



Integrated Asset Performance Management

Improved asset reliability, safety and efficiency



Business Challenge






Today, annual maintenance cost of assets accounts for approx. 6-7% of the Asset Replacement Value (ARV) as compared to the norm of 3% of ARV. Maintenance teams need to deliver tangible benefits such as cost reduction and improvement in availability, while managing high value facilities and equipment where failures could be disruptive and costly. However, maintenance management is a complex, technical and a highly critical area that is driven by persistent cost pressures, stringent service levels, penalties for non-compliance and increasing demand for “zero” down time.

Therefore, in order to ensure commitment to service levels, maintenance teams need to continuously strive to reduce frequent unscheduled maintenance and improve predictability in asset failure through greater visibility into asset health.

Our Solution

Hexaware's Integrated Asset Performance Management service offering for asset-intensive industries helps to improve asset reliability, safety and efficiency and reduce risk through minimization of probability of system failure based on principles of Reliability Centered Maintenance (RCM), an optimum combination of reactive, preventive and predictive maintenance practices. This offering targets improvement in the Overall Equipment Effectiveness (OEE) and key maintenance metrics such as Asset Lifecycle Cost, Mean Time Between Failures (MTBF) and Mean Time To Repair (MTTR) spanning all assets related to infrastructure, transportation, facilities and production plants.

Integrated Asset Performance Management Service Scope

	Design	Consulting services to assess the level of maturity in maintenance management and develop a scientific RCM roadmap
	Enterprise Asset Management	Implementation of a maintenance management application to track and manage maintenance processes, also enabling compliance with ISO 55000 Asset Management framework and ISO 31000 Risk Management framework
	Monitoring	Real-time monitoring of condition and performance of assets through sensors based on Industrial Internet of Things (IIoT)
	Integration	Real-time integration between infrastructure and applications such as Enterprise Asset Management, IIoT platform, and analytics leading to benefits such as automated initiation of reactive and proactive maintenance requests
	Analytics & Insights	Predictive and Prescriptive analytics to initiate: <ul style="list-style-type: none"> Reactive maintenance based on threshold conditions/performance Evolution of preventive maintenance practices as well as predictive maintenance checks based on identification and analysis of patterns in big data captured by sensors

Based on the maturity of maintenance processes and requirements of business, this offering can be implemented in comprehensive or modular fashion.



Potential Benefits



10%

Increase in
Asset Uptime

15%

Reduction in
Maintenance
Costs



5%

Increase in
Asset Useful
Life

5%

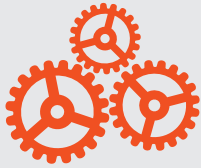
Reduction in
Capital
Purchases



20%

Improvement
in Energy
Efficiency

Results Delivered



Improved equipment effectiveness with 8% increase in availability and 20% reduction in operating costs through monitoring and analytics of equipment efficiency



Maintenance transformation encompassing implementation of Enterprise Asset Management for more than 80,000 assets, leading to accurate tracking and reduction in maintenance costs



Monitoring & Analysis of field equipment through mobility solutions resulting in enablement of proactive maintenance



Continuous improvement of Enterprise Asset Management and allied systems used for tracking maintenance, repair and overhaul of transportation equipment



Reduction in cycle time of planned maintenance activities along with reduction in maintenance costs through Asset Lifecycle Management encompassing automation of financial and Enterprise Asset Management aspects of more than 10,000 assets

About Hexaware

Hexaware is one of the leading, global providers of IT, Application, Infrastructure, BPO and Digital services. Our business philosophy of Shrink IT, Grow Digital allows customers to significantly shrink commodity IT spend while partnering with them to embrace digitalization. The Company focuses on key domains such as Banking, Financial Services, Capital Market, Healthcare, Insurance, Manufacturing, Retail, Education, Telecom, Travel, Transportation, Professional Services and Logistics. Hexaware focuses on delivering business results and leveraging technology solutions by specializing in services like; Application support, development and maintenance, Enterprise Solutions, Human Capital Management, Business Intelligence & Analytics, Digital Assurance (Testing), Infrastructure Management Services, Digital and Business Process Services. Founded in 1990, Hexaware has a well-established global delivery model armed with proprietary tools and methodologies, skilled human capital and SEI CMMI-Level 5 certification. For additional information logon to: www.hexaware.com

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