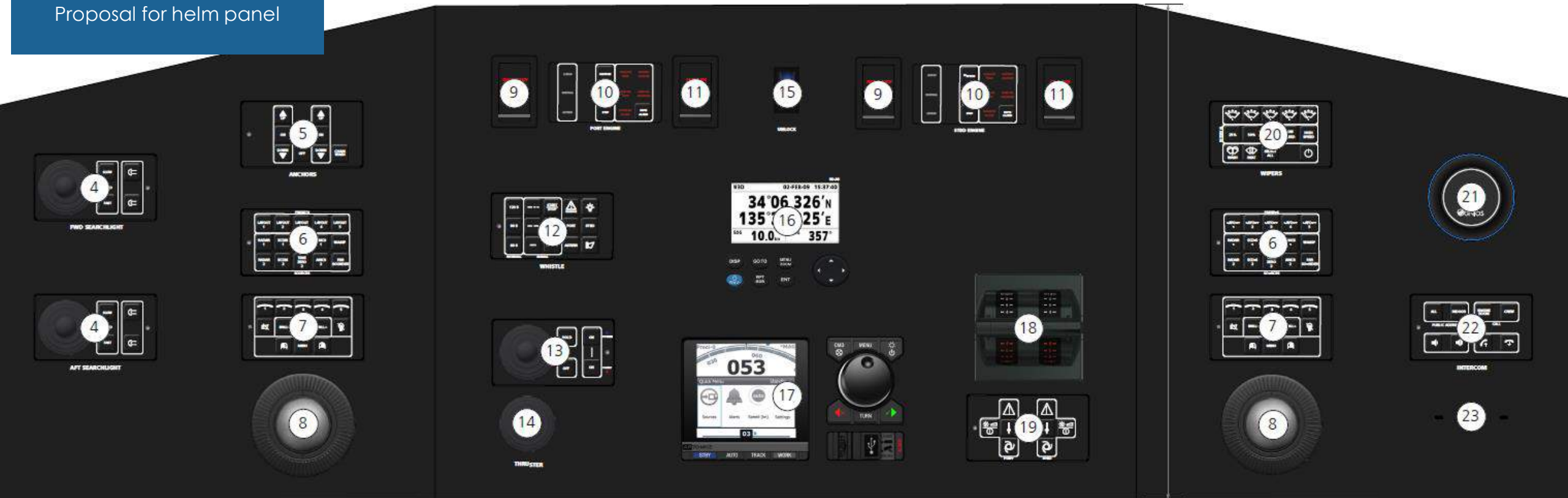
Example: preset  
page



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# Böning Helm Panel

Proposal for helm panel



Please use the vectorized drawing in PDF  
for more details

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# Böning Bridge Management System: Virtual Controls

## Screens

Control screens from any manufacturer with a central input device and distribute all video sources freely between them. Additionally, control their brightness levels globally or individually.





# Böning Bridge Management System: Virtual Controls



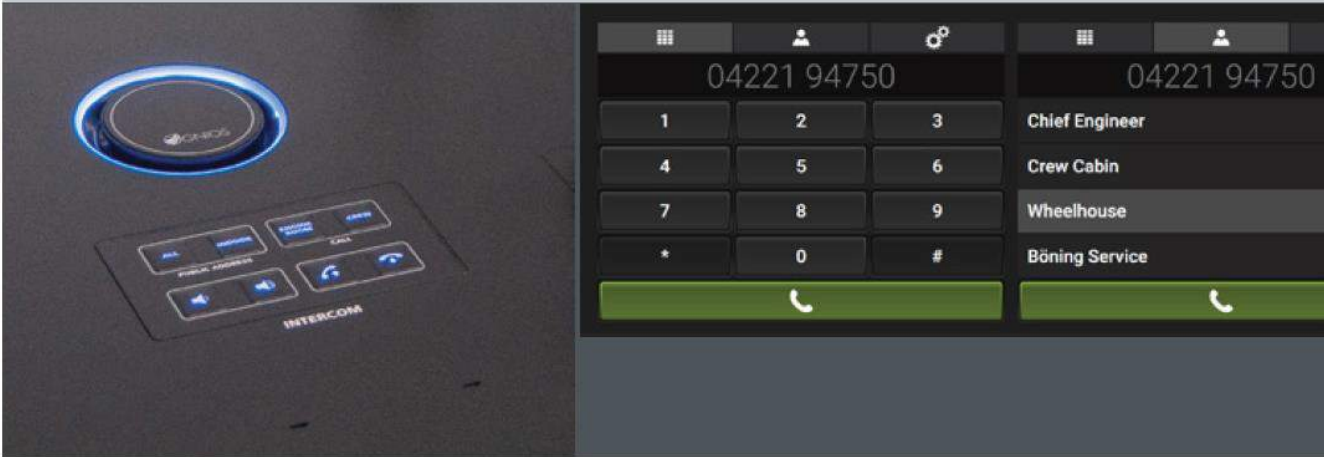
# Böning Bridge Management System: Virtual Controls



