

Internet of Things Real World Applications

September 2017

John Schulz – AT&T, Director of Sustainability

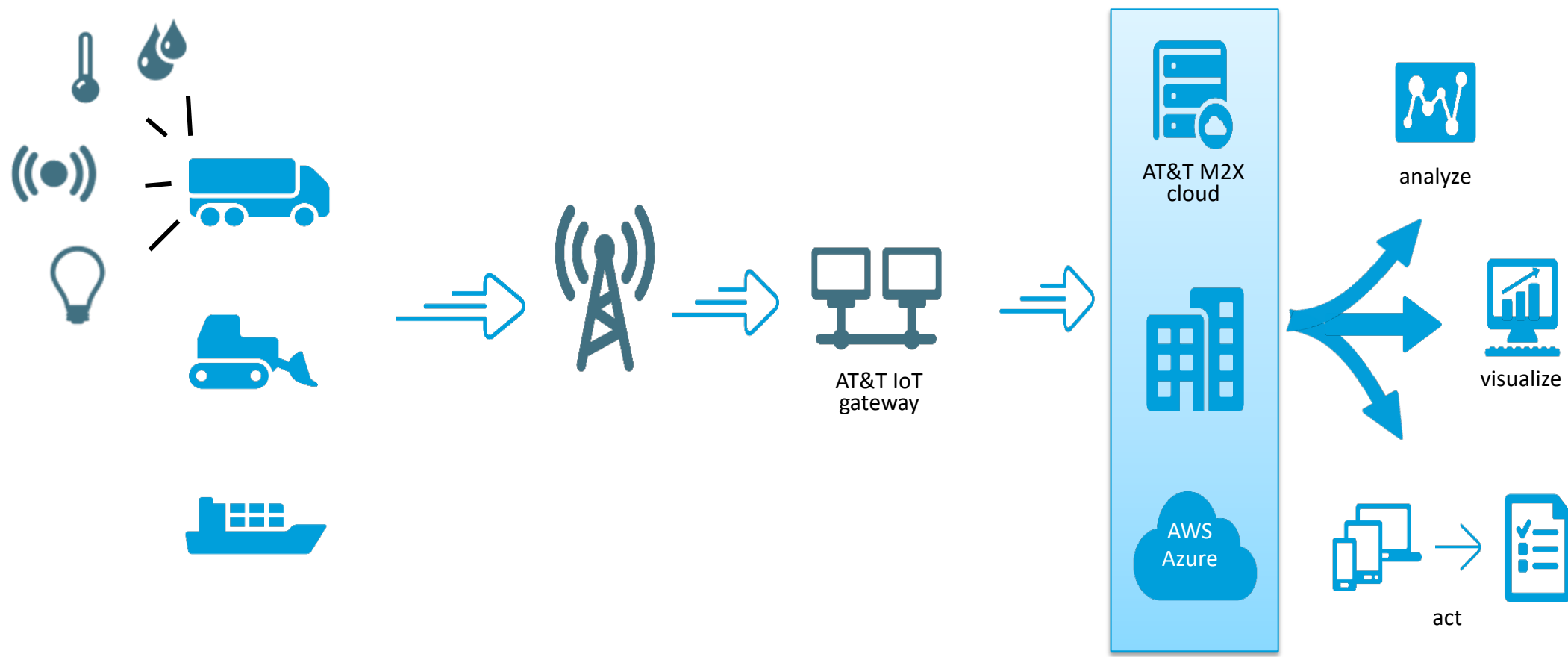
David Kalan – RM2, SVP of Marketing and Business Development

Cindy Goodman – AT&T, IoT Business Development

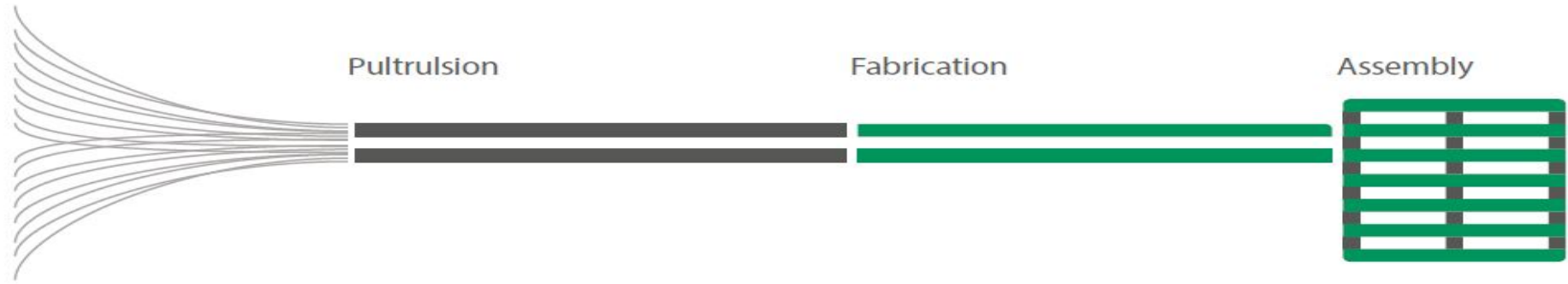
Tim Greiner – Pure Strategies, Co-Founder and Managing Director










How Does IoT Work?



