



Lower Operational Costs & Increase Asset Performance with Predictive Maintenance



Potomac's **telemus**™ application leverages the power of Artificial Intelligence to revolutionize industrial equipment maintenance. **telemus** combines the power of the Internet of Things (IoT) with AI, machine learning, and the advanced analytics and modeling capabilities of Potomac's proprietary data engine **simplai**™, to move your organization from a reactive to a proactive equipment maintenance strategy. **telemus** can help your enterprise predict equipment failures, extend the life and optimize the performance of high-value assets, and prioritize repairs and replacements – reducing unnecessary maintenance and unplanned operational downtime and costs.

telemus collects, stores, and monitors huge volumes of data in real-time – integrating with existing systems and applying advanced machine learning technology – to unlock key insights into the health of your firm's assets. According to experts, predictive maintenance increases productivity by 25%, reduces breakdowns by 70% and lowers maintenance costs by 25%¹. A McKinsey Global Institute report, *The Internet of Things: Mapping the Value Beyond the Hype*, suggested that manufacturers' savings from predictive maintenance could globally total between \$240 and \$630bn by 2025².

The telemus Advantage

A full suite of tools for your organization's predictive maintenance needs:

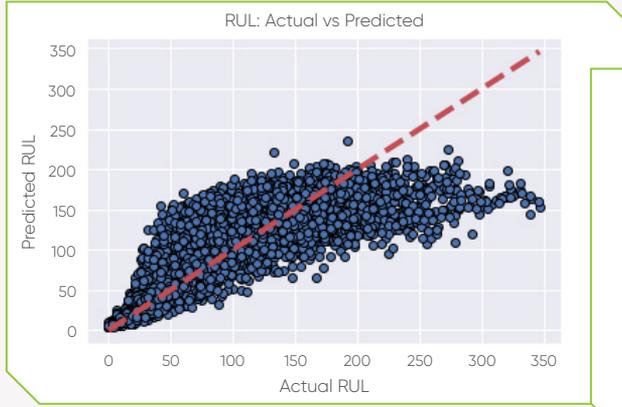
- Data-driven decision making
- Automate the inspection process & optimize inventory
- Troubleshoot and detect anomalies
- Reduce repeat equipment failures and costs
- Avoid under & over maintenance
- Remote monitoring and alerts
- Reduce emergency maintenance costs
- Reduce safety incidents
- Real-time data improves response time and reduces asset downtime
- Improve overall equipment effectiveness & increase asset output and productivity
- Reduce the high cost and disruption of unscheduled downtime and emergency repairs



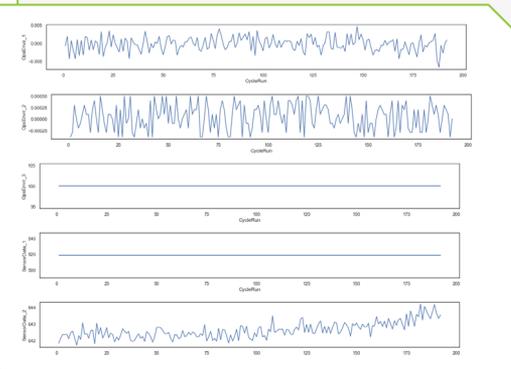
Amazon Alexa™ integration allows users to access **telemus** through voice commands

1. Deloitte Analytics Institute "Predictive Maintenance Position Paper", 7/2017
2. McKinsey Global Institute, "The Internet of Things: Mapping the Value Beyond the Hype", June 2015

Performance Using Best Model - Gradient Boosting



Sensor Data Readings for a Given Engine



telemus: Built on Simplai

telemus is supported by Potomac’s innovative digital platform **simplai**. Powered by AI, **simplai** processes billions of records – organizing and analyzing them in just seconds – and automatically spots trends and patterns which deliver new insights into equipment sensor, historical performance and maintenance records, and additional key data sets to deliver custom predictive maintenance models, drill-down reporting, analysis, and workflow management. **simplai** easily handles the enormous volumes of data generated by the IoT and is optimized for high speed data processing. The power of **telemus** lies in its ability to respond to real-time equipment conditions to help organizations optimize asset management and avoid unplanned downtime.

Products & Solutions

Potomac’s product suite and custom solutions are all built using the power of **simplai**. For more information, visit our website www.potomac.ai



simplai™



junosmart™



junoprotect™



ask **simplai**



Smart City



Venue Management System



Data Insight Finder



Chatbots

Who We Are

Potomac Technologies is an Artificial Intelligence innovator, partnering with firms across a variety of industries, to transform their businesses and solve the challenges of Big Data and AI implementation. Founded in 2016, and backed by a large private equity firm, our worldwide team of Wall Street professionals, data scientists, AI experts and software engineers has years of experience developing and deploying innovative AI and machine-learning based software and related products and applications.

For more information, visit our website at www.potomac.ai

For a demonstration of the power of **telemus**, (+1) 646.969.6669 info@potomactpl.com



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