## Lights



## Intercom Systems



## ECDIS / Radar

Use a physical or virtual keyboard on any screen.



## Searchlights

Complete package supply - Searchlights, Control and Monitoring



# Böning Bridge Management System: Virtual Controls

## VHF Radio

The on-screen and panel versions both offer the full functionality of the original VHF base.



## CCTV Cameras

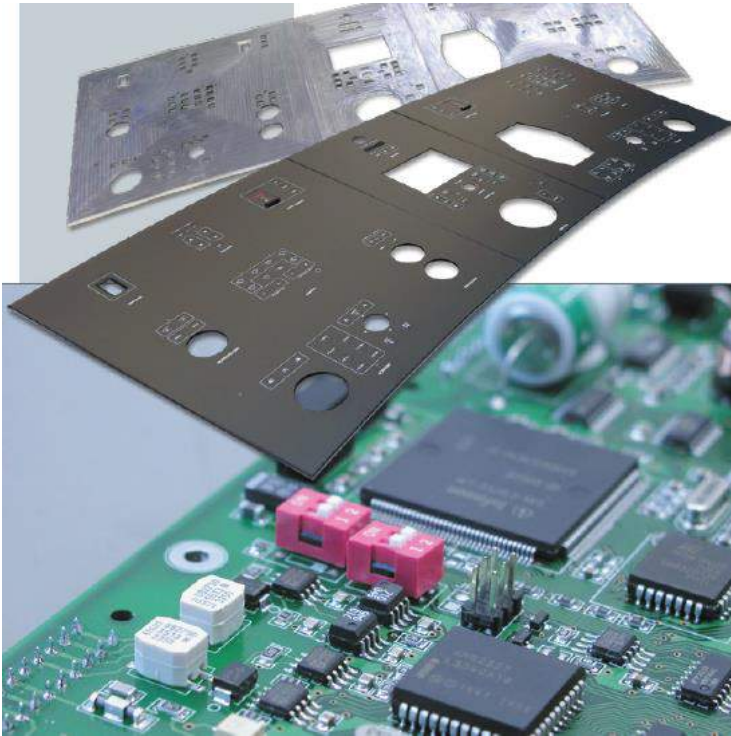
Complete package supply -  
Cameras, Control and Monitoring



