

**OPTONAVAL
UNL
SYSTEM**

**UNIVERSAL
NAVIGATION
LIGHTS**

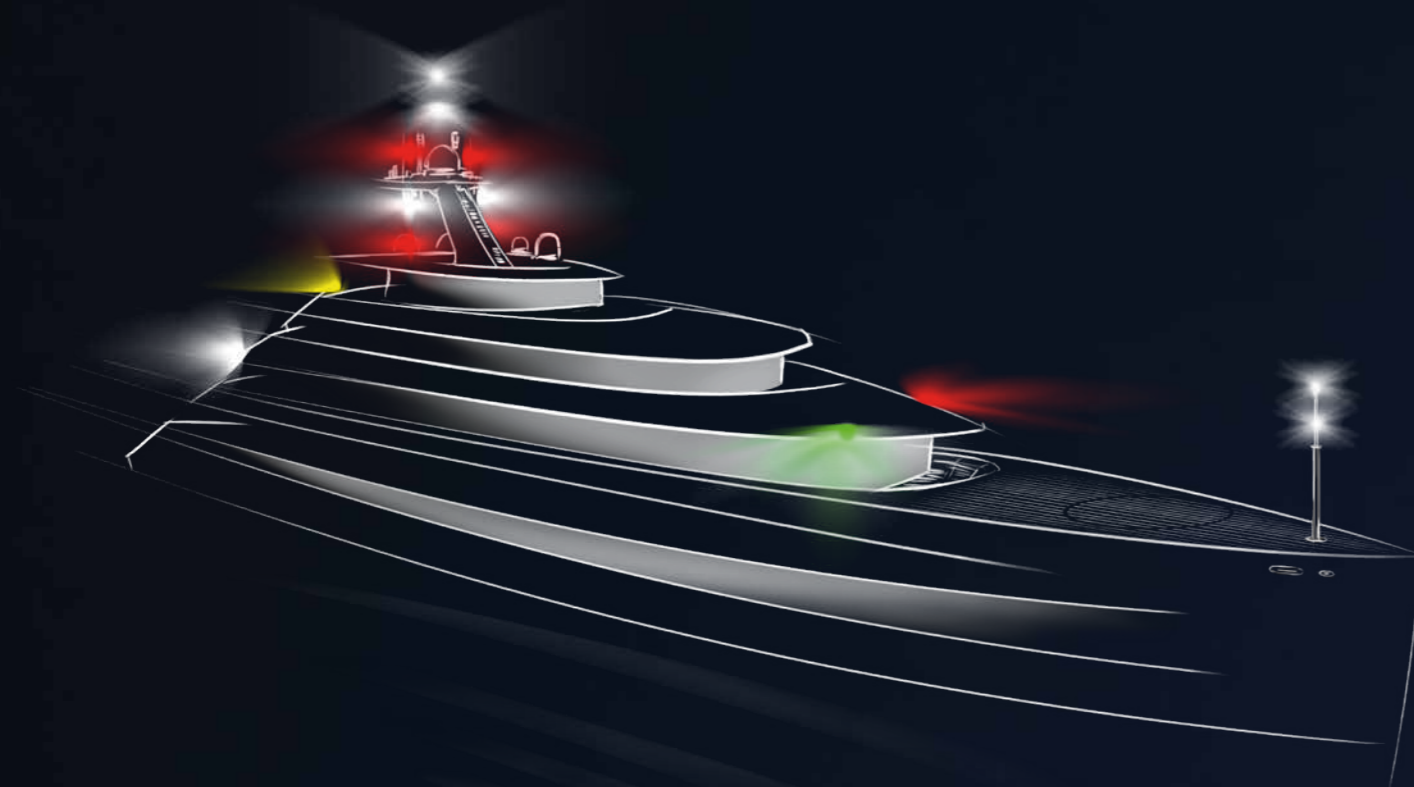
NAVIGATION LIGHTS

HIGH TECH PACKED IN PERFECT DESIGN





THE NEED TO HAVE BECOMES A PLEASURE TO OWN



A CONCEPT RETHOUGHT FROM SCRATCH

- Family of navigation lights
- Common parts, different functions
- High performance LEDs
- Built-in redundancy, automatic switch over
- Elegant and robust design
- Easy onboard maintenance
- Customized colour coating options
- Touch Panel controls and/or integration in bridge management systems
- Serviceable by trained crew
- Wheel mark certification by DNV GL

PRODUCT RANGE

TOP LIGHT

SIDE LIGHT

ANCHOR LIGHT

STERN LIGHT

NUC

RAM / CBD

TOW LIGHT

SUEZ LIGHT

PANAMA LIGHT

ANY SPECIAL LIGHT

CONTROL AND MONITORING



IT WORKS –
AND IT WARNS YOU BEFORE A
PROBLEM ARISES



CONDITION MONITORING

Fully monitored by multiple electronic sensors,
measuring internal humidity, pressure, temperature,
brightness and electric flow

