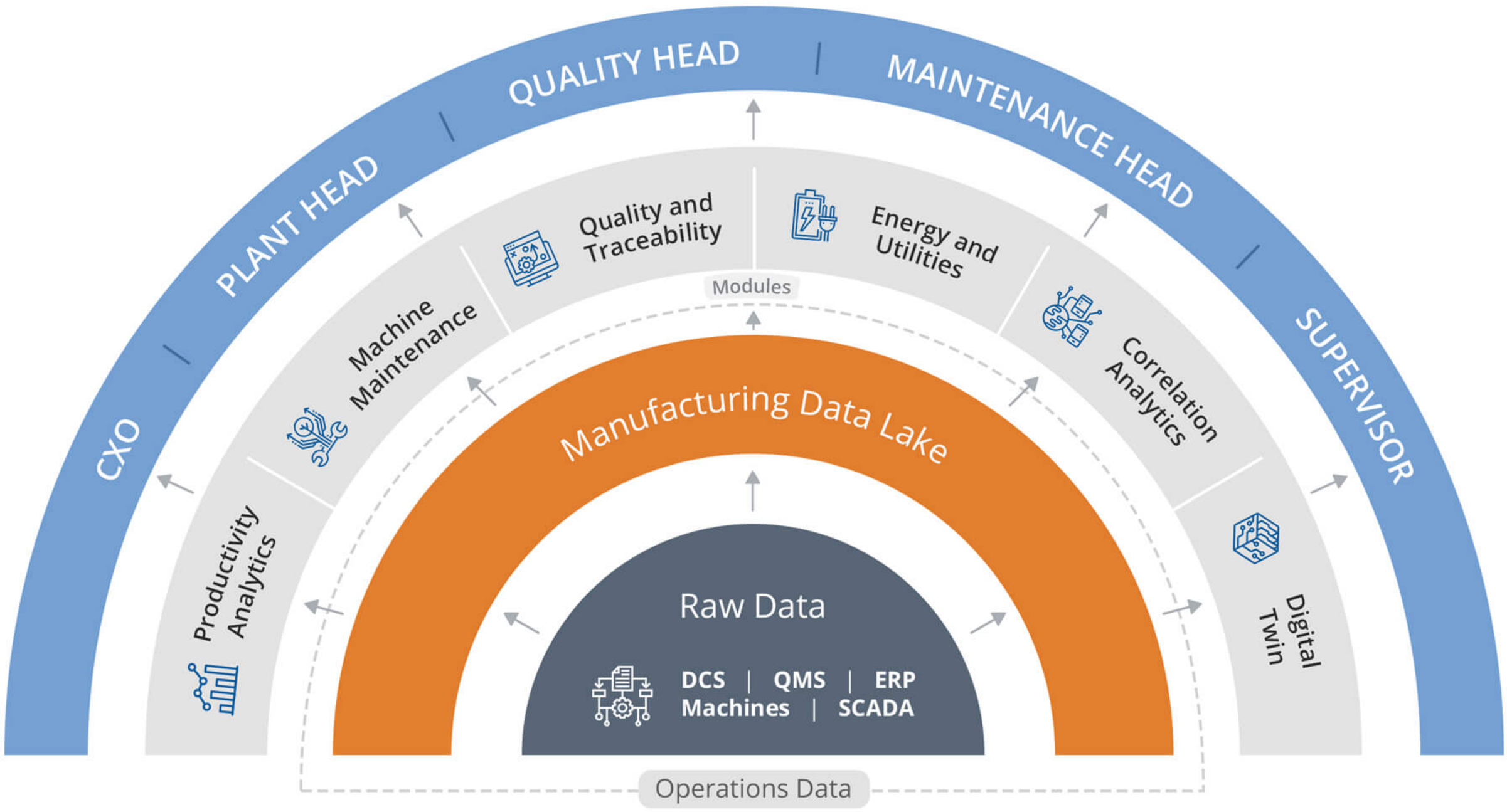
Datonis MInt:

# Datonis **MANUFACTURING INTELLIGENCE**

Datonis MInt is a platform that integrates manufacturing operations and IT data into a data lake and provides an application suite to enterprise users to draw business insights across various dimensions.




## Modules

### PRODUCTIVITY ANALYTICS

Analyze productivity metrics like OEE and drill deeper into reasons that impact productivity and define actions to significantly drive change

### MACHINE MAINTENANCE

Identify machine parameters that are critical to maintenance and build models that can predict performance degradation and breakdown

### QUALITY AND TRACEABILITY

Track real-time batch and product traceability during manufacturing to ensure compliance in the event of a product quality audit, withdrawal or recall

### ENERGY AND UTILITIES

Measure, analyze and optimize energy and utilities like power, steam and compressed air, critical to a manufacturing process

### CORRELATION ANALYTICS

Analyze and correlate information across all the dimensions of a manufacturing process to identify KPIs that that matter

### DIGITAL TWIN

Create a virtual replica of a physical product or process to identify and address problems before they even occur

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sales@altizon.com | www.altizon.com

# Deep Insights Derived by **Datonis MInt** – A Broad Overview

## PLANT HEAD

- What is the plants' performance index across productivity, quality, maintenance, energy and order fulfilment?
- What is the opportunity cost of deterioration in any of the operational KPIs?
- What is the actual conversion cost vis-à-vis budgeted cost?
- Where should we focus to improve overall performance and bring predictability in operations?

## QUALITY HEAD

- What is the overall quality performance of my process?
- Which process parameters have been deviating from specification limits?
- What are the dominant independent process variables leading to deterioration in product quality?
- What are the violations in the process from an audit perspective?

## MAINTENANCE HEAD

- What is the total unplanned downtime attributed to engineering and maintenance?
- Which are the work centers with low MTBF?
- Which machines are overdue for preventive maintenance?
- Which machines are showing early signs of deterioration in health?

## Unravel Opportunity for Measurable ROI in 4 Weeks

Improve OEE by
**15%**

Improve Process Quality by
**3%**

Reduce Energy and Consumables by
**5%**