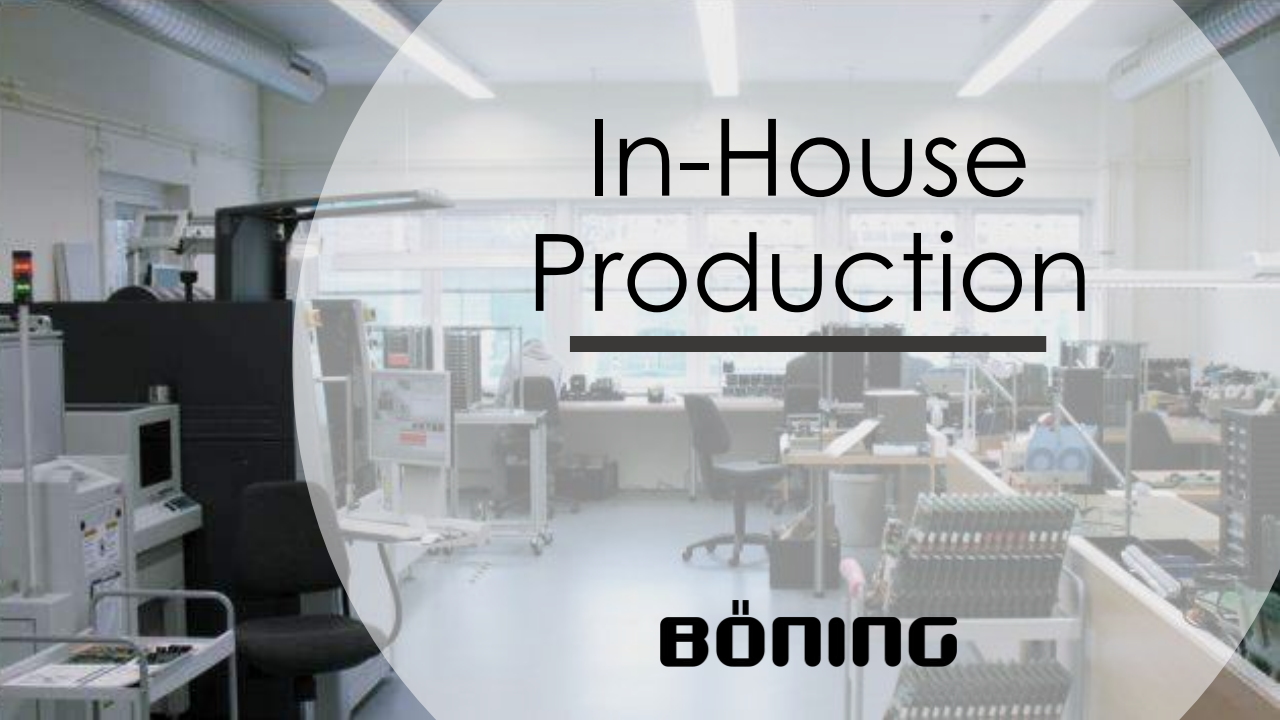


# Böning Bridge Management System

## Production steps







# In-House Production

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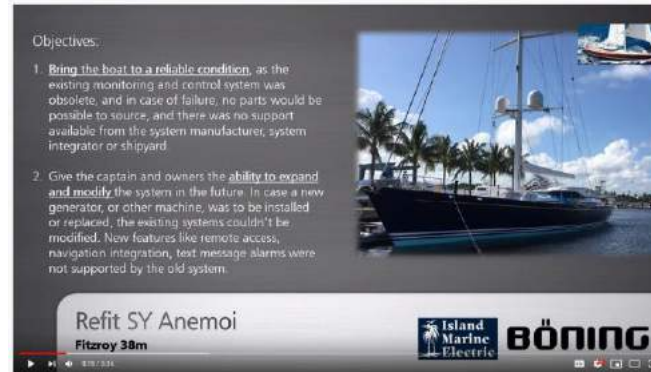
# Links

## CORPORATE VIDEO



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=QVMXZTYM81W](https://www.youtube.com/watch?v=QVMXZTYM81W)

## REFIT OF A 38M YACHTS



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=MHPFUFPEADU](https://www.youtube.com/watch?v=MHPFUFPEADU)

## DEMO CABIN CONTROL



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=TZXK2J40MIS](https://www.youtube.com/watch?v=TZXK2J40MIS)

## YACHT REFERENCES



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=FBZWYWFRMUY](https://www.youtube.com/watch?v=FBZWYWFRMUY)

## REVIEW FROM BOATTEST.COM



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=YFXH3OHMLLE](https://www.youtube.com/watch?v=YFXH3OHMLLE)

## 55" BRIDGE ON FISHING VESSEL



[HTTPS://WWW.YOUTUBE.COM/WATCH?V=GQM3OWMTSQI](https://www.youtube.com/watch?v=GQM3OWMTSQI)

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Thank you.  
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