

The World Ahead...

Accelerating Access for All

Frank Martinez

Director

Digital Inclusion & Government PC Programs

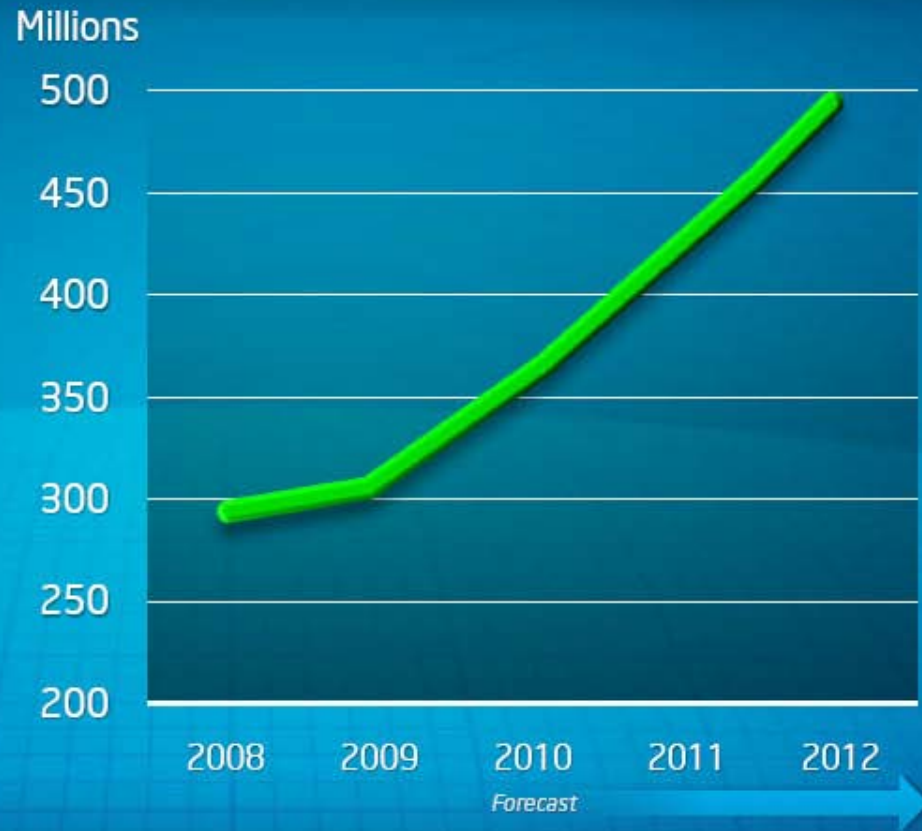
Intel World Ahead Program

23.November.10



PCs
**GROWING
RAPIDLY**

2010
1M
PCS /DAY



Source: Gartner
Global PC Forecast and Shipments Quarterly Statistics: Database, 7 September 2010





The exponential trend continued.

