

# Intelligent Analytics

Smart sensors and IoT devices are creating an increasing amount of valuable shop floor data, which can uncover critical insight into operations and provide opportunities for optimization. Manual analysis of this volume of data is not possible in real-time, nor is it feasible to think that human judgment can detect slow drifts in performance over time. Analysis tools incorporating AI tools like deep learning and neural networks are required to apply context, identify correlation/causality, and provide actionable recommendations that augment human intelligence and decision-making.

## Why Intelligent Analytics?

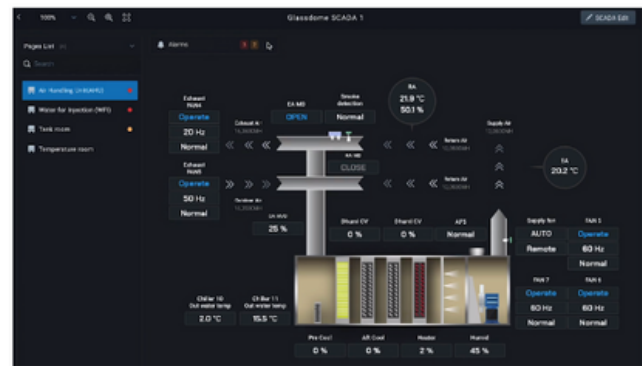
- High volume of digital data
- Data-driven decision making
- Digitalization of plant
- Actionable intelligence

## How is it accomplished?

- Digitize and collect data
- Analysis finds correlation between data sources
- Uncover hidden trends

## Application Principles

- Comprehensive data access
- Complete plant visibility
- Visual and contextual
- Customizable dashboards



## Shop Floor Impacts

- Streamline decision making
- Improve yield & productivity
- Reduce wastes & costs
- Process optimization



Thanks to **Glassdome** for their support in highlighting their solution for intelligent analysis solutions.

# Additional Suppliers for Intelligent Analytics



Tulip offers a next-generation [Manufacturing Execution System](#) (MES) platform that allows users to reliably execute their processes and capture product and process information. The acquired data can then be used with their [analytics platform](#) for real-time analysis, visibility, modeling, and reporting to support improved decision-making.

dataPARC's [PARCview](#) platform is a real-time data analysis and visualization toolkit for end-users. It allows users to quickly transform critical data into useful information for data-driven decision-making and improved root-cause analysis.



Reveal creates embedded analytics solutions for manufacturers to leverage tools like predictive analytics, demand forecasting, and supply chain optimization. These capabilities help manufacturers streamline processes, improve decision-making, and enhance performance.

Aegis provides a [manufacturing analytics](#) solution that can reduce costs and complexity associated with acquiring data and applying context to draw out actionable insights. By drawing from enterprise-wide data sources, the analytics engine identifies trends and patterns and present them visually for improved decision-making.

