Optimize Operations and Rack-up ROI with Advanced Actionable Analytics

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Big Data Dilemmas

85% of organizations have difficulty evaluating data quality & reliability

70% of companies describe their supply chains as very or extremely complex

Only 6% of businesses believe they have end-to-end supply chain visibility

Source: KPMG

Source: Geodis

Source: Geodis
How to Create Actionable Analytics

Make data understandable

Graphical excellence is that which gives to the viewer the greatest number of ideas in the shortest time with the least ink in the smallest space.” — EDWARD TUFTE
How to Create Actionable Analytics

Make data understandable

Ensure it is delivered in a timely manner
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Present data where it is contextual to the workflow
Shift from Advanced to Actionable

**Understandable**
Needs to be easily understood by those who will take action.

**Timely**
Data needs to be available within the timeframe of actions being taken.

**Contextual**
Information needs delivered in a way that doesn’t disrupt the normal flow of work.

**Actionable**
Make your data simple so it can be acted on and put to use to facilitate real, impactful improvements.
Scenario 1: Operational Efficiency

Chris - Operations Manager

**Goal:** Increase throughput & reduce downtime

**Understandable**
Understandable by the employees directly involved in the process surrounding the AGVs

**Timely**
More immediate focus of data – real-time view

**Contextual**
 Presents the data on mounted tablets that are viewable to employees as they work

**Actionable**
Ensures that AGVs are running on schedule, and enables employees to quickly address any issues in real time without causing additional delays to reduce downtime
Scenario 2: Prove ROI for Automation

Sara - Manager, Manufacturing Engineering

Goal: Prove out the success of her suggested solution

Understandable
Understandable to management, who is not involved in day-to-day

Timely
Long-term focused data – quarterly and annual comparisons

Contextual
Utilizes success metrics to build a proposal in the format management is used to seeing

Actionable
Sara is able to gain credibility by proving that her solution was successful by pointing to key metrics. She can then build a proposal by using this data to predict performance and make a case to extend automation across their network.
Scenario 3: Increase Adoption

Kyle - Plant Manager, Jane - Plant Employee

Goal: Ease employee fears about automation

Understandable
Showing real-time stats help the employees feel engaged & armed to work smarter. Also, capture the human elements of automation—safety & overall performance.

Timely
Display real-time data, but also compare shift-by-shift results on a daily basis.

Contextual
Employees can easily view the status at the assembly station while working.

Actionable
Proof of wins accelerates momentum. Successful adoption equates to increased productivity. Also, workers can be more productive by knowing when their materials will arrive in real time.
Scenario 4: Continuous Improvement

Jason - Director, Solutions Design

Goal: Improve 5S on distribution center floor

Understandable
Finds focus by simplifying and drilling down the data to what matters

Timely
Jason needs real-time monitoring with instant notifications

Contextual
Jason displays this information on his tablet, and sets text alerts for notifications

Actionable
Get to the root cause and act to continuously improve and achieve success
Optimize with Actionable Analytics

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