

INTERNET of THINGS

The Internet of Things perfect storm is currently under way. The forces of cloud, social media, connected endpoints, wireless technology and big data analytics are all coming together to create a single, transformative force that's bigger than anything in the history of business. Investing in IoT must be at the top of every IT and business leader's priority list today because it will evolve at an incredible rate in the next decade.

IoT will transform every person's life

in almost every aspect—

from finding
a place to park,



to having a customized shopping experience,

to managing the environmental controls in a building.



Security is Mandatory

Users must have the highest level of trust and confidence that their personal information will not be compromised. Individual devices must be secure and their access to other network components must be limited based on role and utility.



DRIVERS OF IoT

- ▶ Low Cost Sensors
- ▶ Standardization on IP
- ▶ Growth of Big Data
- ▶ Rise of Social Media and Cloud Computing
- ▶ Pervasiveness of Wireless Technologies

VERTICAL INDUSTRY APPLICATIONS



Public Sector

Smart cities from connected infrastructure.

Better security, reduced traffic congestions, cost savings from connected lighting.



Automotive

Real-time analysis of driving behavior, remote vehicle

diagnostics. New customer services, proactive notification of maintenance, reduced pollution.



Retail

Connected inventory, greater knowledge of customers.

Personalized and predictive services, optimized inventory management, social innovation.



Manufacturing

Smart sensors and digital control systems. Faster

response to fluctuations in demand, maximized efficiency.



Oil and Gas

Connected infrastructure. Reduction in operating costs,

proactive maintenance, lower fuel consumption.



Healthcare

Remote monitoring of patient equipment, presence

status and inventory management. Faster and more accurate patient care, cost savings, improved clinician productivity, lower insurance costs.



Facilities Management

Connected buildings, smart lighting, fire and cooling systems.

Reduced carbon footprint, significant cost savings from optimized resource utilization, preventive maintenance.



Supply Chain

Real-time tracking for inventory. Proactive problem

resolution, operational efficiency.



Utilities

Connected meters, smart grids Automated meter

reading, significant cost savings, lower cost services.