Uptake Technologies

Uptake Federal -- COTS Condition-Based Maintenance Solution

DUNS: 079623632 CAGE Code: 7YZN6

Marine Depot Maintenance Command

PROBLEM STATEMENT

The DoD faces challenges to meet operational readiness and availability targets while the cost of sustaining its assets is steadily increasing. Sustainment costs and modernization objectives are often viewed as diametrically opposed; as modernization takes priority, resources tend to be reallocated at the expense of sustainment initiatives.

Although OEMs have historically played a role in sustainment efforts, they are incentivized to sell parts and services and are limited to analyzing only the platforms they bring to market. This creates a crowded and complicated landscape of vendors whose priorities are not naturally aligned with the DoD's goal of readiness at a reduced cost.

BENEFITS

Insights that enable data-driven decisions to improve fleet operations by: getting ahead of maintenance cycles, stocking the right parts ahead of failure, supporting a warranty claim against an OEM, or evaluating operational availability & usage.

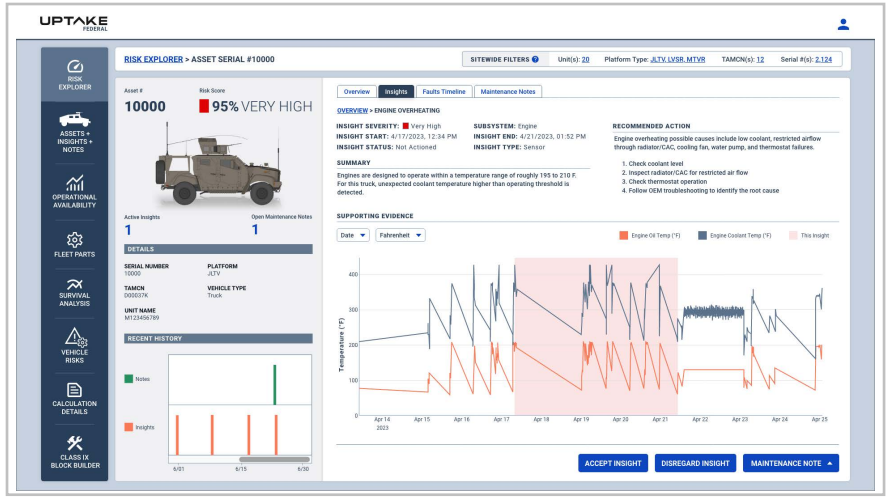
"Uptake reduced maintenance costs by 8%, increased technician efficiency by 17%, and increased vehicle availability by 15%. Applying this technology across the DoD would yield significant cost and time savings, increase vehicle safety, increase vehicle availability, and decrease the risk of vehicle failure during operations."

-- Defense Innovation Unit (DIU) and United States Marine Corps Letter of Completion, 10/18/22

TECHNOLOGY SOLUTION

Uptake's condition-based maintenance software improves operational readiness using historical records and data collected from asset sensors to give predictive insights into vehicle health.

It enhances the full data life cycle (ingestion, aggregation, normalization, and monitoring), and drives measurable results by combining input across various data types and sources such as asset signal data and GCSS-based work orders to deliver valuable insights.

It enables any user to drive operation and financial outcomes in hours rather than days/weeks with actionable recommendations that grow more effective over time via machine learning.

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