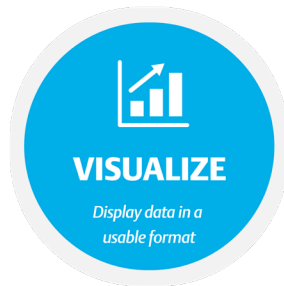# Plantweb Optics Analytics

EMERSON
PLANTWEB
optics
Analytics

Plantweb Optics Analytics is extensible software that leverages artificial intelligence, machine learning, and industry-based expertise to ensure operational health and optimize plant-wide performance by detecting abnormal behavior of processes and assets, identifying root causes of problems, and predicting future performance.

COLLECT
Pull in valuable data

ANALYZE
Gain insight from data

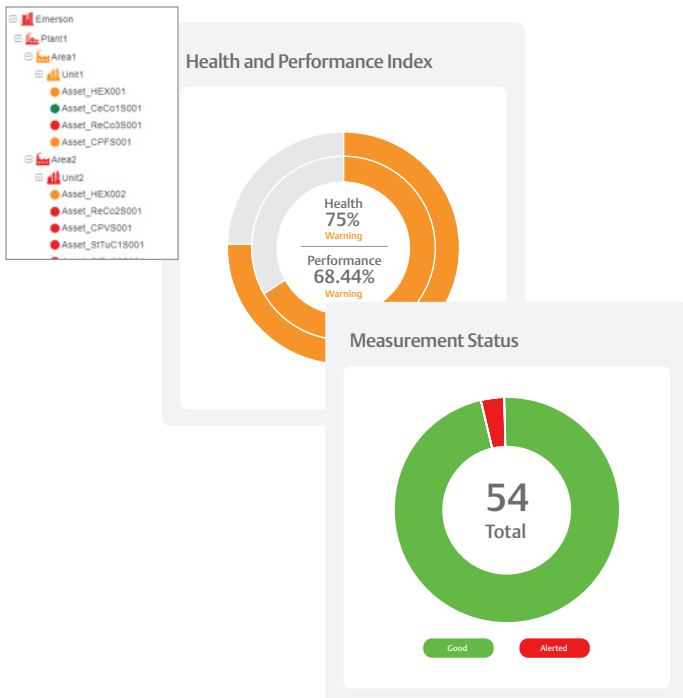## VISUALIZE
Display data in a usable format

REACH OPERATIONAL EXCELLENCE BY UTILIZING ANALYTICS TO

- Detect abnormal events

- Capture and deliver knowledge

- Identify and manage performance deviations

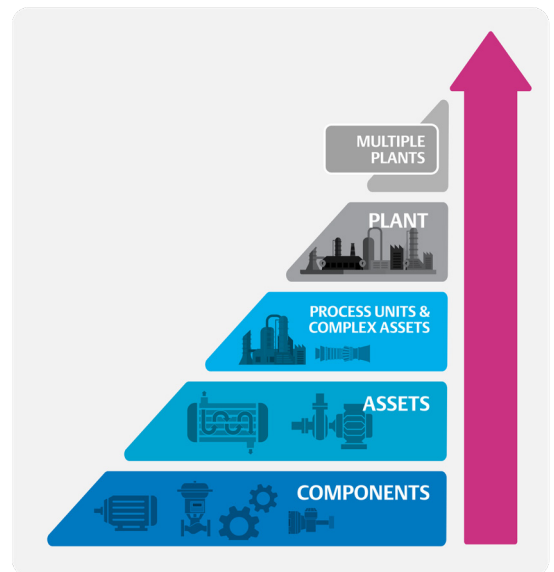- Increase visibility across the enterprise

Ensure Operational Health

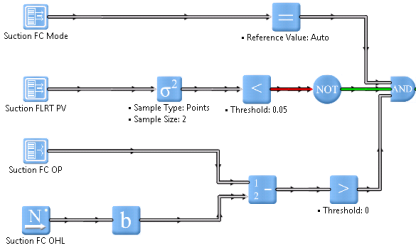Eliminate data silos and get a full view of your operations performance.

Health and Performance Index

Health
75%
Warning

Performance
68.44%
Warning

Measurement Status

54
Total

Good   Alerted

Optimize Plant-wide Performance

Easily extend analytics to a wide range of plant assets and processes to reduce inefficiencies.

