

June 30, 2020

RFID in Manufacturing 2020

SPONSORED BY





RFIDJOURNAL VIRTUAL EVENTS RFID in Manufacturing 2020

Developing an RFID Strategy for Manufacturing

Mark Roberti Founder and Editor RFID Journal

Infrastructure vs Point Solution

- A point solution solves one problem:
 - Controls access to restricted area, speeds up payment, automates a specific task
- Infrastructure can be used for many applications
 - Think of cell networks (calls, texting, web surfing, etc.)

Think infrastructure

- Each company's goal should be to build an RFID infrastructure that:
 - Enables collection of data on everything mobile within the enterprise (tools, people, containers, etc.)
 - Supports multiple applications and integrates into multiple backend systems
 - Enhances the company's overall goals (such as to be the low-cost provider)
 - Is able to scale and adapt to changing needs

Create a cross functional team

- All stakeholders must be involved to ensure that the RFID infrastructure meets their needs, including
 - Manufacturing
 - Operations
 - Engineering
 - Supply chain
 - Sales and marketing
 - After sales support

Educate stake holders

- Providing an understanding of the following will help committee members make better decisions:
 - What are others in our industries doing with RFID?
 - What other industries are employing RFID in similar ways and what benefits are they getting?
 - What types of RFID are available and how do they match up with our requirements.

Map out common processes

- What are the processes in our manufacturing facility from receipt of materials to shipping of product?
- Ask stakeholders to identify problem areas
- Consider whether RFID can help solve those problems or whether other technology is needed or would be more effective or cheaper

Draw up a list of key requirements

- What data needs to be collected and where
- Who needs to have access to the data?
- What alerts need to be sent and to whom?
- How much, if any, customization of backend systems is needed?
- Are additional applications needed?

Focus on the data

- Does your company have master data files?
- Does product data need to be cleaned?
- Get all departments to on a single identifier, regardless of the specific provider's part number
- Consider rationalizing procurement

Choose the right technology

- Select the RFID, bar code or GPS technology that will meet the vast majority of your requirements.
- You will likely need one active system and one passive system
- For global tracking, RFID systems will need to integrate into GPS tracking systems

Split the cross-functional team into working groups

- Each group should focus on 1 of the following:
- IT issues
- Prioritizing pilots/deployments
- Vendor selection (primary and secondary)
- Creating a global RFID policy
- Managing change (including training)
- Tech support

How to prioritize projects

- Create criteria for prioritizing, including
- Relative ease of the project
- Potential return on investment
- Importance of project to company's primary goals
- Regulatory compliance
- Safety and environmental issues

Begin the rollout in one location

- Make sure the technology works
- Get the integration piece right
- Get the business process change right
- Quantify the benefits
- Document the deployment
- Roll out the application to additional sites
- Repeat until the infrastructure is complete

Questions?

- Mark Roberti
- Founder and Editor RFID Journal
- Mark.Roberti@rfidjoural.com

JOURNAL VE RETAI Retail

he intersection of e-commerce, store design and innovation.

McCormick Place, Chicago June 25-28, 2019 SAVETHE DATE!

Save 15% when you use code RBPN. To register: retailx.com



SAVE THE DATE! 13 NOV. 2019 TRAINING ON 12 NOV.

Save 15% when you use code LEBK to register: rfidjournaleurope.com