



Transforming to the Next Industrial Revolution to Support the Information Society

The Internet of things (IoT) is the inter-networking of physical devices, vehicles (also referred to as "connected devices" and "smart devices"), buildings, and other items—embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. In 2013 the Global Standards Initiative on Internet of Things (IoT-GSI) defined the IoT as "the infrastructure of the information society."

The IoT allows objects to be sensed or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit in addition to reduced human intervention. (Wikipedia)

The Internet of Things (IoT) holds great promise for future wealth creation opportunities for business. However, like all technologies, it must address real problems. It cannot be just another technology looking for a home. The IoT conversation workshop is designed to address this reality and will explain:

1. What is IoT?
2. The kind of business scenarios has IoT been effective in bringing business value
3. How do you identify opportunities for this new technology?
4. How do you implement IoT?

During the workshop, William Dupley, Digital Strategist for FoxNet will explore case studies of manufacturers who have successfully implemented IoT solutions and explain the process to identify and implement IoT solutions in your firm. William will describe IoT use cases in the following 12 areas:

1. Predictive maintenance lowers maintenance costs using Edge & Cloud advanced analytics
2. Remote monitoring and diagnostics, process optimization, and elimination of waste using Digital Twin Technology
3. Improve productivity of employees, faster repair using augmented reality and Smart P&ID wireless documentation
4. Improve collaboration between the support staff and machines in the factory using Cobots
5. Create a more secure production and supply chain environment using logistic telemetric data
6. Improve asset tracking using Bluetooth beacons
7. Scene recognition and production heat map using scene recognition technology
8. Improved inventory management using RFID and smart shelving
9. Smart buildings using energy management systems
10. Automating manual processes and quality improvement using process monitoring and advanced analytics
11. Early warning systems for employee and community safety using remote sensors, analytics and drones
12. Internal GPS guidance system to enable rapid response using internal location based services

William will also facilitate a discussion with attendees to identify potential IoT Pilots projects to help an enterprise begin their IoT journey. He will consolidate these pilot projects into a written report and will work with you to identify your first IoT pilot project.

Join us for this for this one day conversation on how IoT can transform your company to the next Industrial Revolution.