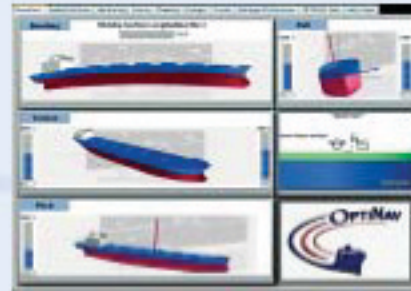# GLAFCOS MARINE introduces the OPTImal NAVigation support system:
OptiNav Suite

OptiNav combines hardware and software elements in order to:
- Monitor, analyze and record the actual hull responses in real time.
- Provide information for the ship responses in future loads and environmental conditions useful for route planning.
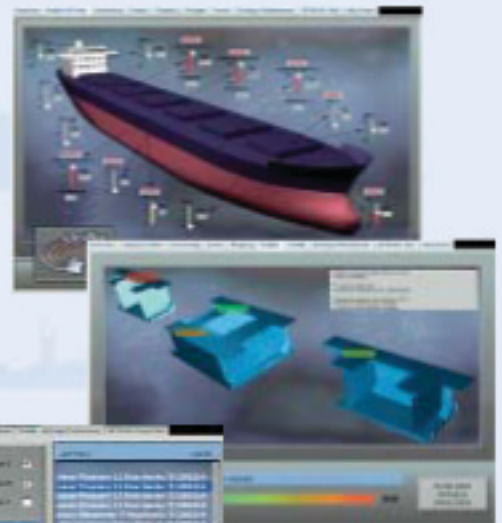- Provide information for the maintenance schedule based on the actual ship experience that has been recorded.

- Integrate weather forecasting, sea state and ship routing in order to predict ship's responses and assess fatigue level.
- Provide alert output, both in a separate, sound and visual indicator and records the alert in a database.

- This state of the art tool anticipate oncoming difficult navigational situations either jointly or separately, for hull structure, ship's equipment/performance, passengers and cargo, based upon continuously monitored data.
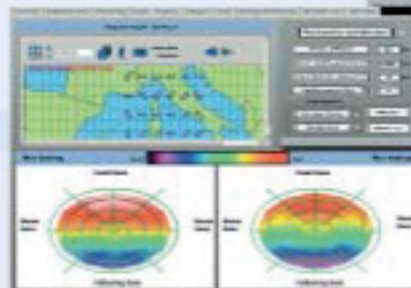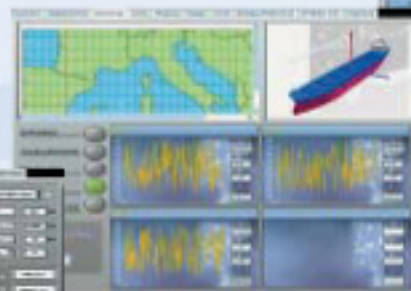- Has provided a reliable method of automatic monitoring, prediction and shore-based expert guidance.
- Utilizes the recorded data to minimise costs by anticipating major defects and provides a uniform level of reliability throughout a ship's life.

- Provides a means of continuous review of ship's fatigue life, which can be used to priorities maintenance requirements.

- Provides the ability to document that the ship has been operated within the statutory rules.

- A complete Online Help, Guidance and Context relevant help and messages are provided which enable the user to use the software straight away, without much of external guidance and help.

- Provides the ability to document that the cargo has been properly handled in the case of insurance claims.

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