MOVUS
Smarter Machines

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CELEBRATING
40 Years
1977–2017

solving tough
challenges

Global Pumps

Predictive Maintenance Platform
Intelligent Equipment Monitoring

The Global Pumps Predictive Maintenance Platform is an innovative and cost-effective solution for remote monitoring of a wide range of rotating machines. Powered by the Movus state-of-the-art FitMachine sensor, it uses 4G wireless, machine learning and a cloud platform to monitor equipment health, as well as integration with leading CMMS systems.

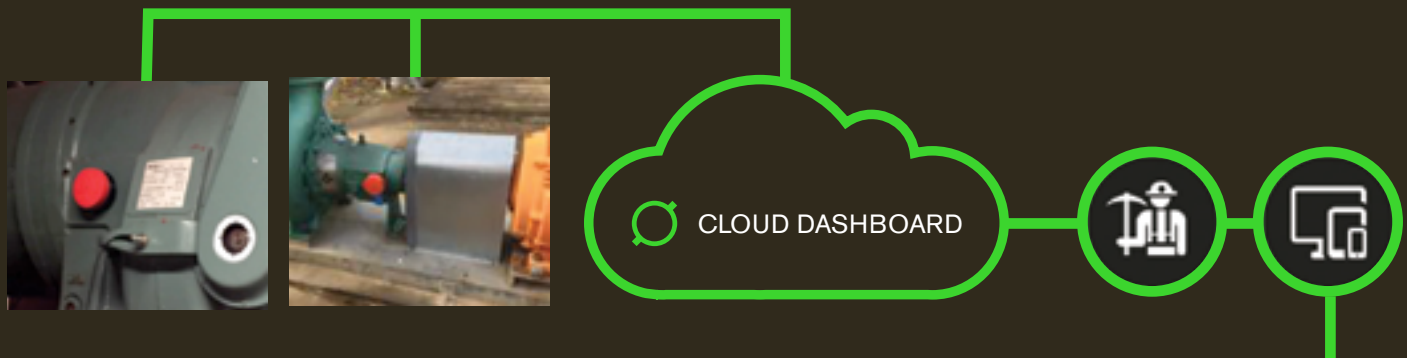### The value of continuous asset condition monitoring

Utilising adaptive hardware and advanced algorithms to monitor variances in equipment operational data is the foundation to predictive maintenance, generating savings in down-time and unnecessary scheduled servicing.

Sensors take regular samples of vibration, temperature and noise and trend these onto a user-friendly cloud dashboard. Daily health reports and tailored condition alerts enable your teams to effectively predict the best times for preventative maintenance.

- ▷ Machine learning intelligence
- ▷ Wireless connectivity
- ▷ Rapid deployment
- ▷ Zero IT footprint
- ▷ Cloud dashboard
- ▷ Near-real time trends
- ▷ Automated notifications
- ▷ Customised alerts and reporting key features

A "MACHINE LEARNING" SOLUTION

Use 20% of the effort for 80% of the insight

CLOUD DASHBOARD

Asset Insights

Status	Name	Artificial Intelligence data		Vibration (RMS mm/s)	Temp (°C)	Utilisation (% 4 weeks)	Inferred Power (kWh 4 weeks)	Running status
		Condition	Degradation					
●	Split-Case Centrifugal Water Pump 1	51% Calibrated		● 1.11	● 30.49	21.23 %	31500	
●	Submersible Sewage Pump 1	35% Calibrated		● 0.29	● 27.75	43.65 %	64051	
●	STP - (Blower 4)	33% Calibrated		● 6.36	● 57.86	15.52 %	4157	
●	STP - Rotary Lobe Blower - BLR	59% Calibrated		● 12.62	● 53.89	44.98 %	42839	

Key benefits

- 24/7 monitoring of equipment health allowing you to schedule maintenance effectively

- Plan maintenance activity using current health data

- Highlight and predict potential failures using advanced algorithms

- Identify trends within your equipment fleet

- Warning and Critical state alerts sent via email and/or SMS

- Ranking equipment by health on one dashboard for quick identification

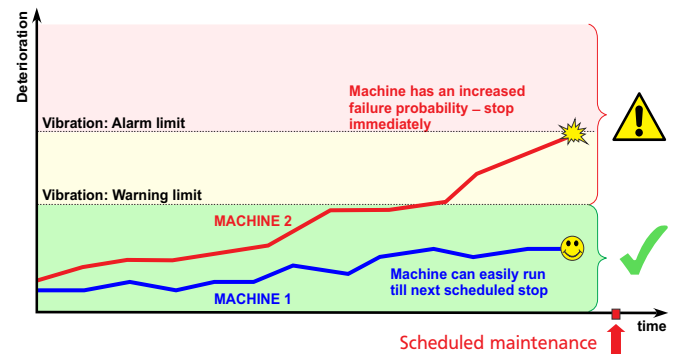- Dashboard accessible from anywhere and on any device through web browser

Key features

- Rapid non-intrusive deployment with no tools required for installation

- Zero IT footprint

- Updates and system enhancements via OTA (Over-The-Air)

- Completely standalone wireless connectivity

- Patented Artificially Intelligent condition-monitoring

- Ongoing support and training, and integration with many of the leading CMMS systems

Remote monitoring, automatic notifications

- Near-real time
  Multiple measurements per hour

- Be informed
  Predict problems before damage or outages occur

- Take action
  Equipment alerts are sent automatically to your team

Reporting and trending

- Track and trend
  Receive daily, weekly or monthly equipment report cards

- Drive improvement
  Compare performances across different locations
  Own equipment fleet

- Predictive not reactive maintenance
  Trending the rate of change reveals information that is important to estimate the time before failure

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