ADISRA KnowledgeView™

Maintenance is expensive. Downtime is even more expensive. What to minimize both?

ADISRA KnowledgeView driving value for users

Benefits:

Actual knowledge of machines real peerformance
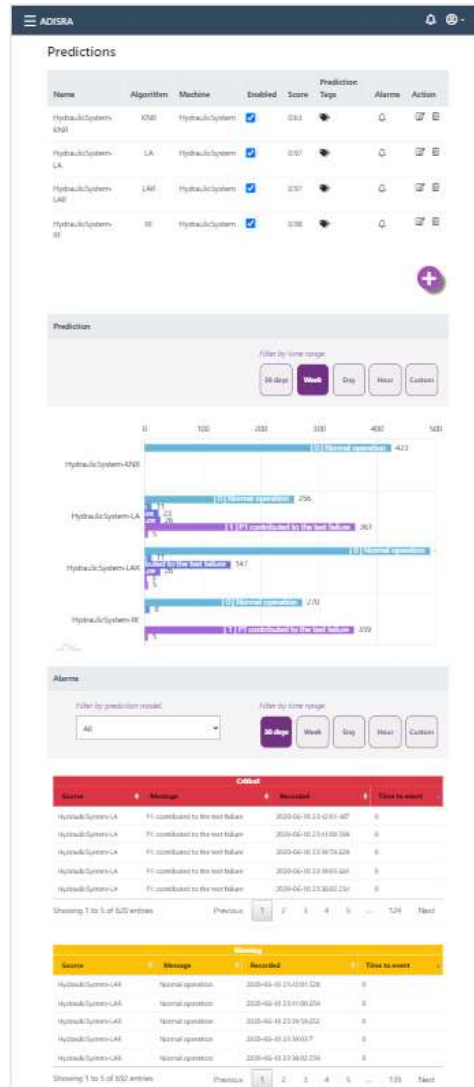
Early Fault Detection

Less Equipment Downtime

Better Equipment Performance

Extended Equipment Lifespan

Increased labor utilization

Reduced operational costs

KnowledgeView™ uses software-as-a-service licensing and delivery model. This model improves the product usage time to benefit and lowers the overall IT costs. Additionally, when updates are made, the updates will be available as part of the monthly service fee.

KnowledgeView assists with improving production and maintenance efficiency. Production efficiency focuses on improving the time that the machine is up and running while eliminating costly scheduled maintenance using predictive maintenance algorithms.

Features Overview

* **Connectivity** – collect data directly from local or remote databases. Data can be residing in multiple data sources and ADISRA KnowledgeView will consolidate the data into meaningful easy to understand visual information.

* **Analyze** - Proactively assess real-time data along with failure predictions and anomaly detection to project asset failure.

* **Algorithms** – System applies the latest predictive analytics algorithms based on both classical statistical approaches and novel machine learning tools to assess Survivability, Detect and Diagnosis Faults and calculate the Remaining Useful Lifetime (RUL) with a high degree of certainty based on equipment operation and historical data.

* **Visualize** – Dashboards easily visualized on desktop, web browsers, tablets, and mobile devices.

* **Security** – Easy user configuration and identifying the specific information that they may view.

ADISRA KnowledgeView has the ability for users to have comprehensive insight into asset risk enabling them to maintain higher levels of asset availability cross their entire installation.

KnowledgeView uses a variety of predictive analytics to detect a problem from large amount of data to predict downtime, outage, and failure before it occurs. Assets can be set-up in a hierarchy by machines, lines, plants, or over several plants.

Alerts and Notifications	Users can configurable alerts and thresholds to coordinate when the deviation between actual values and predictive values diverge. Alerts and notifications can be managed in a variety of ways for example criticality, duration, and frequency. Alerts are summarized and presented within an easy-to-use dashboard environment and can be configured for delivery to designated contacts email.
Data Analysis	Analyze data and build analytics models to predict future outcomes. Uncover risks and opportunities for your business. The statistical applications interpret the data using visual representations so that users can understand the story being told in their data.
Algorithms	Enable creation of advanced statistical, analytical, and model-based predictive analytics models for critical assets using the flexibility of Python and its open-source libraries. The algorithms are customizable, based on classical statistics and machine learning models, and can serve a variety of process and data frameworks, allowing the application to perform Fault Detection & Diagnosis, Survival Analysis, and calculate the RUL
Monitor & Visualization	Continuous real-time monitoring and visualization of critical insights into the health of equipment. This allows easy visualization of abnormality both now and in future predictions to avoid costly downtime.
Security	A cloud-based predictive maintenance solution designed from the outset with usable security in mind.

TECHNICAL SUPPORT

- Support@ADISRA.com
- Chat on our website
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For more information on any of our products or services please visit us on the Web at: www.ADISRA.com
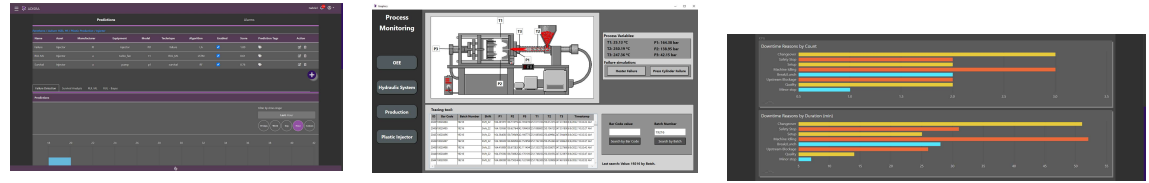
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