Optimize asset maintenance through machine learning

HPE Digital Prescriptive Maintenance Services from HPE Pointnext

Manufacturing, transportation, oil and gas, and other heavily mechanized industries rely on supply chain fluidity to stay afloat. Organizations in these industries have made significant investments in mission-critical machinery that is relied upon to drive business outcomes. Unexpected malfunctions and even regularly scheduled maintenance can be costly in terms of downtime, lost productivity, and risk.

Maintaining this equipment, as you well know, isn’t easy. Some organizations are spending a lot of time performing manual inspections and analyses of these assets. Others are recording information onto spreadsheets by hand. Condition-based monitoring, another method, provides more in-depth information about your equipment assets; but it, too, has limitations. This raises the question: how do you optimize the maintenance process to get the best performance, best value from your equipment?

Where IoT and AI meet to advance asset maintenance

HPE’s comprehensive Digital Prescriptive Maintenance (DPM) Services and IP from HPE Pointnext with partner and HPE technologies help you make better equipment-based decisions tailored to your needs, your system, and your environment while automating the associated actions.

HPE Prescriptive Maintenance Solution Components

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<th>HPE POINTNEXT</th>
<th>Machine learning, analytics and data management software</th>
<th>Data lakes, IoT, infrastructure</th>
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<td>Workshop</td>
<td>Open framework from data ingestion, analysis to prediction, and action automation</td>
<td>HPE Edgeline</td>
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<td>Proof-of-value</td>
<td>Analysis of various structured and unstructured data sources at the edge and data center, on-premises, or in Hybrid IT</td>
<td>HPE Apollo</td>
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<td>Implementation</td>
<td>Integration with technologies from leading IT and maintenance technology partners</td>
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Why digitize your supply chain

A huge opportunity exists to accelerate and streamline asset maintenance through digitization. Applying Internet of Things (IoT) technologies—like sensors and artificial intelligence-based insights—to the maintenance process can help you accurately gauge performance and predict failures.

Still, predictive maintenance can only take you so far. Organizations that seek to optimize assets, speed maintenance processes, and reduce risk must look to prescriptive maintenance, which can give you the reasoning and knowledge behind predictions and help you initiate corrective action—either manually or automatically.
HPE DPM Services

HPE Pointnext deploys a three-phased approach to help you leverage the advantages of IoT and AI technologies in asset maintenance. We start with a 1-day HPE Artificial Intelligence Transformation Workshop, move quickly into the proof-of-value process, and begin implementation of your customized solution.

Why HPE

Deploy a prescriptive approach to asset maintenance to optimize supply chain operations and create a competitive edge. HPE DPM Services enable you to:

- Boost speed through automation and accelerated response to maintenance issues
- Improve economics through strategically planned maintenance routines, greater uptime, productivity, and quality
- Reduce risk to the business and employees

For more information

Contact your HPE representative today to schedule a workshop or proof-of-value. Visit hpe.com/services/ai-data to learn more.