CASCADE™
CARE module

Real time data filtering and monitoring for Cascade

Cascade’s CARE module monitors your equipment fleet, alerting you and your team to critical events and performance indicators – allowing you to prevent costly failures before they occur.

The CARE module in Cascade monitors and analyzes incoming streams of data to anticipate and respond to leading indicators of failure before they turn into problems. The Cascade CARE module acts as a watchdog, keeping an eye on data as it flows in, detecting the anomalies that indicate a potential problem, and reacting to the information as your team sees fit.

The CARE module consolidates data from Cascade and real-time data archives, such as PI Historian from OSIsoft or eDNA from inSTEP, then uses functions to analyze and report back to you the events you specify.

Cascade’s CARE module allows you to have an up-to-date picture of changing conditions throughout your fleet of monitored assets. It enables you to anticipate problems before they materialize. This ability to anticipate and avoid costly failures is an invaluable tool in your asset management toolbox.

Key benefits of Cascade’s CARE module:
- Continuously watches your equipment’s performance and environment, acting when events you define occur
- Enhances and extracts additional value from your investment in SCADA and real time data collection
- Executes functions for monitoring events related to:
  - Equipment health
  - Periodic inspections
  - Operational stress
  - Your custom needs
- Evaluates data from multiple data sources:
  - Real-time data
  - Inspection data
  - Diagnostic tests
  - Equipment nameplate, location, and position
Cascade’s CARE module integrates multiple data sources

The CARE module gathers information from SCADA historians, such as PI historian or eDNA, substation automation systems, and operations information systems.

It aggregates information into an easy-to-use function builder, which allows users to construct formulas that represent the critical scenarios that are important to your organization.

Information is then exported as reads to Cascade, which allows you to take full advantage of Cascade’s triggering engine for alerts or maintenance order generation.

Consolidated data helps avoid failures and increase reliability

The CARE module, like the rest of Cascade, makes it simple to locate external information (such as PI tags and equipment) and associate it with the appropriate equipment type, as well as identify tag types.

You can anticipate problems and maintain equipment better with the CARE module in Cascade. Our current customers have found that previous equipment failures could have been avoided if the right information could have been consolidated and looked at as a unit. With the CARE module they now have this ability and gain an edge in increasing reliability and ensuring equipment data transparency.

Automatic updates and monitoring with customized alerts

Cascade’s CARE module automatically scans the tag database for new tags and inputs them into the Cascade database, allowing you to map tag information to the correct equipment.

Functions can then be run at selected schedules to evaluate equipment health. If the CARE module detects any scenario exceptions, it automatically exports the information to Cascade. Cascade then notifies you of the problem via an automated alert or generated maintenance needed to resolve the issue.

Alerts are customizable, ensuring the right people are notified when specified events occur.