



TRANSFORMING THE FUTURE OF **EMBEDDED**

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The Embedded Internet BY 2015

Invisible



15B Devices

Ubiquitous

Many

Researchers



Mainframes



Servers, PC's



Cell Phones

Embedded

Internet 7X 24 Every Modality of Life















CORNERSTONES OF INNOVATION EMBEDDED DEVICES

Energy Efficiency



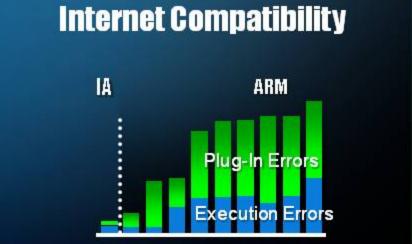


Manageability & Security



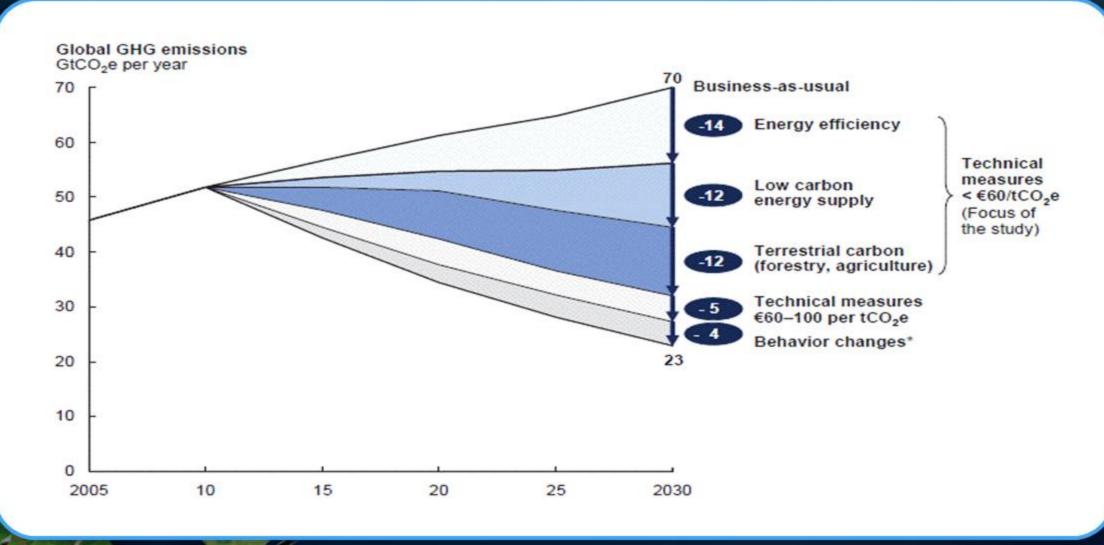
Performance





ENERGY EFFICIENCY

REMAINS #1 CARBON ABATEMENT OPPORTUNITY



IA DELIVERING GREENER FOOTPRINTS

Retail



Medium Sized U.S. Retailer

Uses ~50K POS Terminals ≈ 4-5 Days of output from the Hoover Dam

Communications

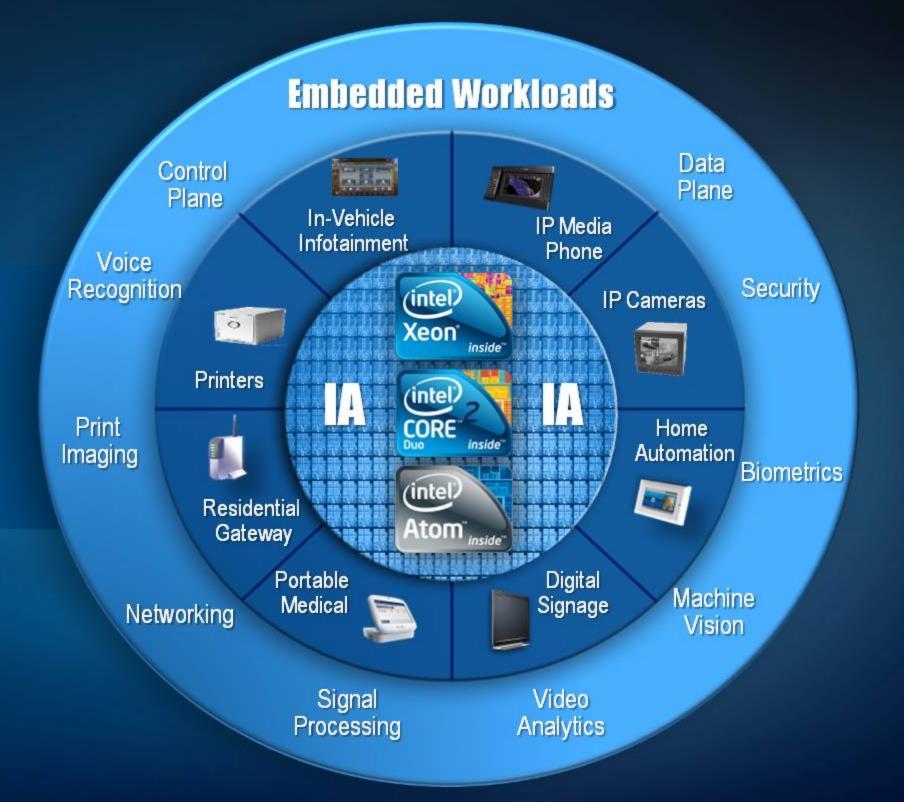


EU Broadband Network

Uses 50TWh of Electricity/Year ≈ Switzerland's Electricity/Year

Imagine reducing electricity usage by up to 75%

PERFORMANCE
WORKLOADS IN EMBEDDED
INCREASINGLY DIVERSE



IA PERFORMANCE DELIVERING NEW CAPABILITIES



MOVADO



Imagine Increasing Advertising Effectiveness Real Time



MANAGEABILITY & SECURITY OPEX MORE IMPORTANT THAN EVER

\$1,000

The typical truck roll cost for Digital Signage in Retail

>2 per year

The number of service calls per POS per store in the U.S.

\$2.3B

Spent by retailers recovering from security breaches

32%

of Retail security breaches were POS related

BEYOND COMPUTE... IA MANAGEABILITY AND SECURITY



Security



Intel[™] Active Management Technology

Intel™ Trusted Execution Technology Intel™ Virtualization Technology

Today









BEYOND COMPUTE... IA MANAGEABILITY AND SECURITY

Manageability



Intel[™] Active Management Technology



WINCOR

NIXDORF





Wendy's Restaurants



INTERNET COMPATIBILITY

NY Times*









MTV*

Yahoo!*









Hulu*

Mozilla*









Anywhere.FM*

EXTENDING IA'S INTERNET ECOSYTEM TO EMBEDDED

LA Worldwide

- 15-16M Software Developers
- 3rd Largest Software
 Developer Network
- 2nd Largest Linux
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Gloria Open Infotainment Architecture









Summary

Embedded Computing Fueling the 4th stage of the Internet

Intel Leadership in 4 Cornerstones
Performance, Power, Manageability/Security, Internet Compatibility

Unprecedented Opportunity for IA to Transform Embedded
Xeon™ to Atom™



Intel Mid-Summer Technology Summit

July 29, 2009