## DATA ENABLEMENT

# A Practical Data Analytics Approach Using OT Data That Keeps YOU in Control of Success

**Ron Eastep, Senior Practice Leader**

*Manufacturing teams are constantly trying to determine how they can get better. Continuous improvement seems to be at the forefront of every initiative and for good reason. We are not a society that settles for mediocrity, especially when it comes to our manufacturing processes. The drive for using OT (Operational Technology) data for gaining process insights is nothing new, but it is most certainly transforming.*

## Data Workshop Strategy Addresses Big Picture Challenges

Meeting the challenges of improving unit operations in a manufacturing site requires the use of OT data that spans many different departments. Frequently each of those departments have their own methods and procedures for data collection. Knowing what data is important, and prioritizing how to connect that data, is key for delivering meaningful results for any data analytics project.

Apperture ensures success throughout the data analytics journey by developing a strong relationship with your team. Using our Data Workshop format, we work directly with manufacturing teams to learn where we can complement your talent and drive the most impactful goals. This starts with getting the right people in the room—executives, SMEs, shift operators, engineers, and others.

We then strive to learn your manufacturing process and understand the challenges so that we can become a valued contributor to your team dynamic. We do this by diving into pain points, finding symptoms of variability, and then discussing how your data sources can drive analytics use cases.

The outcome of a Data Workshop must address big, overall objectives for the manufacturing facility. It might include some of the following:

- Production yield
- Production capacity
- Production schedule adherence
- Unplanned downtime
- Equipment performance
- Overall Equipment Effectiveness (OEE)



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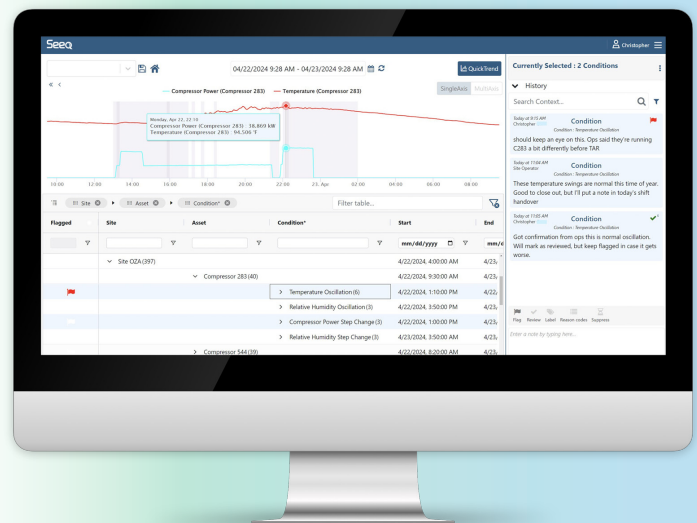SOLUTIONS

## Mining Meaningful Use Cases

We recognize that use cases must maintain a clear focus on driving better and quicker decision-making that allows your operations team to react effectively. Once the team has brainstormed the target areas, we buildout each use case by defining specifically what will be analyzed, the relevant data associated with the process, and additional data that is required for success. As well, each use case is given an Impact rating and a Difficulty rating to help determine its priority for implementation.

Armed with a sound plan, our team leverages an increasingly popular self-service analytics platform called Seeq. The Seeq platform is designed to work with your tribal knowledge of the process and leverages the power of connecting disparate data sources. System deployment is quickly spun up by using the Seeq SaaS environment along with on-premises data connectors that provide secure and efficient access to your data.

**START YOUR DATA ANALYTICS JOURNEY MORE QUICKLY USING SEEQ AND THE DATA ANALYTICS EXPERTS AT APPERTURE. WE CAN DRASTICALLY CUT DOWN THE AMOUNT OF TIME SPENT FIXING TIME-SERIES DATA AND SPEND MORE TIME COMING UP WITH BRILLIANT IDEAS OF SOLVING PROBLEMS FASTER.**

## About Seeq

Seeq is a self-service industrial analytics, AI, and monitoring platform that enables SMEs and production engineers to quickly cleanse connected data to ensure quality and reliability of the information being analyzed. Seeq drives users to build out significant results and encourages collaboration between teams to ensure better decision-making. Seeq connects disparate data sources, immediately alleviating the challenges of live data connectivity and empowering users to gain insights while it's running, enabling "in-process" decision making. Apperture is a Seeq Value Added Reseller and Certified Partner.

## Apperture Data Enablement Practice

Data should be exciting and relevant. Collecting data is step one; however, turning that data into actionable information requires process knowledge, data analysis, modeling, and visualization. By using modern approaches to data analysis and reporting, combined with the overall user experience, we enable your data to tell better stories. It should be able to speak to equipment effectiveness and bring confidence to your production demands and maintenance requirements. It should allow you to take a deep dive into specific use cases—determining if and where process inefficiencies are costing money and lost capacity. We look forward to becoming your guide to the next adventure—optimizing your production operations to take a fresh look at your data silos and explore what opportunities are in reach.

## Apperture SOLUTIONS

5001 South Miami Boulevard, Suite 110, Durham, NC 27703
AppertureSolutions.com | 919-566-1104