

Excellence. NO EXCUSES!

Excerpt:

IoT/IOE:

**The Internet of THINGS
The Internet of EVERYTHING**

**Tom Peters
25 June 2014**

**\$82,
000,
000,
000,
000**

This

(IoT/IoE++++)

Changes

Everything!!!!???

IoT/IoE/M2M/Etc.

**The Internet of Things
The Internet of Everything
Machine-to-Machine
Ubiquitous computing
Embedded computing
Pervasive computing
Industrial Internet
Etc.***

***“More Than 50 BILLION**

Connected Devices [by 2020]”—Ericsson**

**“By 2025 it could be applicable to \$82 TRILLION
of output or approximately one half the global
economy”**—GE (**The WAGs to end all WAGs)**

“Internet of Everything”: *“The idea of the IoE [Internet of Everything/Cisco Systems/Estimated market size, next decade: **\$14.4 TRILLION**] is a networked connection of people, processes, data, and ‘things,’ which is being facilitated by technology transitions such as increased mobility, cloud computing, and the importance of big data.”*

Source: “The Big Switch,” *Capital Insights*

SENSOR PILLS: “... Proteus Digital Health is one of several pioneers in sensor-based health technology. **They make a silicon chip the size of a grain of sand that is embedded into a safely digested pill that is swallowed. When the chip mixes with stomach acids, the processor is powered by the body’s electricity and transmits data to a patch worn on the skin. That patch, in turn, transmits data via Bluetooth to a mobile app, which then transmits the data to a central database where a health technician can verify if a patient has taken her or his medications.**

“This is a bigger deal than it may seem. In 2012, it was estimated that people not taking their prescribed medications cost \$258 BILLION in emergency room visits, hospitalization, and doctor visits. An average of 130,000 Americans die each year because they don’t follow their prescription regimens closely enough.” [The FDA approved placebo testing in April 2012; sensor pills are ticketed to come to market in 2015 or 2016.]

Source: Robert Scoble and Shel Israel, *Age of Context: Mobile, Sensors, Data, and the Future of Privacy*

“Ford is working with the healthcare industry on a solution that would notify a nearby hospital if you were having a heart attack in your car, which can send an ambulance before you even know you’re having one.”

—Daniel Kellmerit & Daniel Obodovski,
The Silent Intelligence: The Internet of Things

\$100,000,000 per MILLISECOND:

“Spivey was all over him about the slightest detours. For instance, every so often the right-of-way crossed over from one side of the road to the other, and the line needed to cross the road within its boundaries. These constant road crossings irritated Spivey—Williams was making sharp right and left turns. ‘Steve, you’re costing me a hundred nanoseconds,’ he’d say. ‘Can you at least cross it diagonally?’”*—Michael Lewis, *Flash Boys*

*Dan Spivey/Spread Network/\$300M/3 milliseconds (15-12)/Chicago-NJ (Lewis’ book is about high-speed trading. The advantage of a few milliseconds is worth billions. Spread Network went across rivers and through mountains to create a straight fiber-optic “pipe” FROM Chicago to New Jersey. The goal: Reduce trade speed from 15 milliseconds to 12 milliseconds; the price tag for the 3 millisecond reduction was \$300 million. **WELCOME TO THE NEW WORLD ORDER.**)

IoT/IoE

Internet of Things/Internet of Everything

A few books of note ...

Age of Context: Mobile, Sensors, Data, and the Future of Privacy, Robert Scoble and Shel Israel

The Silent Language: The Internet of Things, Daniel Kellmerit and Daniel Obodovski

The Zero Marginal Cost Society: The Internet of Things, the Collaborative Commons, and the Eclipse of Capitalism, Jeremy Rifkin

The Everything Store: Jeff Bezos and the Age of Amazon, Brad Stone

The New Age of Consumer Wearables: Smart Cameras, Smart Glasses, Smart Gaming, Smart Clothing, Smart Watches, Peng K Toh

Textile Messages: Dispatches from the World of Textiles and Education, Leah Buechley, et al.