§sas. ▪▪ Microsoft Azure

Improve Manufacturing Quality
Provide a holistic view of quality across the enterprise and throughout the product life cycle.

Why customers use SAS

- Quickly contextualize huge volumes of sensor data in one place

- Accelerate your digital transformation programs

- Move from solving yesterday's problems to securing tomorrow's revenue

Achieve Higher Manufacturing Quality at a Lower Cost.

Manufacturing operations leaders need to reduce cost, improve productivity, and minimize risk. Industry 4.0 initiatives help organizations transform from a reactive to a proactive approach through scalable data integration and advanced analytics to extract deeper insights.

SAS Production Quality Analytics.

By combining the power of data integration, automation and analytics, SAS enables you to fully understand operational processes so you can make sustainable improvements and lower associated costs.

EMPOWER YOUR SCARCE ENGINEERING RESOURCES

- **A complete spectrum of analytical tools, including:**

- **Explorative analysis and design of experiments with optimizers**

- **Cause-and-effect tools such as Ishikawa diagrams**

Reduce variation.

ACHIEVE ADVANCED PROCESS CONTROL

- **Run models in real time and get predictive alerts on quality issues before they happen**

- **Neural networking, regression analysis, and clustering**

- **Set up downstream processes to compensate for upstream quality issues**

Improve yields.

TIGHTER CONTROLS, MORE EFFICIENT PROCESSES

- **View high volumes of process sensor data in context**

- **Visually identify areas needing investigation**

- **Use machine learning algorithms to analyze your process and determine the optimal setpoints**

Improve profitability.

Achieve improved yields at a lower cost.

Access, integrate and enrich data from multiple sources. Simplify your analytics culture. Embed insights from the production floor to the executive suite.
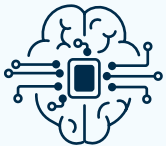
Powerful
- Support digital transformation initiatives
- Advanced data models built to support sensor and industrial IoT data streams
- The world's most advanced analytics, including artificial intelligence and machine learning

Productive
- Everyone from the shop floor to the top floor has the right tools at the right time
- Quality explorations allow users to view high volumes of sensor data in context
- Visually identify areas needing investigation for a deeper process understanding

Proactive
- Use machine learning algorithms to analyze your process
- Determine optimal setpoints
- Run models in real time and get predictive alerts on quality issues before they happen

Using SAS, a global process manufacturer quickly went from a single pilot project to a global deployment across twenty plants. They reduced downtime, costs, and energy consumption while improving product quality.

Transform your customer experience through quality.

To learn more about SAS Production Quality Analytics benefits, view videos and demos, and see other related material, please visit www.sas.com/production-quality-analytics.

Why SAS and Microsoft?

SAS and Microsoft have joined forces to define the future of AI and analytics in the cloud. With Microsoft Azure as the preferred provider for the SAS® Cloud, we are working together to provide the best experience and value to our customers as they seek to run their mission-critical analytics workloads in the cloud. Through this strategic partnership, we will offer new market-ready solutions and services that integrate SAS Analytics and AI with Microsoft cloud solutions: Azure, Microsoft 365, Dynamics 365 and Power Platform. Now customers in every industry can unlock even more critical data insights on the path to digital transformation, meet business goals faster, and drive innovation cost-effectively.

Learn more at:
SAS.com/Microsoft