Cramming more components onto integrated circuits

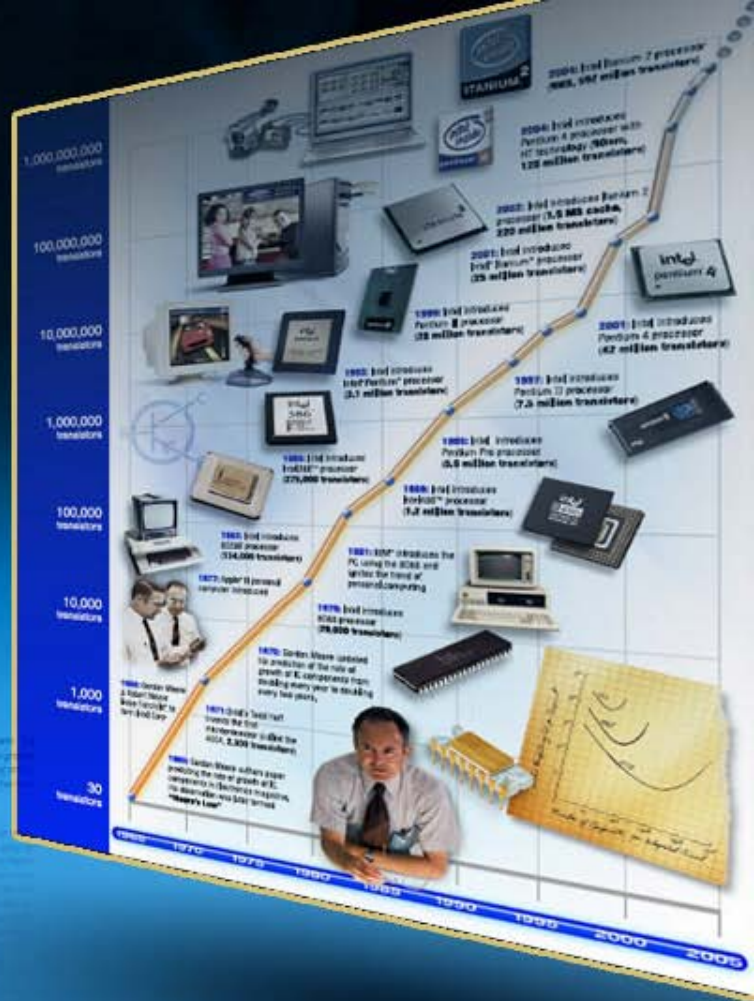
With an 8008 falling as the number of components per circuit rises, by 1975 a technology may double representing as many as 80,000 components on a single silicon chip.

By Gordon E. Moore

General Research and Development, Semiconductor Division of Fairchild Camera and Instrument Corp.

The exponential growth of the number of transistors on a silicon chip is a key factor in the development of integrated circuits. It is the result of the continuous improvement in the technology of manufacturing silicon chips.

Modern integrated circuit technology has enabled the construction of complex systems that were previously impossible. The number of components on a single chip has increased from a few dozen in 1958 to over 100,000 in 1975. This growth has been the result of the continuous improvement in the technology of manufacturing silicon chips.



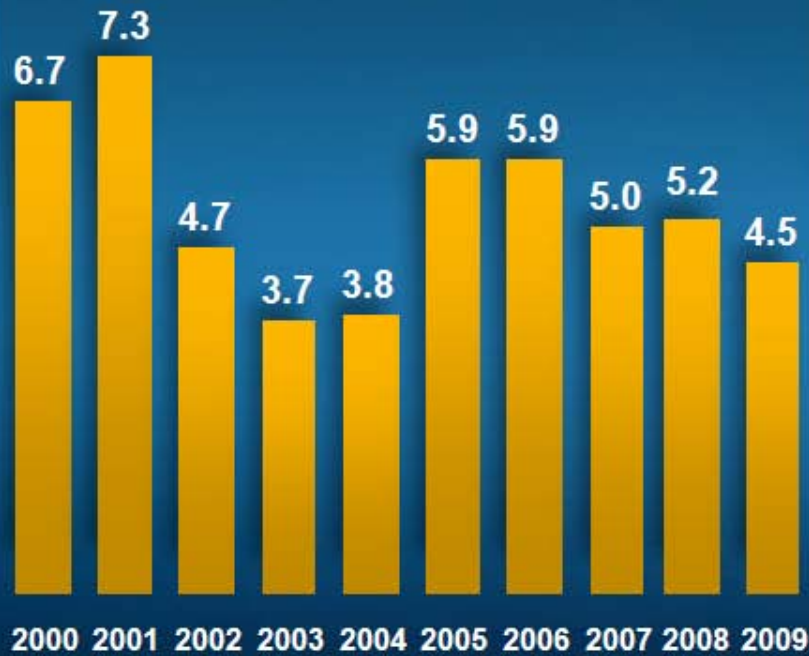
“The number of transistors incorporated in a chip will approximately double every 24 months.”

