



Asset Tracking in the Digital Age



Asset Tracking in the Digital Age

Mike Piazza



Tom Bamford



**This session is eligible for
1 Contact Hour.**

For these hours to appear on your certificate, you must:

- Have your badge scanned at the door
- Attend 90% of this presentation
- Fill out the online evaluation for this session: www.necanet.org/neca2018

Introductions

Mike Piazza

Hi-Line Utility Supply Co.

Tom Bamford

Vice President, Co-Founder
InfoChip

3

NECA 2018
TECHNICAL WORKSHOP 

Asset Management Today

Specifically....

What is it?

✓ *Identification*

Where is it?

✓ *Inventory control*

Is it safe to use?

✓ *Safety compliance*



4

NECA 2018
TECHNICAL WORKSHOP 

Asset Management Tomorrow

When do my assets “expire”?
What’s the total cost of ownership?
What’s the best make & model?

5

NECA 2018
TECHNICAL WORKSHOP 

Digital Transformation

Paper & Spreadsheets



Serial Numbers, Tags & Markers



Scheduling & Replacement



Data Entry



Mobile Apps & Cloud Database



RFID & Barcode



Automated Email Alerts



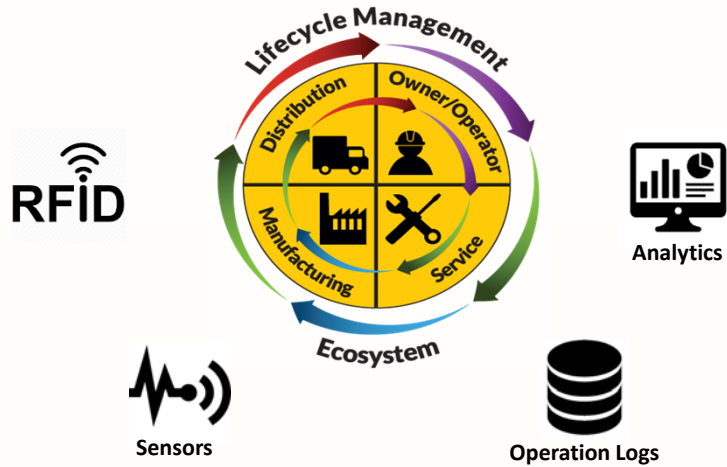
Factory & Supplier Ecosystem



6

NECA 2018
TECHNICAL WORKSHOP 

Industrial Internet of Things (IIoT)



IIoT requires multiple inputs and an ecosystem to initiate & manage data

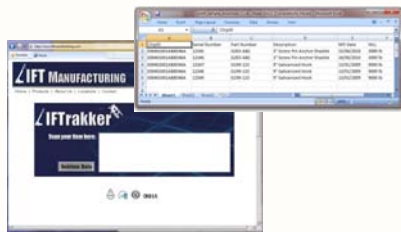
7

NECA 2018
TECHNICAL WORKSHOP

Manufacturer



- ✓ Asset profile & documentation upload
- ✓ Production data integration
- ✓ Add RFID, barcode and/or serial number
- ✓ Open portal & smartphone apps



8

NECA 2018
TECHNICAL WORKSHOP

Distributor / Service Co



- ✓ Utilize MFR uploaded profile
- ✓ Parent/child assembly
- ✓ Leverage industry prefill content
- ✓ Attach additional test safety documentation
- ✓ Assign to customer
- ✓ Schedule notifications

- ✓ Inspect & Test
- ✓ Repair
- ✓ Upload report and alerts



9

NECA 2018
TECHNICAL WORKSHOP 

Owner



- ✓ View asset status & history
- ✓ Edit location & availability
- ✓ Respond to upcoming schedule & alerts
- ✓ Reorder
- ✓ Predictive maintenance
- ✓ Performance analytics

10

NECA 2018
TECHNICAL WORKSHOP 

Identification



RFID Explained



RFID Types

Passive UHF

Active – battery powered, big, gate readers

Geosense – costly, large size

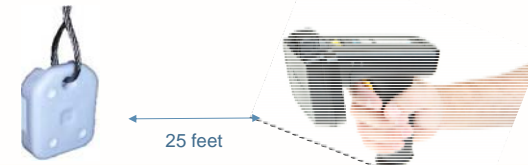


Range

UHF Short Range
Tools – 2 inches



UHF Long Range
Larger chip with gun reader: 25 feet



Yard Management



Field Survey
Parent/Child



Open Standards

SALISBURY
by Honeywell

HILTI
ON!Track

Milwaukee
ONE KEY

DBI
SALA

iSAFE
INTELLIGENT SAFETY SYSTEM

15

NECA 2018
TECHNICAL WORKSHOP 

Attachment Options



Patch



Disc



Cloth



Plug



Band



16

NECA 2018
TECHNICAL WORKSHOP 

Attachment Options



MultiMount



17

NECA 2018
TECHNICAL WORKSHOP 

Quick Wins

- ✓ Tool Tracking – Loss Prevention & Warranty Mgt.
- ✓ FR Clothing – Lifespan Analysis
- ✓ Power Tools – Total Cost of Repairs
- ✓ Rigging – Certificate Management
- ✓ Gloves & Sleeves – Improved Identification
- ✓ Transformers – Inventory Yard Mgt. / Site Checks

18

NECA 2018
TECHNICAL WORKSHOP 

Software Demo

Mobile & Web Apps

1. Asset Identification
2. Inspection
3. Inventory
4. Reorder

19

NECA 2018
TECHNICAL WORKSHOP 

Questions?

For more Information:
Visit us in WESCO Booth #1811

20

NECA 2018
TECHNICAL WORKSHOP 