

Welcome,
thanks for
attending

- Lets have a quick introduction ; each person gets 2 sentences, get to know each other a bit
- Relax and enjoy the demo
- Summarizes the slides



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#Integrity #Service #Innovation



Introduction to Verity Online

Target audience: Solutions architects, project engineers, quality assurance, Application specialists, implementers, unit testers, software developers, integration architects, business analysts



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Boosts flex safety, customer experience, needed process improvements

- Verity Online software drives improvements for critical supply chains
- Integrated field service inspection, maintenance platform
- Measure critical KPIs – key performance indicators
- Determine what's doing good, what's bad, what's needs replacement
- Excellence in sustainability, service delivery, richer teamwork ,allows many people to participate in smooth running of complex supply chain maintenance projects
- Operational industrial risk management software platform – cloud based



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Safety Run Details

Name

FS0 Service Manufacture Process

Object ID

Owner

gsx

Start Time

2018-04-19 11:25:21

Site

2400 Mesa Plastics & Centrifuges

Control panel with icons: play, stop, add, print, mail, expand, cart, document, lock, success, error.

	Description	Measurement Result	Inspection Outcome	Date-time
1	Review process S001 Structural material source quality	✔	✔ Pass	2018-04-19 11:25:21
2	Review process S002 Structural quality after 2000 heat process	✔	✔ Pass	2018-04-19 11:25:21
3	Review process S003 Structural quality after welding process	✔	❌ Fail	2018-04-19 11:25:40
4	Review process S004 Structural quality after -2500 freeze point	✔	✔ Pass	2018-04-19 11:25:21
5	Review jointing process results	✔	⚠ Medium	2018-04-19 11:25:43

If we can measure it, we can improve it !

- Classification of product classes, and KPIs
- Ability to measure KPIs and share with the team
- Ability to setup digital safety inspection KPI mapping per class
- Ability to execute flow safety KPI inspection runs per class
- Ability to setup linked inspections for multiple items
- Ability to execute linked inspections
- Ability to model logistics, inventory, get to root cause faster
- Software for operational risk management



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Applications of Verity field inspection software

- Manufacturing
- Maintenance
- Automotive
- Oil and Energy
- Power Generation
- Transportation
- Aerospace maintenance
- Fabrication and assembly
- Installation
- Distribution
- Construction
- Electronics fabrication
- Shipping and maritime maintenance
- Wind energy quality assurance
- Operational risk management
- Telecom maintenance / repair

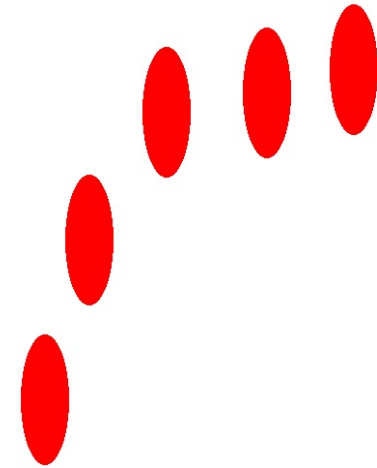


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Use cases

- Meet ISO compliance regulations for quality control
- OSHA certification mandates call for data collection for key quality processes
- Measure critical KPIs for key components of the supply chain
- Allow for team based collaboration while inspecting, maintaining core components
- Multisite, multiusers, multispecialists - allows for richer collaboration



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More use cases

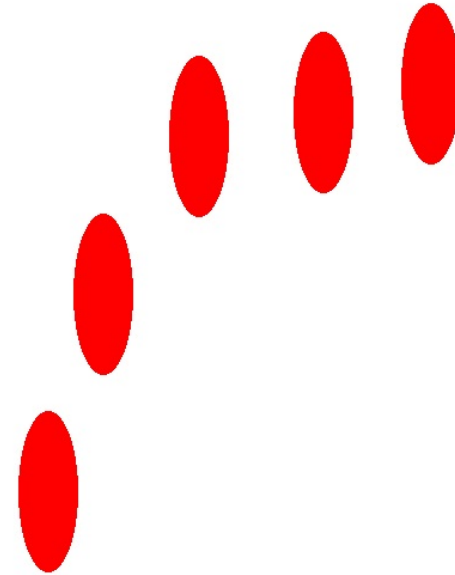
- Supply chains enable us to create and transfer value to end customers
- Efficient supply chains, can save costs and capital waste
- Risk management means reducing avoidable incidents due to proper routine maintenance, inspections
- Avoid downtime, non-productive time, accidents and operational incidents and enable better customer service

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Traditional supply chain management features