Gordon Moore
Intel Co-founder

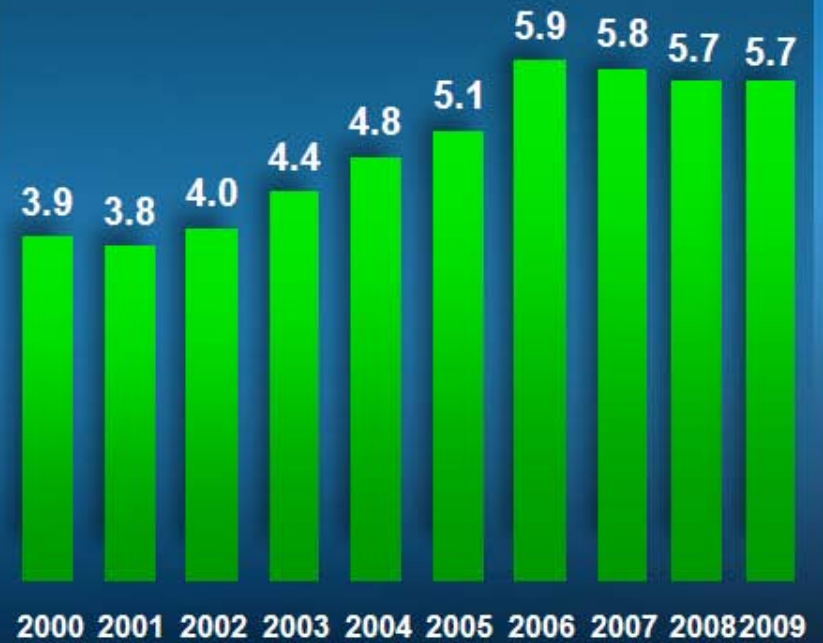


Spending

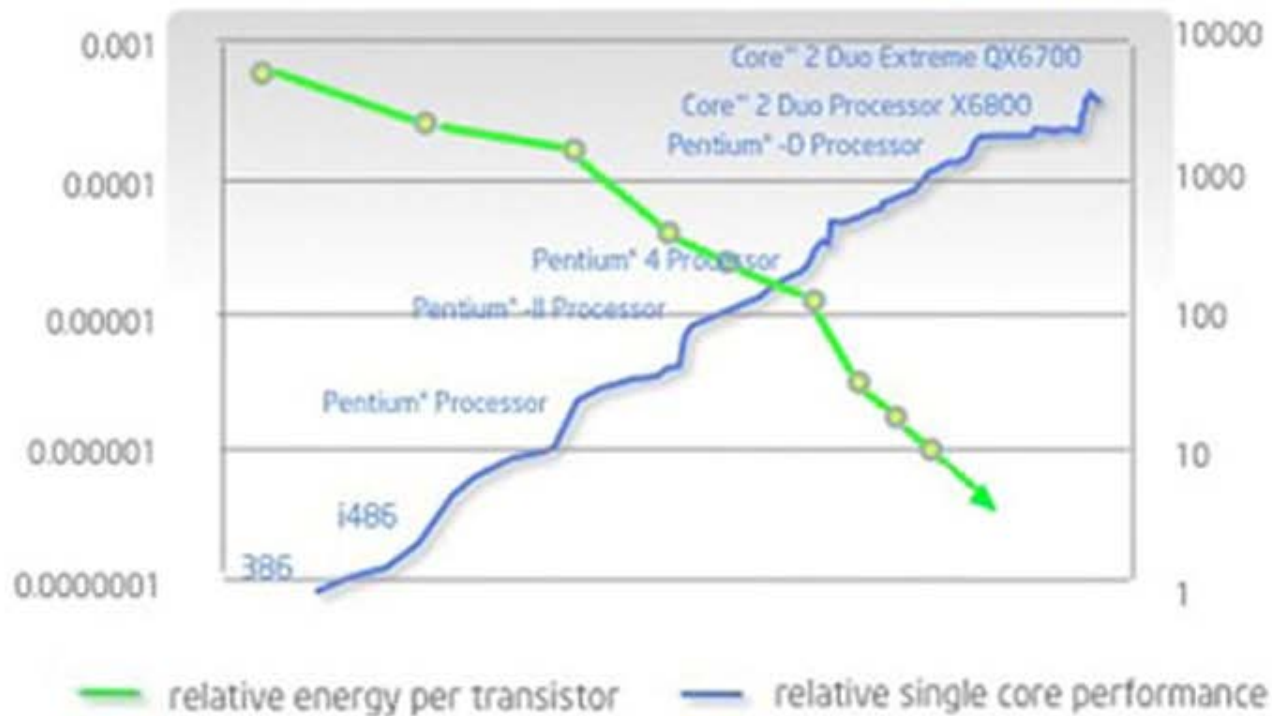
Capital Additions to Property, Plant and Equipment (Dollars in Billions)