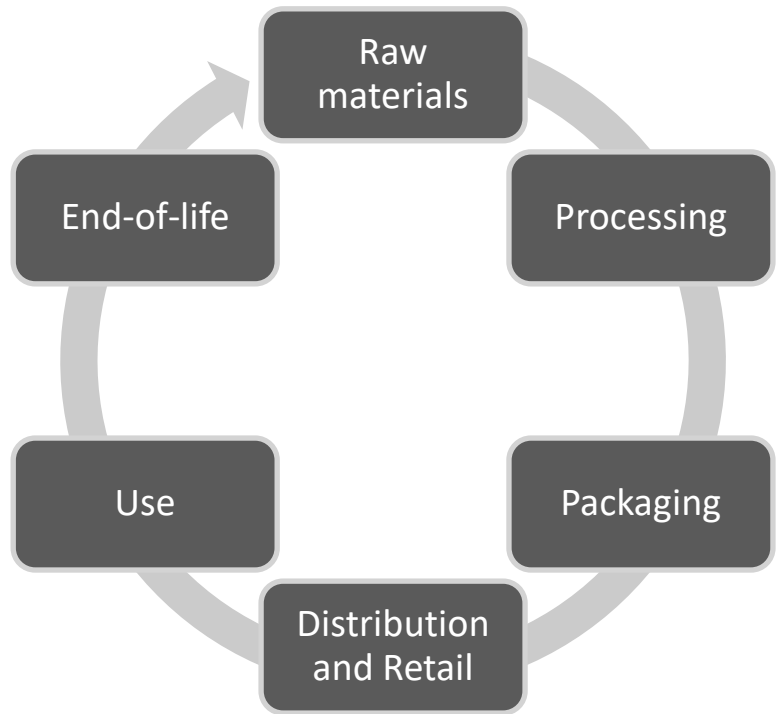
Sustainability at the Core



-  Eliminate Wood Related Issues
-  Increase Operational Efficiencies
-  Decrease Food Safety Issues
-  Heat Treated Pallet
-  Reusable Platform
-  Supply Chain Visibility
-  ROI

Life Cycle Assessment (LCA)

drives product innovation and business value



Lifecycle Assessment Inputs



Four Key Levers


- 1. Make it lightweight
- 2. Make it reusable
- 3. Make it durable
- 4. Make it traceable

The Result – RM2 incorporated Pure Strategies’ findings into the re-designed and more sustainable BLOCKPal pallet system

IoT for Good: Making a Difference with RM2



Replacing 1M one way wooden pallet trips/year is equivalent to reducing:



Sustainable

A green circular icon containing a stylized green arrow pointing upwards with a small plant sprout inside the arrow. Below the icon, the word "Sustainable" is written in a simple, black, sans-serif font.

640 metric tons of CO2e



72,000 less gallons of gas



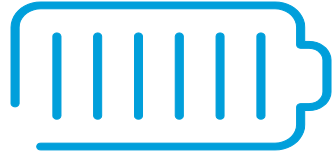
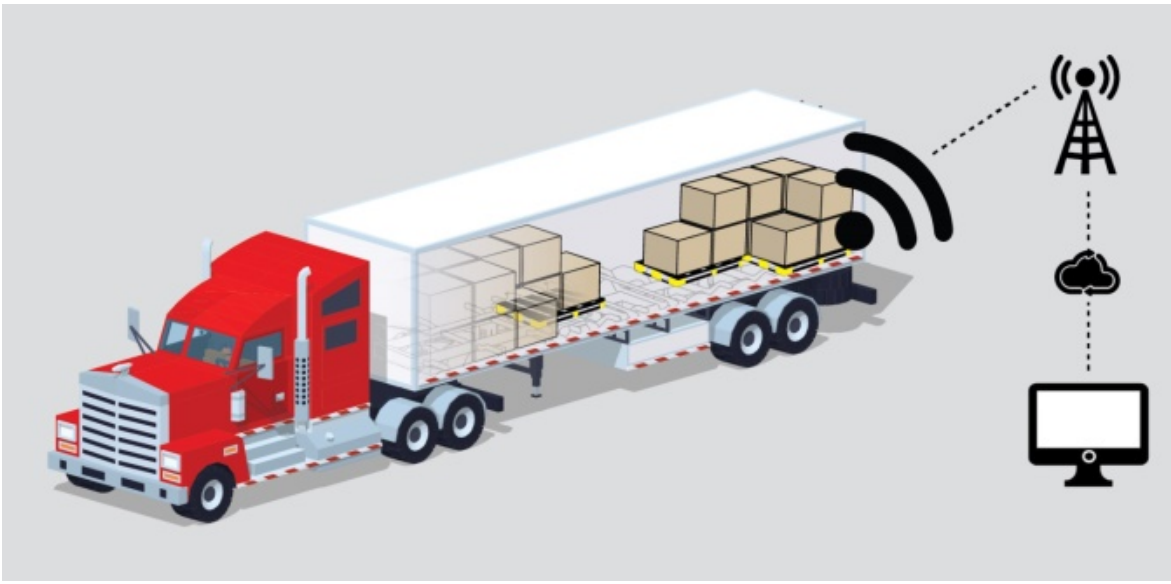
135 cars off the road



