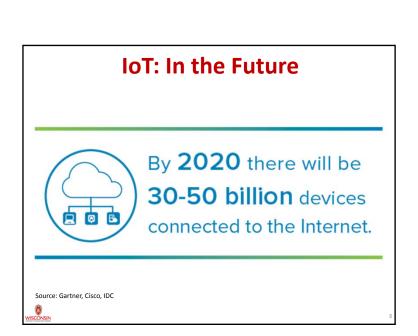
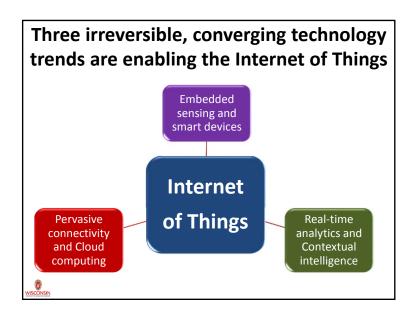
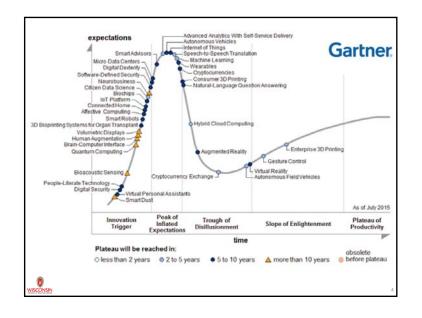
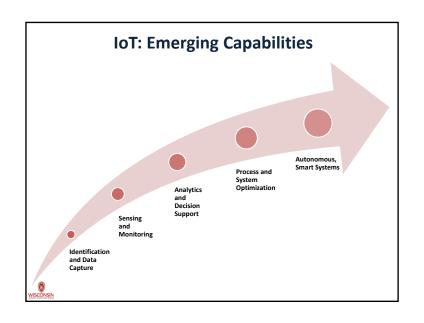
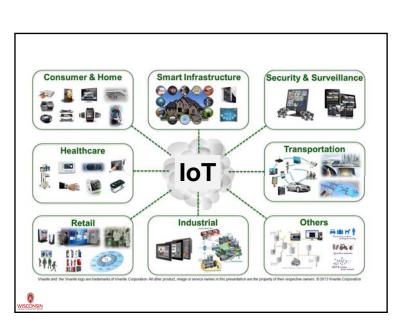
How the Internet of Things will change our world Dr. Raj Veeramani

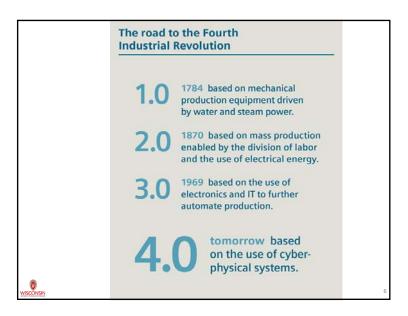


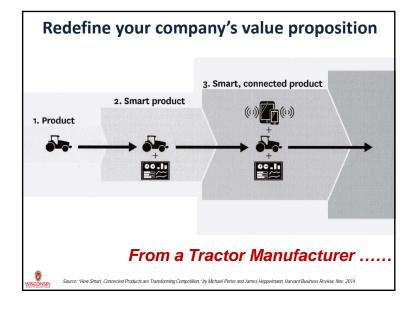


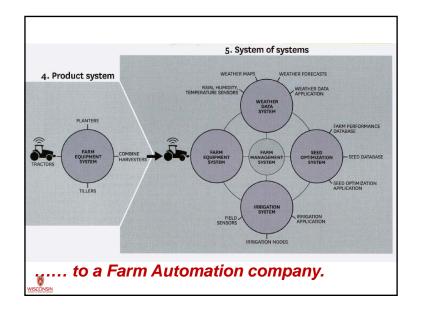


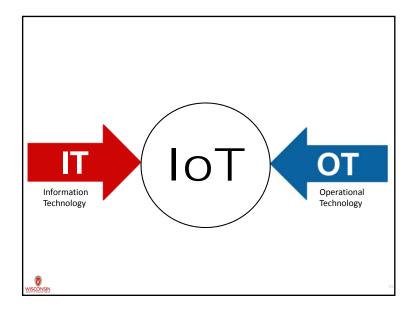












IoT value is fundamentally centered around data-driven insights



Information as asset -

Moving from product manufacturer to information-based service provider



"Every industrial company in the coming age is also going to have to be a software and analytics company"