Research and Development (Dollars in Billions)



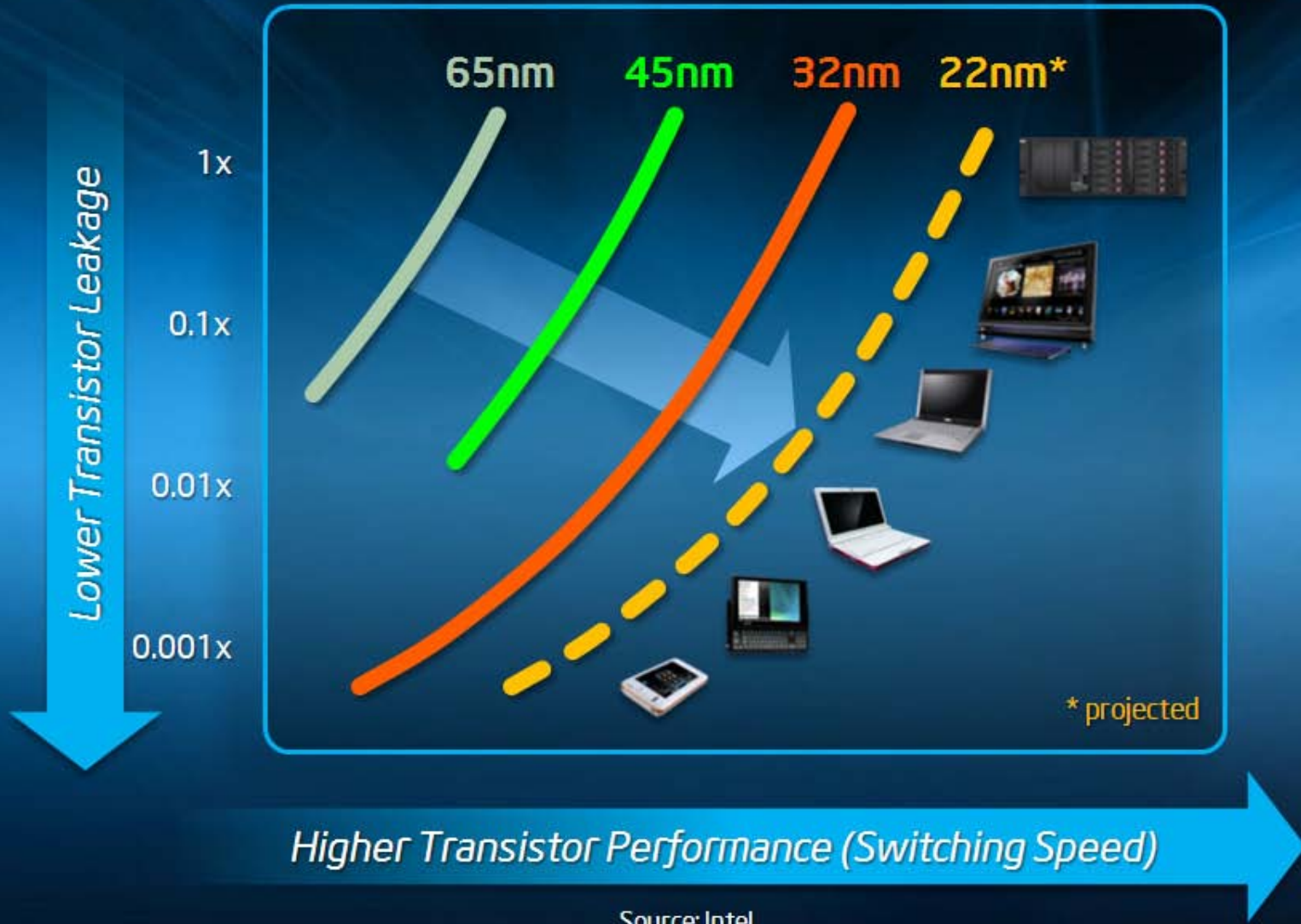
Power Reduction vs. Core Performance Over Time



