Heard a lot of buzz about manufacturing analytics, but don’t know what it is or where to begin? Don’t worry – you’re not alone. There’s so much information out there that it’s easy to get overwhelmed. To illustrate what analytics can do for you, let’s draw an analogy.

Everywhere you turn these days, it seems that everyone is wearing a fitness tracker on their wrist to track number of steps taken, heart rate, miles walked, etc. In raw form, the data looks like this ….

Instead, fitness trackers take that data, transform it, and display it to you in a way that allows you to instantly make decisions on the go.

This is how you want to be able to view the data that your device captures.

With a quick glance at your mobile device, you can tell that you have been inactive for the past 2 hours and still have 3500 steps and 7 flights of stairs to climb to meet your daily goal.
Let’s Take a Closer Look

Similar to how a fitness tracker helps you make better decisions about your personal health, FactoryTalk Analytics for Devices gives you a quick look into the health of your control system devices, enabling you to better manage plant operations.

Simply put, data isn’t useful unless it’s helping you take your decision-making and performance to the next level. That’s what analytics can do for you; and, FactoryTalk Analytics for Devices is a great place to start because you can see the value in less than five minutes.

FactoryTalk Analytics for Devices is delivered on an Allen-Bradley® VersaView® appliance.
Implementing FactoryTalk Analytics for Devices was super easy. It took about 3 minutes, a couple of mouse clicks, and we were analyzing problems that we were then able to solve immediately.”

John Blystone
Electrical and Control Supervisor, Great Lakes Brewery

**Discover Data**

**Detects**
Rockwell Automation Ethernet/IP devices on the local network making it easy to start collecting and exploring data

**Diagnoses**
and logs information from up to 100 devices

**Stores**
data on board to perform advanced historical diagnostics

**DID YOU KNOW?**
Each appliance gathers data from up to 100 devices. Have more devices? Simply add additional appliances.

Each appliance starts working for you as soon as it’s a member of your EtherNet/IP network.
Contextualize Data

Monitors and analyzes conditions across multiple devices on the network, determining patterns.

Delivers action cards to your browser or mobile device when a situation occurs that the system feels needs attention.

Learns which issues are important to you by allowing you to “vote on” action cards.

Provides a friendly chatbot (named Shelby™) to help answer questions about operations and devices.

DID YOU KNOW? Shelby has a sense of humor. Just ask Shelby to tell you a joke.
Apply Insights

Auto-Generates and displays dashboards with contextualized information to notify user when issues are identified.

Monitors the control system on your behalf, performing system-level diagnostics to identify and solve hard-to-discover issues.

Performs analytics on the detected smart devices to identify health and maintenance issues that could impact performance.

FactoryTalk Analytics for Devices
Control systems are inherently data-heavy, but that data provides no value unless it’s transformed into information.

Once it’s an active member of your EtherNet/IP network, FactoryTalk Analytics for Devices starts working for you immediately, finding device and system-level insights, contextualizing that data, and delivering real-time actionable information. The best part? There’s no cloud connection, no dashboard development required. It’s all done for you through auto-generated dashboards.

“Data without context isn’t information.”
Frank Kulaszewicz
Sr. VP Architecture & Software, Rockwell Automation
We want to make sure the information gets to the right person, so we created smart, easy to use action cards that you can access from a web browser or FactoryTalk® TeamONE™.

Items that require your attention are listed and as our system gets smarter, we will tell you what to do to fix any issue.

FactoryTalk Analytics for Devices gets smarter with more runtime as it gathers data on what’s important to you, and how devices in your control system are configured to manufacture your product.
Chat Bot - Shelby

Shelby is currently monitoring 18 devices. The PowerFlex 525 & 753 need maintenance.

Want to know which devices are offline or need maintenance? Need to know what to do to repair a drive that’s down? Just ask Shelby, our friendly chatbot included in FactoryTalk Analytics for Devices.

With Microsoft cognitive services as a foundation, Shelby is a data scientist in a box, fetching all types of information with a simple voice command. In just a few clicks of a mouse, Shelby can be deployed in your manufacturing operation and will start detecting devices, analyzing data, and providing insights on issues that could impact performance.

Hey Shelby! What's the status of my operation?

Shelby is currently monitoring 18 devices. The PowerFlex 525 & 753 need maintenance.

Hey Shelby! What’s the status of my operation?

DID YOU KNOW?
You can make your team more productive for FREE with the FactoryTalk TeamONE collaboration tool. Coming soon .... an Analytics module to interact with Shelby! Learn more about FactoryTalk TeamONE.

SCAN CODE TO DOWNLOAD

FactoyTalk Analytics for Devices
Becoming System Aware

Control system devices are becoming increasingly more self-aware with intelligent onboard diagnostics. FactoryTalk Analytics for Devices allows these devices to start becoming system aware, gaining an understanding of device interactions. Understanding the relationships between the devices allows a higher level of analysis to be performed.

For example, the system feed can find and display issues that would normally be very hard to determine by checking each device, but since we know about each device, systemic issues can be identified and alerted on.

"It would have taken me hours (or even days) to identify this duplex mismatch without FactoryTalk Analytics for Devices."
Getting Started is as Easy as 1-2-3!

Delivered on an appliance with pre-loaded software, FactoryTalk Analytics for Devices provides value in under 5 minutes.

1. Plug appliance in
2. Add to Ethernet/IP Network
3. Get Immediate Health & Diagnostics

ORDERING IS A SNAP!
• Visit our **ecommerce portal.**
• Create a KnowledgeBase account
• Answer a few questions.
• Start getting Info!

Every minute you spend configuring products is a drain on productivity, so we made FactoryTalk Analytics for Devices as easy to use as possible.
Summary

Our customers are constantly on the go and don’t have time to parse through their control system data to gain actionable insights. That’s why we created this analytics tool to deliver immediate value. Using FactoryTalk Analytics for Devices is a simple, approachable way to start your analytics journey. It’s a starting point that lays the foundation for the future direction of the IIoT strategy in your operations.

Control system devices are increasingly becoming more self aware with intelligent onboard diagnostics. FactoryTalk Analytics for Devices allows these devices to become system aware, where data can be aggregated, analyzed, and presented no matter where you are. With auto-discovery of EtherNet/IP devices, a friendly chatbot, informative action cards that are presented to the right person at the right time, with a time to value of less than 5 minutes, you can’t go wrong with FactoryTalk Analytics for Devices.

But wait .... there's more! FactoryTalk Analytics for Devices is just one piece of a scalable analytics strategy that can provide positive business outcomes at every level of your operations. Using the smart assets in your architecture, our scalable offerings improve collaboration on the plant floor and across the enterprise. Wherever you are on your journey to a Connected Enterprise, we can help you connect, manage, validate, and optimize production.

For more information, CLICK HERE.

“The technology allows our brewers and other process individuals to stay focused on the craft of the product instead of the process.”

John Blystone
Electrical and Control Supervisor, Great Lakes Brewery
Rockwell Automation, Inc. (NYSE:ROK), the world’s largest company dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

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