

PROTECTING MISSION-CRITICAL NAVAL ASSETS



LIGHT STRUCTURES
Passion for Monitoring

**Structural
stress and
fatigue
data**

Acquire
Analyse
and Act



STRUCTURAL HEALTH MONITORING

According to 'Structural Health Management in the NAVY'*, Navy systems are designed such that their structures if properly maintained, will not experience structural damage (defined as crack initiation) for the design life of the system.

Structural Health Monitoring solutions are essential to meeting the design criteria as they ensure that large Naval maintenance organizations can leverage the efficiencies of Condition Based Maintenance, which include the ability to reduce vessel downtime and associated costs, while ensuring fleet readiness. Further, monitoring data can be presented in real-time as an advisory system to the operator, supporting vessel safety in everyday operations.

*Ignacio Perez: Office of Naval Research, Arlington | Michael DiUlio: Naval Sea Systems Command, Washington | Scott Maley & Nam Phan: Naval Air Systems Command, Patuxent River



SENSFIB Navy, Ice and Global Forces are our most used Naval systems, however, Light Structures works with navies globally to customize solutions to the exact needs of their vessels and fleet

Secure fleet readiness and asset availability with precise measurements



Light Structures and our SENSFIB structural health monitoring enables you to:

Acquire precise structural stress and fatigue data



Analyse acquired data & deliver to any digital platforms



Optimise condition based monitoring & inspections



LIGHT STRUCTURES
Passion for Monitoring

Contact us to find out how our structural health monitoring solutions can help to ensure the readiness of your fleet

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PASSION FOR MONITORING