

VIMMS

Vessel Impact & Motion Monitoring System

VIMMS is designed as a direct response to the maritime industry's requirement to monitor crew and vessel levels of shock and vibration during operations.



A complete vessel and crew health monitoring solution designed to aid operators and program managers in monitoring, managing and extending the health and wellbeing to both personnel and maritime assets.

VIMMS is configured to support acceleration exposures to other critical components, including hull, electronics and propulsion.

SHOCKWAVE

Developed in conjunction with Shockwave Seats, VIMMS is a continuation of existing and proven monitoring and crew tracking products that have been used on offshore windfarm assets, along with commercial and military vessels for over five years.

- Real-time monitoring provides situational awareness of crew and vessel
- Autonomous seat sensing and tracking automatically logs individual time and exposure in the seat
- Crew, hull, electronics and propulsion integrated monitoring
- Shock and vibration data collection and analysis
- GSM (cellular) and satellite communication for continuous live monitoring of assets
- Secure online portal and servers for operational program platform
- Encrypted data transmission per clients requirements



- Individual crew metrics
- Live display of vessel impact levels
- Crew health warning based on individual impact dosage
- Automatic crew seat tracking
- Historic data charts

Display

- 7", 10" or 12" IP65 fixed touchscreen/tablet
- Real time and peak data
- Vessel Impact acceleration
- Helm Seat accelerations
- Roll Angle
- Roll Period
- Pitch
- Heave
- Cabin noise
- Cabin temperature

Recorded Data

- X, Y, Z acceleration
- Pitch, Roll, Yaw
- Engine RPMs*
- Throttle position*
- Steering angle*
- Speed through water*
- Engine parameters*
- Course over ground
- Speed over ground
- Position
- Time

Frequency

25 Hz recording of peak and average values

Available Extras

- Helm LED Warning Display
- Auxiliary motion sensors
- Crew Tracking
- Shock mitigation seat performance