22,600 incandescent bulbs

RM2 and AT&T Working Together to Move it Better

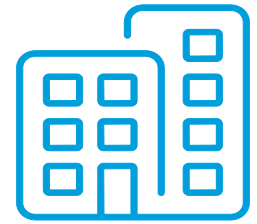
Low Power, Wide-Area (LPWA) networks are wireless networks optimized for machine communication and IoT. They are characterized by lower cost hardware, long battery life, and wide coverage area.



Extended Battery Life

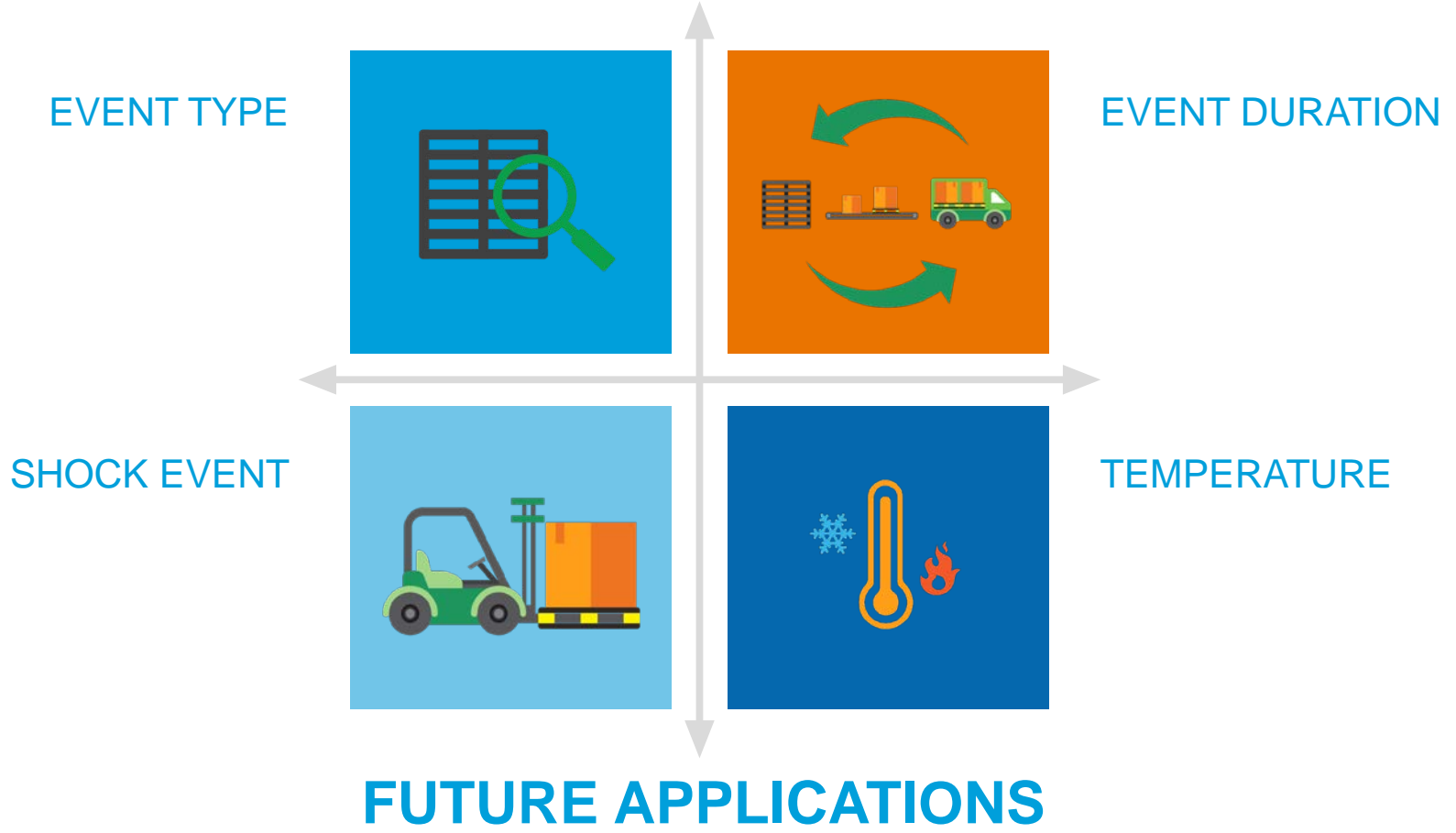


Low Cost



Enhanced Coverage
(in-building & subterranean)

RM2ELIoT



RM2 and AT&T Working Together to Move it Better

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Components of an IoT Solution