MULTIPLE PLANTS

PLANT

PROCESS UNITS & COMPLEX ASSETS
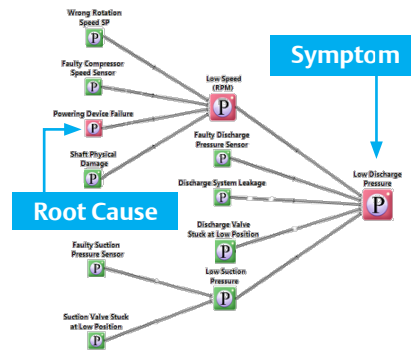
ASSETS

COMPONENTS

EMERSON™

Intuitive, Graphical User Interface

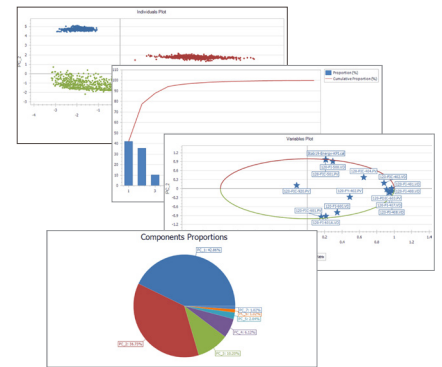Build and maintain models without the need for programming knowledge.

Root Cause Analysis

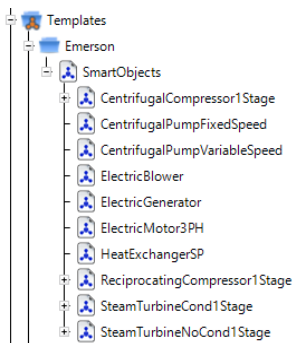Real-time RCA graphically showing the root cause of issues or deviations.

Scale to AI / ML

Incorporate advanced analytics including artificial intelligence and machine learning to drive even more insight.
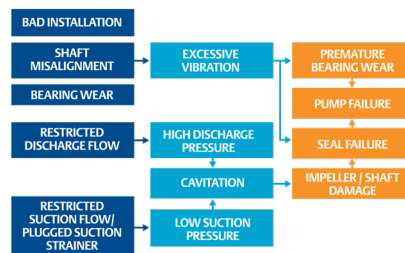

Library of Asset Templates

Utilize the Emerson library of templates as a powerful base for easy and proven asset analytics.
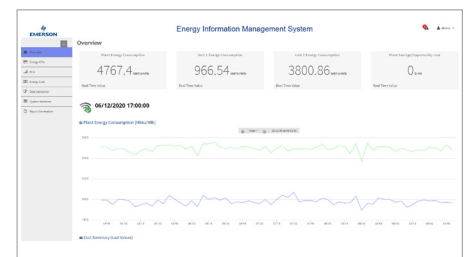

FMEA Library

Emerson's extensive FMEA library can power RCA fault trees.
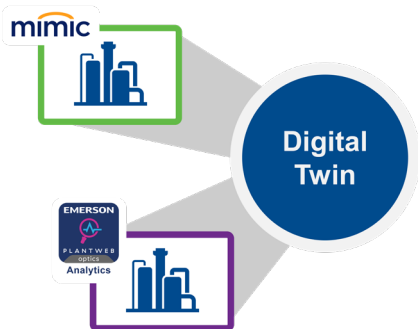

Energy Management

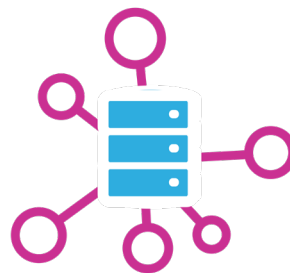Optimize Energy with a proven Energy Management Information System solution.

Digital Twin

Combine with software like Mimic to add capabilities to an online digital twin.

Optics Data Lake

Save development time with one connection to multiple data sources with Plantweb Optics Data Lake (See the datasheet for more information).

Cloud Hosted Solution

Emerson has partnered with Microsoft to offer Plantweb Optics Analytics Cloud Hosted Solution (See the datasheet for more information).

www.emerson.com/plantwebopticsanalytics

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