

CHANGE THE WAY MAINTENANCE IS DONE IN INDUSTRY!

RELIABILITY | SUSTAINABILITY | SAVINGS | PEACE OF MIND



Eliminate Unplanned Breakdown



Save 30% Or More In Engine Maintenance



Reduce Emission By Identifying Root Fuel Combustion Inefficiencies



Reduce Dry Dock Period And Enable Revenue



Prolong Life Of Lube Oil And Spares



Increase MTBO With Confidence



Optimize Spare Part List And Make Advance Procurement



Remotely Monitor The Health Of All Engines



Get Complimentary Remote Support And Engine Health Inspection

Scan/ Click To Register And



ENGINE CONDITION MONITORING SYSTEM (ECMS)

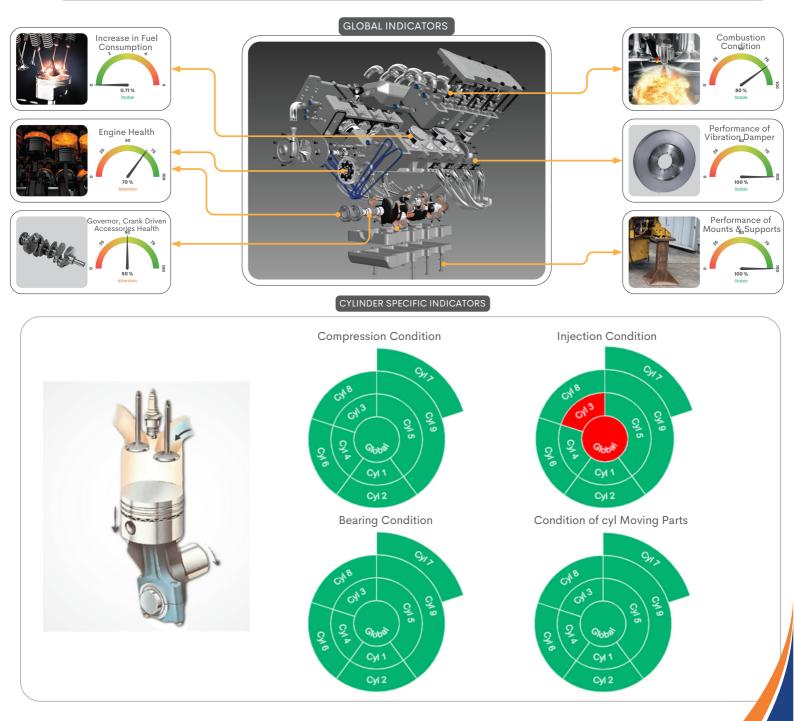
Torsional Vibration FFT based real-time engine condition monitoring system that helps identify faults in engines months before any of the conventional systems today.



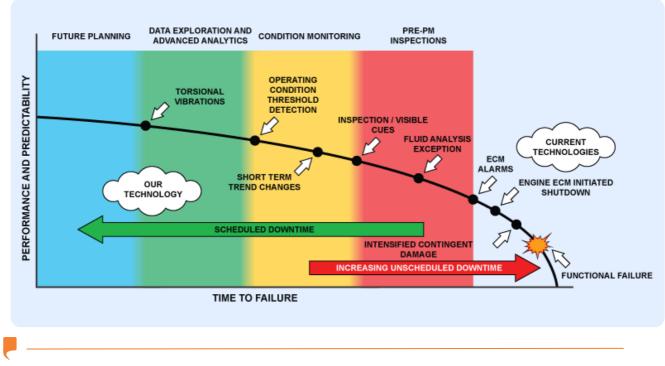
Highlights:

- One solution for a diverse fleet- compatible with all engines
- Single non-invasive sensor for the complete health of engine
- Pinpoint faults at cylinder-specific level
- Remote and In-situ options
- IR Class type-approved (world's only type-approved condition monitoring system)









TORSIONAL VIBRATION IS THE EARLEST SYMPTON OF ENGINE FAILURE IN COMPARISON TO OTHER FORMS OF SYMPTON / DATA.

Applications:



Engine (100+ INSTALLATIONS)

Combustion engine diagnostics (type of diesel, natural gas, and petrol engine, 2/4 stroke, inline/Vtype, up to 30 cylinders

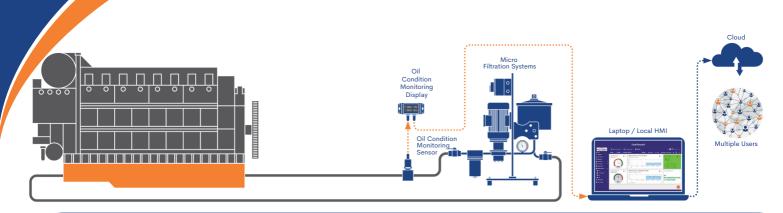


Shaft Power (ADOPTED WIDELY BY SHAPOLI USERS)

Torque and power measurement system



Turbine (50+ INSTALLATIONS) Steam and Gas Turbine Diagnostics



OIL QUALITY MANAGEMENT SOLUTION (OQMS)

Oil quality management solution to enhance oil and engine performance through continuous oil cleaning with depth filtration. Monitoring oil quality changes in real-time based on 22 parameters.



Highlights:

- Simple 1200 to 0 Scale to know Oil Health
- Continuous Oil Cleaning With Depth Filtration
- Removes Oil Contamination and Water
- Senses Oil Quality Changes Basis 22 parameter
- Absolute Filtration Till 3µ with >930 Beta Ratio
- Alarms and Trends Oil Life & Suggests Change Interval



THE CASE STUDIES THAT MIGHT INTEREST YOU















73% Savings on MOH Spares & 1 Complete TOH Eliminated With Real-**Time Engine Health Monitoring**



Solution Engine Condition Monitoring System



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Early Fault Detection Extended Major Overhaul Which Otherwise Costs ~\$2,50,000 For 7 Vessels

HE THE ₽ª, Ē K TO READ F Engine Vessel Solution Customer **Engine Condition** Harbour Tug Niigata Engines Harbour Tug Monitoring System Operator In India



H B Engine: Vessel CAT Engines Offshore Jack Up Rig



A Customer Biggest Oil PSU In India

~\$54,000 Saved & Enabled A Revenue Of ~\$750,000 Over One Month By **Enabling On-Time Deputation Of Rig**



~\$52,000 By Optimizing The Scope Of One Overhaul With Our Engine **Condition Monitoring System**



Solution: **Engine Condition Monitoring System**





~\$936,000 Of Savings Unlocked On 21 Rig Assets Over Three-Year **Contract Period**



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Engine

Solution: Oil Quality Management Solution



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Customer: Land Rig Operator In Oman





ALL CASE STUDIES

OIL & GAS



Ē Customer: Cargo Ship Operator



DEFENCE



MARINE



ABOUT NEPTUNUS -

Neptunus Power Plant Services Pvt. Ltd (founded on 24 June 1996) has 25+ years of experience in maintenance and reliability solutions for oil & gas, marine, industrial, and defence asset users across South Asia, the Middle East, Africa, and Europe.

MAINTENANCE SERVICES

Niigata (OEM authorised) | EMD (OEM authorised) | CAT | MAN | Wartsila | Yanmar Kawasaki | Nakashima | Berg

ASSETS Engines, Gensets, Auxiliary Engines, and Propulsion Systems (CPP/FPP-Propellers, Clutch, Gearbox, Bow-Thrusters)



For More Information

Neptunus Power



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