INTEGRATED BRIDGE

EFFICIENT AND SAFE NAVIGATION
INTEGRATED BRIDGE SOLUTIONS

RH Marine delivers systems that help to optimise bridge operations and navigate safe and efficient. The Rhodium Bridge portfolio consists of all required applications like radar, ECDIS, conning and autopilot, as well as more specific applications like Dynamic Positioning and tracking and rudder roll stabilisation.

Flexibility

RH Marine delivers the custom-made bridge the modern bridge officer wants, adapted to his requirements. With RH Marine’s flexible approach and extensive range of building blocks, the bridge can be tailored to your specific needs. Whether it is about the available space or a certain feature you need, we make your bridge work safely and in compliance with the applicable rules and regulations.

*We accommodate customer preferences in all stages up to delivery, and beyond.*

By bringing information together and harmonising controls, the Rhodium Bridge system helps the operator to focus on what really matters. The Rhodium applications work seamlessly together, only showing what is needed, guiding the operator. In the background we take care of the continuity of the system.

Building a bridge is a complex process; many systems come together in the wheelhouse. RH Marine helps you to compose the best solution, suited for your specific situation. We also assist you through the building process by proactively making sure that all systems work together in the most efficient way.
**Integration**

With the Rhodium Bridge applications we ensure safe navigation with minimal distraction, providing clear feedback on the ship’s status and consequences for your operation. Our bridge enables the operator to seamlessly switch tasks, while keeping the same control position with optimised information overview in a uniform look and feel.

RH Marine fulfils the integrator role and makes sure the various systems that come together on the bridge work and fit well together, whether it’s the propulsion control system or the various miscellaneous bridge systems.

For example the integration comes to its strength in the way you can control your ship’s motion. Have the ship automatically sail your planned route, clearly monitored by all systems, only bothering you when it matters. When approaching your destiny the ship continues keeping track on low speed, or holds position with the push of a button. All from one neat control position.

The multi-function workstation concept allows all applications to be available on all workstations. Data is shared throughout the applications, ensuring unambiguous information.

**HIGHLIGHTS**

**Autopilot**
- Certified heading and track control
- Speed pilot
- Slow speed pilot; accurate tracking at (very) low speed
- Unique performance on challenging thruster configurations

**Conning**
- Central navigation information
- Navigation sensor management

**ECDIS**
- Available on every workstation
- Autopilot and Dynamic Positioning control integration

**WECDIS**
- Sophisticated military add-ons for ECDIS

**RADAR**
- Multiple screen size and scanner options
- Radar fusion
- Target fusion

**Joystick Control**
- Use all selected thrusters to move the vessel with one joystick
- Combine manual joystick with automatic control

**Bridge Operator panels**
- Industrial, foil or glass panels
- Clean and consistent look and feel

**Navigation and Communication Equipment**
- Customized packages
- Renowned component brands

**Dynamic Positioning and Tracking**
- Automatically hold position or move slow and accurate
- Scalable from functional add-on up to DP class 2
- Can be fully integrated with the navigation bridge
- Standalone certified DP2

**Rudder Roll Stabilisation**
- Using rudders for roll stabilisation
- Efficient alternative to stabilizers
- Less noise, less space
Rhodium product family

The Integrated Bridge is part of the Rhodium product family. This family consists of four product lines, each playing to its own strengths and bringing huge advantages to your ship and its operations. Combine them and your vessel will run at peak efficiency.

- Integrated Bridge
  Efficient and safe navigation
- Hybrid Energy
  Optimising your power supply
- Ship Automation
  Securing safe ship operation
- Electrical Power
  Powering your process