Ensuring highest reliability and sound warnings,
long before the light may fail

Active time counters

REDUNDANCY

Automatic/controlled switch over
in case one light source fails

Built-in test when switching on

SAFETY

Fulfilling all applicable standards

Light intensity always as required

Round shape – best tightness

Massive aluminium body for
maximum heat dissipation

WORKS LIKE IT LOOKS –
JUST PERFECT



PERFECT MARRIAGE OF DESIGN AND TECHNOLOGY

Taylor-made project solutions

Low life cycle cost

Meeting highest requirements in quality and functionality

Focus on low maintenance

Built for rough marine environment

MATCHING DESIGNER'S DEMANDS

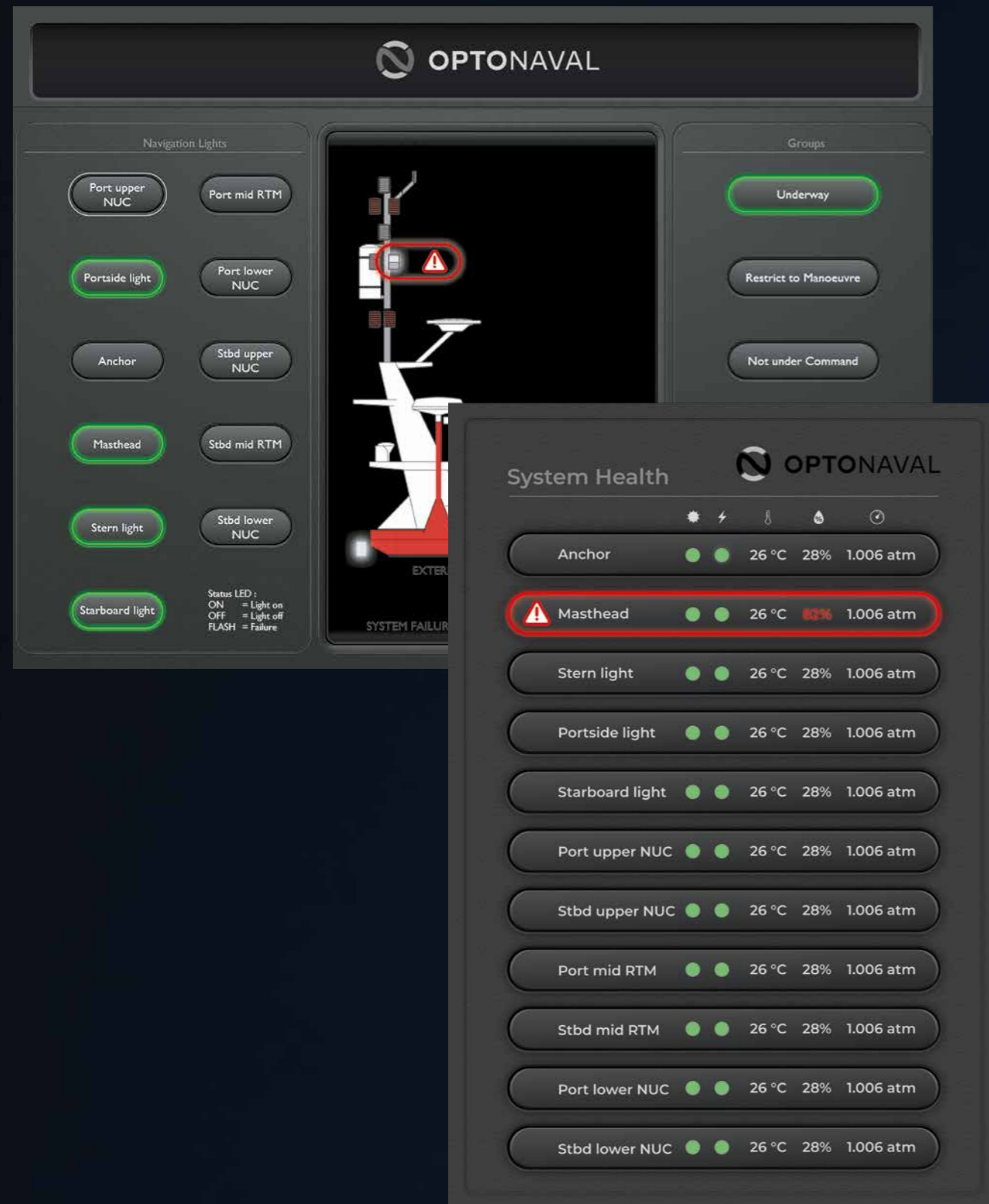
Customizable coating/colour

Side light integrated in superstructure, mast etc.

Modern shape underlines state-of-the-art technology



CONTROLS AS YOU LIKE IT



CONTROL AND MONITORING

- Multiple options for control panel
- Intuitive graphical user interface
- Option to integrate in existing bridge system
- Hardwired buttons as per regulatory requirements
- Assisting in identification of malfunctions
- Tracking of maintenance history

MODULAR CONSTRUCTION ACCESSIBLE FOR MAINTENANCE – JUST REPAIR IT WHEN NEEDED



MODULARITY

- Maximum of common parts
- Stacks with different light colours
- Shaders for different functions

INSTALLATION

- Common base plate
- No special tools required for installation
- Sensitive parts mounted just when needed
- Single cable connection
- Cable outlet side or bottom
- Bayonet catch for easy mounting and removal
- Customized solutions for refits

MAINTENANCE

- Common spare parts minimize stock demand
- Light elements are simply stacked – no soldering
- Interchangeable parts



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ON UNL Brochure 11/2020



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