- Inventory management, track all equipment across multiple distributed sites
- Logistics management, track movement of items within your distribution centers and work sites
- Correlate items to KPI inspections, field service maintenance, generate invoices

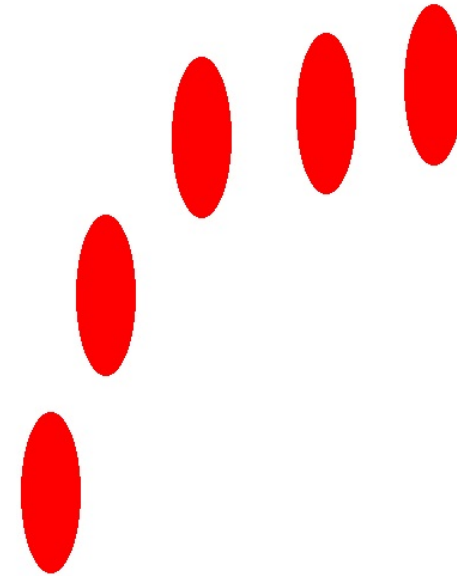


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Harness richer collaboration, teamwork

- Complex supply chains, can be difficult to manage and maintain and we recommend the adoption of digital software solutions to help manage these components reducing the chances of error, in service failure
- Boost customer experience, build confidence from DAY ONE
- Optimize inventory, logistics and maintenance to support highest levels of customer service
- Bring the experience, wisdom and expertise of the whole team to collaborate to manage issues more effectively. Enable teamwork and distributed collaboration
- “Prevention is better than cure”
- Meet ISO quality standards and OSHA compliance requirements, for better risk mitigation



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Example Improving defect rate – manufacture/installation process

- Identify the material source quality
- Measure materials source quality using scan
- Coating process, validate the quality of coating unit
- Validate and measure the sharpness of the metallic shape cutter
- Validate the quality of polished output to assure reliability
- Measure and capture the porosity and scan of source material
- First step is to identify a structural 1-1 mapping

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Example – inspecting a power generator

- Measure fuel/oil levels and quality
- Measure electric circuitry and output
- Emissions measurement for carbon
- Electrical input/output make sure switches are all working
- Vibration measurement, temperature
- Track KPI's the same concept applies to any kind of supply chain equipment, facility, or structure
- Think of engineering equipment, manufacturing processes, energy combustors, power grids, anything that has many moving parts can use the software

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Example – inspecting a heavy lift turboprop diesel turbine engine for lifting

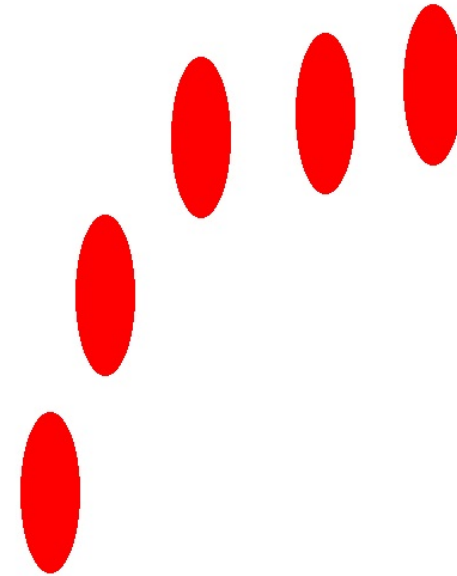
- Shock, brakes and alignment
- Cylinder PSI pressure
- Oil gauge, check the timing belt
- Emissions measurement for carbon
- Electrical input/output make sure switches are all working
- Vibration measurement, temperature
- Track KPI's the same concept applies to any kind of supply chain equipment, facility, or structure
- Variable output for energy combustors, power grids, anything that has many moving parts can use the software

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Implementation and use workflow

- First we identify the KPI's for each of the most critical components
- First we setup a digital design inspection template for each of the components, to give us a 1-1 mapping
- If it's a group of class items we can setup a linked plan design that sequentially inspects for e.g. Carburetor, carbon output, tire pressure, etc.
- Team publishes the digital class design, and teams pick up the safety design plan, and run a safety run and collect data
- Generally we pass, fail, each line item. We can have different specialists execute the plan runs for each data object, shared data promotes teamwork



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- Lets see a quick demonstration
- Run through field service safety inspection
- View site inventory
- Model logistic movements

- Any QUESTIONS?
- More about us and partner solutions at <http://www.nowellgroup.com>

“Hope does not disappoint”, Romans 5:5 – thank you for attending our briefing and please do have a great evening!