Source: Intel Estimates



Leading Edge Process Technology



Source: Intel



Building a Continuum of Personal Computing Experiences



Desktops

Laptops

Netbooks

Personal
Devices

Smartphones

Smart TVs

Embedded



COMPUTING 2020*

50
TRILLION
Gigabytes Of Data



2
TRILLION
Financial Transactions



31
BILLION
Connected Devices



4
BILLION
Connected People



25
MILLION
Applications



Source: IDC

IDC Directions 2010, ICT Outlook: Recovering into a New World, Doc.# DR2010_GS2_JG, March 2010

* forecast



The World Ahead

Access



Connectivity



Education



Content



Connecting the Next Billion People to Uncompromised
Technology Around the World



World Ahead Progress



ACCESSIBILITY

40M PCs added worldwide thru GAPP programs
85M netbooks added worldwide by end of 2010

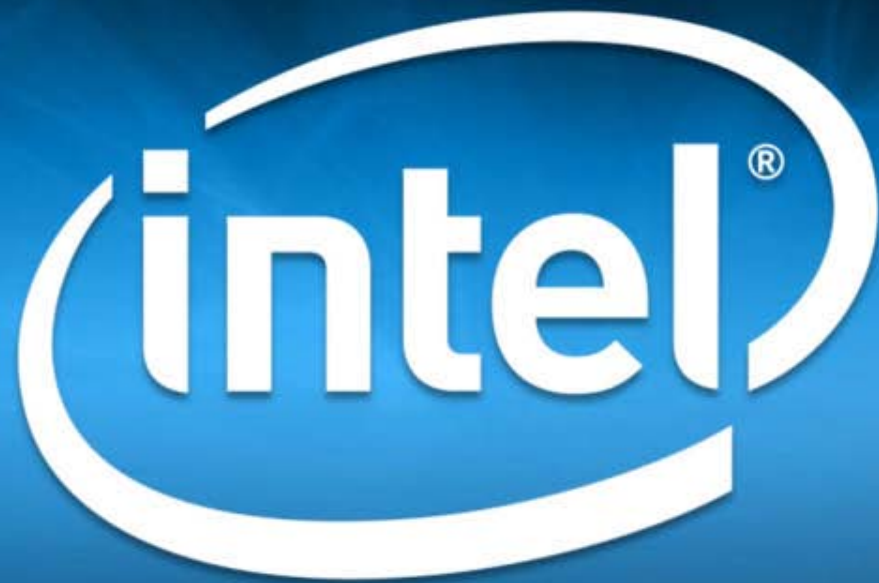
CONNECTIVITY

WiMAX connectivity in >100 countries

EDUCATION

Trained 8M teachers in 60 countries





www.intel.com/worldahead