Jeff Immelt

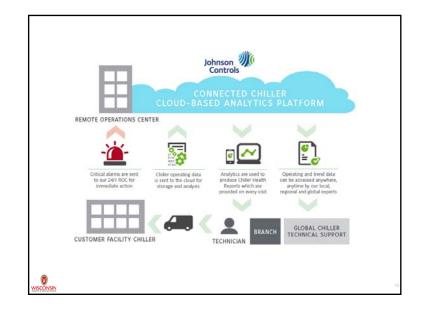


WISCONSI

"Killer App" for IoT

Remote monitoring & predictive maintenance

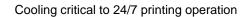




Arandell Corporation Menomonee Falls

high-end, premier catalog printer







Smart Connected Chiller Services ensure uptime





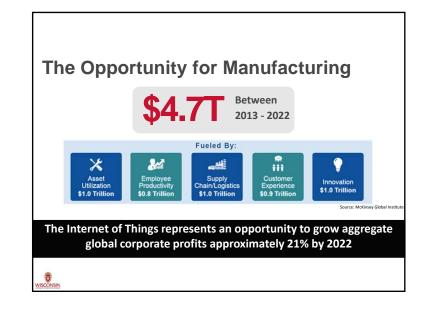












An era of IoT-enabled Digital Disruption

(D)

Ford is an auto manufacturer.

Ford is in the mobility business!

Changing competitive landscape in the auto industry





WISCONS

Ford Smart Mobility is about people.

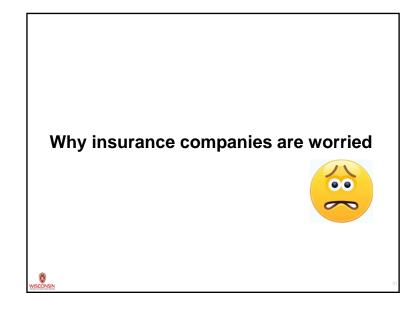
It's about helping people stay connected to their lives.

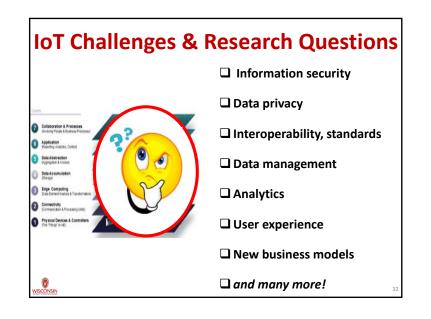
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The UW IoT Lab's Mission

A hub for university-industry partnership for research, innovation & collaborative learning to discover, advance and attain the promise of IoT.



Application Context

Organizations Interested in Creating IoT-enabled Products & Services

Holistic, Non-Commercial, Experiential, Collaborative Learning & Innovation Environment

Multi-disciplinary Team of Faculty/Students

Comprehensive Knowledge & Research on Next Generation Systems

Commercial Technologies and Practical Experience

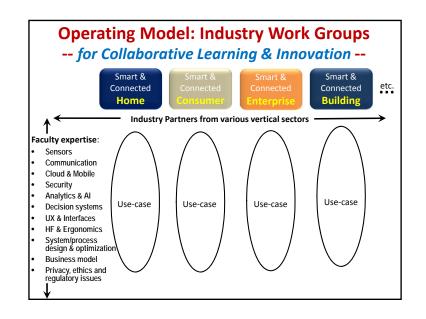
UW IoT Lab Objectives

Three primary objectives

- 1. Foster IoT-based breakthrough research and entrepreneurship by faculty/students
- 2. Provide students experiential learning and interdisciplinary exploration and innovation opportunities with IoT technologies
- 3. Provide a collaborative forum for IoT knowledge and innovation transfer to industry

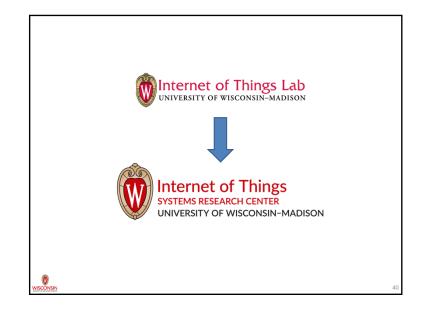


Campus-Wide Involvement Industrial & Electrical & Systems Computer Engineering Medicine Biomedical Pharmacy Engineering IoT Lab Civil and Consumer Science & Environmental Retailing Engineering Operations 8 Statistics





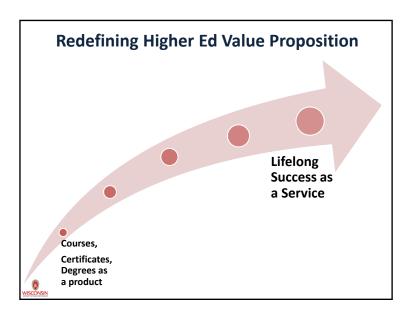






Over 25,000 sq. ft., run by 10 professional full-time staff members and ~50 student workers





Group Discussion

What are your key takeaways from this morning's session?

(e.g., How can we best provide students with transdisciplinary design and innovation experiences?

How can we best prepare students to build the smart and connected future?)



Internet of Things
SYSTEMS RESEARCH CENTER

UNIVERSITY OF WISCONSIN-MADISON

For more information:

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