

Why is the Internet of Things Growing so Fast?

By the year 2000 we generated

2 Exabytes of Data.

Now, we create 2 Exabytes of Data

Every day.

By **2009**

connected devices out-numbered the human population

The gap will widen exponentially as more sensors, objects, and other "things" are connected

and by 2020

will exceed **50 billion**

To succeed, businesses must rapidly increase their adoption of

digital infrastructure

Digital speeds must be

5x faster

than those of electricity and telephony

Adding physical objects to

IP networks

imposes new requirements on existing networking models

The Internet of Things (IoT) Helps Us Analyze the Exponential Increase in Data Use



Companies can make better decisions – faster

Tire Manufacturer



Increased Efficiency, Productivity and Profitability with IoT

Tire production across **11** global facilities and **1000 SKU's** used to require significant manual search time for assembly line inventory and missing components. But with IoT innovation, the company now uses **Wi-Fi RFID** tags to locate inventory by **ID or Tread Number**, and they receive low inventory alerts by ID or Tread Number. Benefits include:

20% reduction of breaker components tire loss

21% increase in tire production

Ability to re-coup investments in less than **6 months**

Utilities Provider



Reduces Theft, Increases Productivity and Improves Customer Service with IoT

The provider replaced **1.8 million** electromagnetic meters across seven provinces in Canada with Smart Meters. It also rolled out a fully compliant **IPv6** solution so the Smart Meters can be updated and monitored on a **24-hour** basis. Benefits include:

Reduction of Theft: Energy Theft Reduced by **75%**

Increase Productivity: Reduced cost of meter reading by **330 million**

Improved Efficiency: Smart Meters made it easier for customers to 'self-serve', saving the company **224 million**

Expand your Capabilities with Cisco IoT