

Optimize Operations and Rack-up ROI with ~~Advanced~~ Actionable Analytics

PRESENTED BY:

Jeff Christensen

Vice President of Product at Seegrid



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MODEX 2020

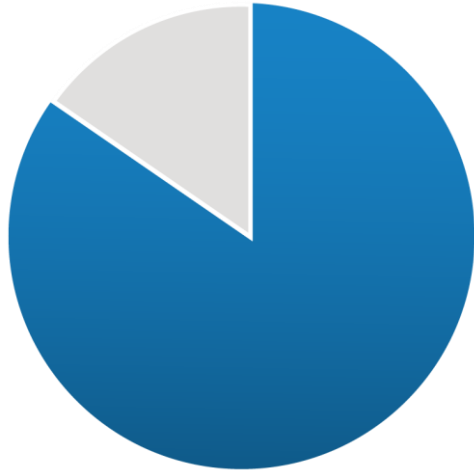
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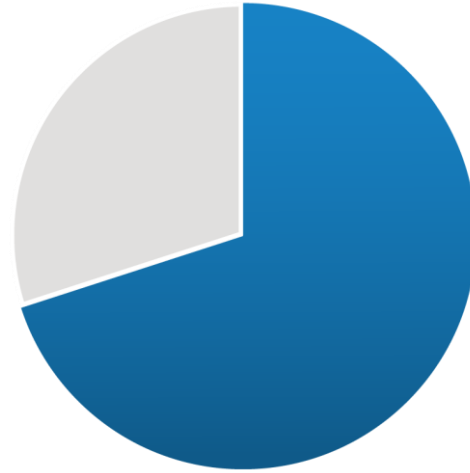
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Big Data Dilemmas



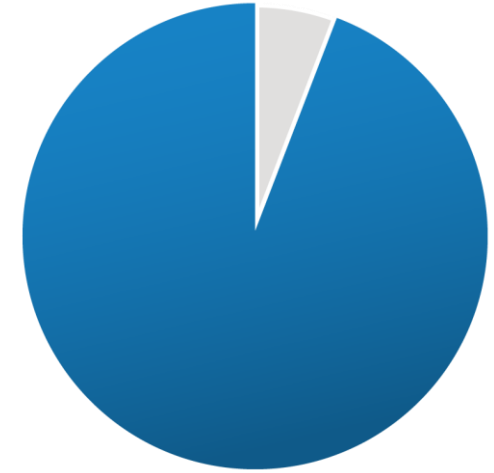
85% of organizations have difficulty evaluating data quality & reliability

Source: KPMG



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

Source: Geodis



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

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



How to Create Actionable Analytics

Make data understandable

Ensure it is delivered in a timely manner

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

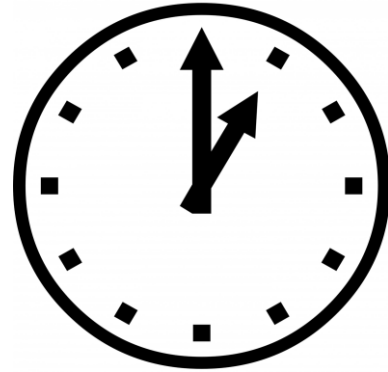
Get to the root cause and act to continuously improve and achieve success

Optimize with Actionable Analytics



UNDERSTANDABLE

Needs to be easily understood by those who will take action



TIMELY

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

For More Information:

EMAIL: jchristensen@seegrid.com

WEBSITE: www.seegrid.com

MODEX BOOTH: 10012



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