



WHY ANALYTICS MATTER

Operational analytics have the potential to impact the performance of simple equipment, complex assets and process units, and entire plants. When effectively applied, these analytics can drive significant improvement in key performance areas such as reliability, production optimization, energy management and safety.

THE IMPACT OF OPERATIONAL ANALYTICS

\$4T CAPITALIZING ON ECONOMIC OPPORTUNITY
Industry estimates show analytics has the potential to deliver more than **\$4 trillion** of growth in industrial manufacturing.

DRIVING OPERATIONAL EXCELLENCE
Analytics-driven predictive maintenance typically **reduces machine downtime by 30-50%** and **increases machine life by 20-40%**.

30-50%

1TB PER DAY MAKING THE MOST OF YOUR DATA
The typical plant is generating more than **one terabyte of data a day** with expectations that number will multiply by a factor between five and ten, during the next five years.

90%

KEEPING UP WITH THE COMPETITION
More than 90% of companies will be analyzing data to support the manufacturing process within three years. Gaining a competitive edge will require applying analytics in ways that generate real results.

PLANTWEB

Emerson's Plantweb digital ecosystem offers the industry's most comprehensive portfolio of operational analytics – enabling you to solve any challenge at any level.

ANALYTICS BUILT TO DELIVER

EASE OF USE

Plantweb's analytic solutions are designed for operations and seamlessly integrate with existing infrastructures, working with both Emerson and third-party systems. And because they're easy to configure and maintain, your operations personnel don't have to be data scientists.

BY INDUSTRY, FOR INDUSTRY

Plantweb's analytic solutions are built for purpose and leverage embedded expertise based on Emerson's deep industry knowledge. This ensures they're targeted at your specific operational challenges so that you can positively impact your KPIs.

INTERCONNECTED FOR ENHANCED BENEFITS

Plantweb's analytic solutions work with each other and deliver even more powerful operational insights when used together. This Interconnectedness between solutions helps to ensure a cohesive, community of devices that accelerates your digital transformation.

SUPPORTED THROUGHOUT LIFECYCLE

Plantweb's analytic solutions are supported by Emerson throughout their lifecycle – from installation to configuration and even associated training of your personnel. What's more, these solutions can grow with your business, adapting to different market variables, accounting for new operational goals or extending your successes.

THE RIGHT SOLUTIONS FOR ANY CHALLENGE

ADVANCED ANALYTICS

Identify root causes of complex problems and predict future performance by leveraging the power of predictive modeling, machine learning and advanced simulation to correlate linkages between data and events.

OPERATIONAL PERFORMANCE ANALYTICS

Drive the performance of your operations to new levels with actionable information aimed at ensuring operational health and optimizing plant-wide performance.

ASSET-HEALTH ANALYTICS

Improve reliability and safety by leveraging preconfigured applications that provide enhanced insight into the health and condition of specific asset classes.

FOUNDATIONAL DIAGNOSTICS

Respond to equipment issues quicker and more effectively based on accurate, timely diagnostics of your instrumentation and rotating machinery.