

**Giovanniello, Integrator**  
**Marine & Industrial Systems**  
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Giovanniello  
Integrator

*Fast, reliable service; quality products;  
sound designs.*

## SHIP STABILIZER UPGRADE **RETROFIT KIT**

**SEABRACE UPGRADE** is a retrofit for Wilcox SeaBrace Ship stabilizers that allows vessel owners the opportunity to extend the life of their stabilizer fin systems.

### PRODUCT **DESCRIPTION**

**SEABRACE UPGRADE** provides a full electronics package to replace outdated controls and sensors while utilizing existing mechanical components of the Seabrace bilge fin stabilizer system.

**SEABREEZE Software** is the heart of the **SEABRACE UPGRADE** package.

Specifically developed to provide functional enhancements, **SEABREEZE Software** improves stabilizer control program integrity, includes new operator displays, improved screen navigation, and adds Captain's features.

The **Programmable Controller** is an Allen Bradley Micrologix® PLC coupled to a PanelView® waterproof keypad / touch screen display . These modules have stood the test of time in literally hundreds of thousands of industrial and military applications.

**Gyro** options include a Solid State Roll Sensing Gyro with no moving parts, or an economical Brushless Mechanical Gyro.

**Fin Position Sensors** are mounted to existing brackets mounted over the top of the fin shafts, or on a control arm attached to the fin shaft. Various modifications are available depending on internal hull configuration and actuator type/mounting.

Robust **DC/DC Power Supplies** and noise filters compliment the installation. The Micrologix 1000, PanelView operator terminal and Networking components require an isolated 24 Volt DC source. We specify and use Newmar® power supplies.

With your **SEABRACE UPGRADE** comes over thirty five years hands-on marine electronic systems experience headed by Captain Mark Giovanniello with an extensive portfolio serving commercial, military and recreational vessel owners.

SEE PRICING ON REVERSE PAGE

Visit our website for more information

[WWW.GIOVANNIELLO.COM](http://WWW.GIOVANNIELLO.COM)

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## SHIP STABILIZER UPGRADE **RETROFIT KIT COMPONENTS**

Customize your **SEABRACE UPGRADE** by choosing from the following component options. Don't hesitate to call Captain Mark for a detailed analysis and to discuss your vessels requirements.

### PRODUCT **PRICING**

**Single Station Electronic Control System Package:** \$ 5,500.

- Allen Bradley Micrologix 1000 PLC with non-volatile memory
- 6 ft. Data cable
- PanelView 300 NEMA 4X monochrome operator screen keypad (color / touch add \$450)
- System pre-loaded with SEABREEZE software
- NEMA 4X fiberglass enclosure
- power supply (specify ship's mains voltage)
- 2 year warranty.

**Second Control Station, Networked:** \$ 2,300.

**Feedback Sensor Kit:** \$ 550.

Please provide shaft length from face of old potentiometer.  
Note: port and starboard sensors are rotation sensitive and NOT Interchangeable.

**SEABREEZE Software** (loaded onto Seabrace systems with existing Allen Bradley Micrologix 1000 and PanelView 300 controller) \$ 1,995.

**Solid state GYRO:** \$ 4,300.

**Brushless Mechanical GYRO:** \$ 1,600.

Systems Installation, Tuning, and Sea-Trial services;  
Hydraulic and mechanical component upgrade / refurbishment: CALL

Visit our website for more information

[WWW.GIOVANNIELLO.COM](http://WWW.GIOVANNIELLO.COM)