PAUL S. OTELLINI

President and Chief Executive Officer

Intel Developer Forum 2007 • San Francisco
September 18, 2007

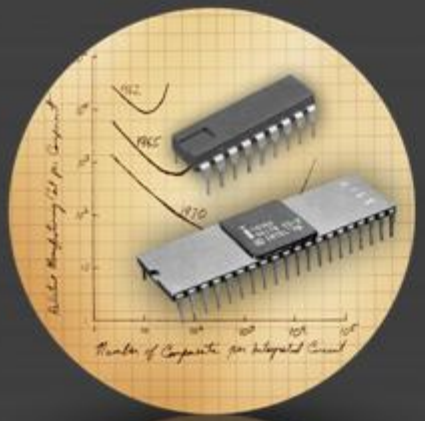
Risk Factors

This presentation contains forward-looking statements. All statements made that are not historical facts are subject to a number of risks and uncertainties, and actual results may differ materially. Please refer to our most recent Earnings Release and our most recent Form 10-Q or 10-K filing available on our website for more information on the risk factors that could cause actual results to differ.

EXTREME to MAINSTREAM

EXTREME to MAINSTREAM

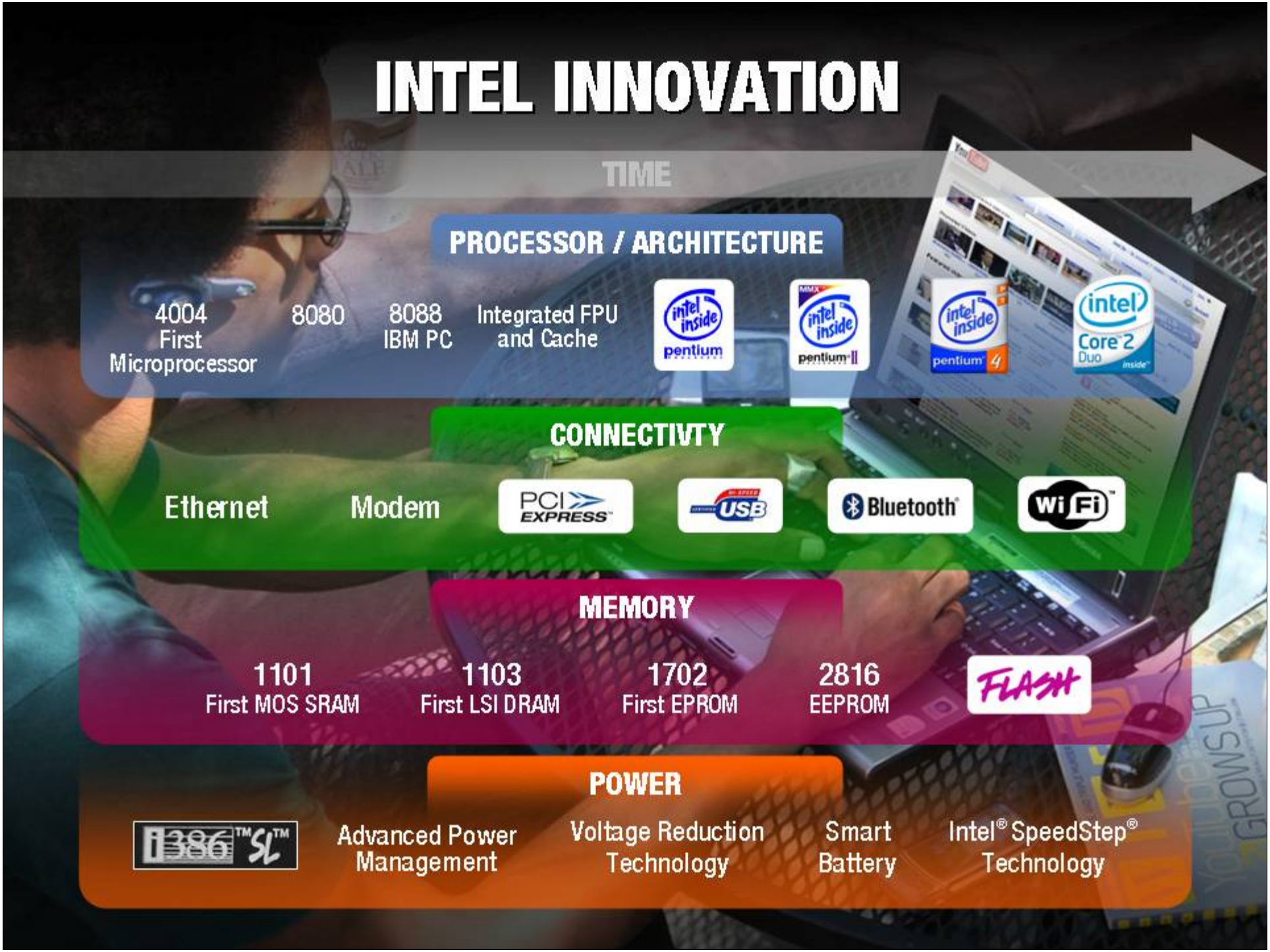
History of **INNOVATION**



Unparalleled **CAPABILITIES**

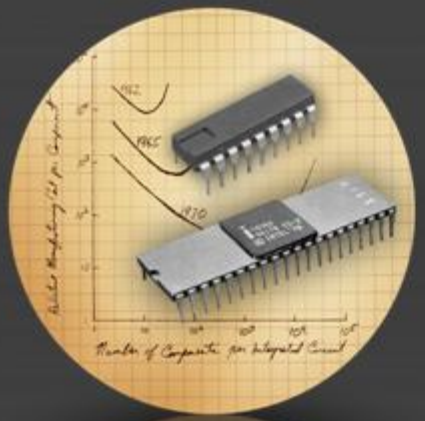
The Next **MAINSTREAM**

INTEL INNOVATION



EXTREME to MAINSTREAM

History of **INNOVATION**

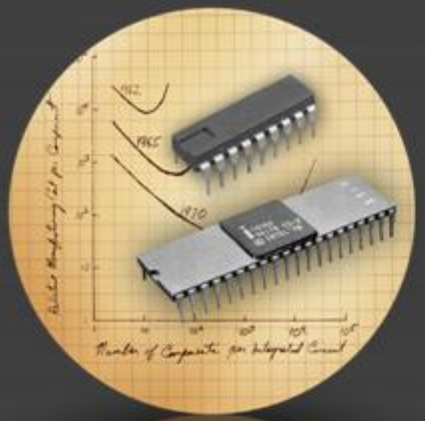


Unparalleled **CAPABILITIES**

The Next **MAINSTREAM**

EXTREME to MAINSTREAM

History of
INNOVATION



Unparalleled
CAPABILITIES

The Next
MAINSTREAM

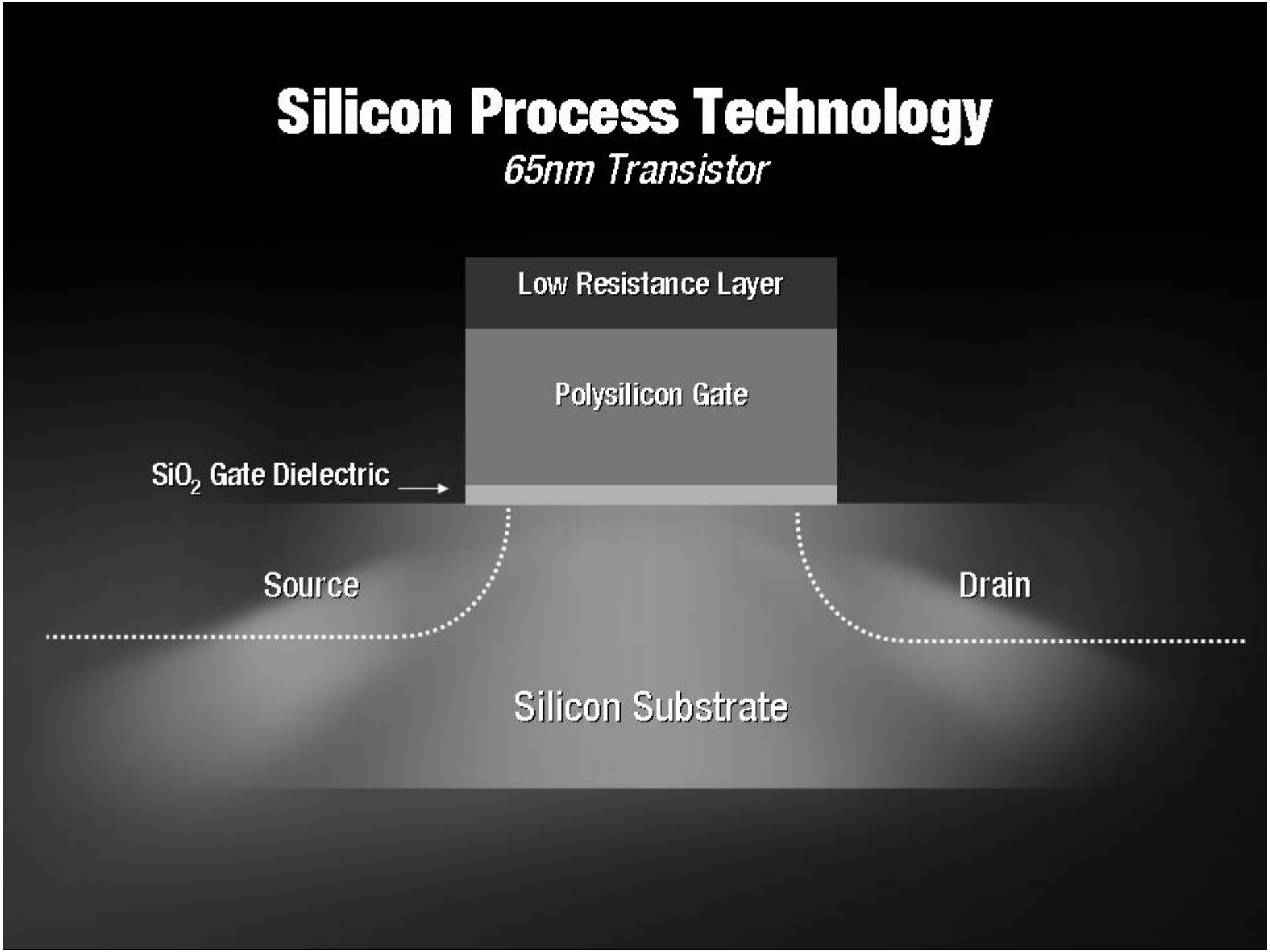
Silicon Process Technology

Intel Architecture-based Platforms

Market Creation

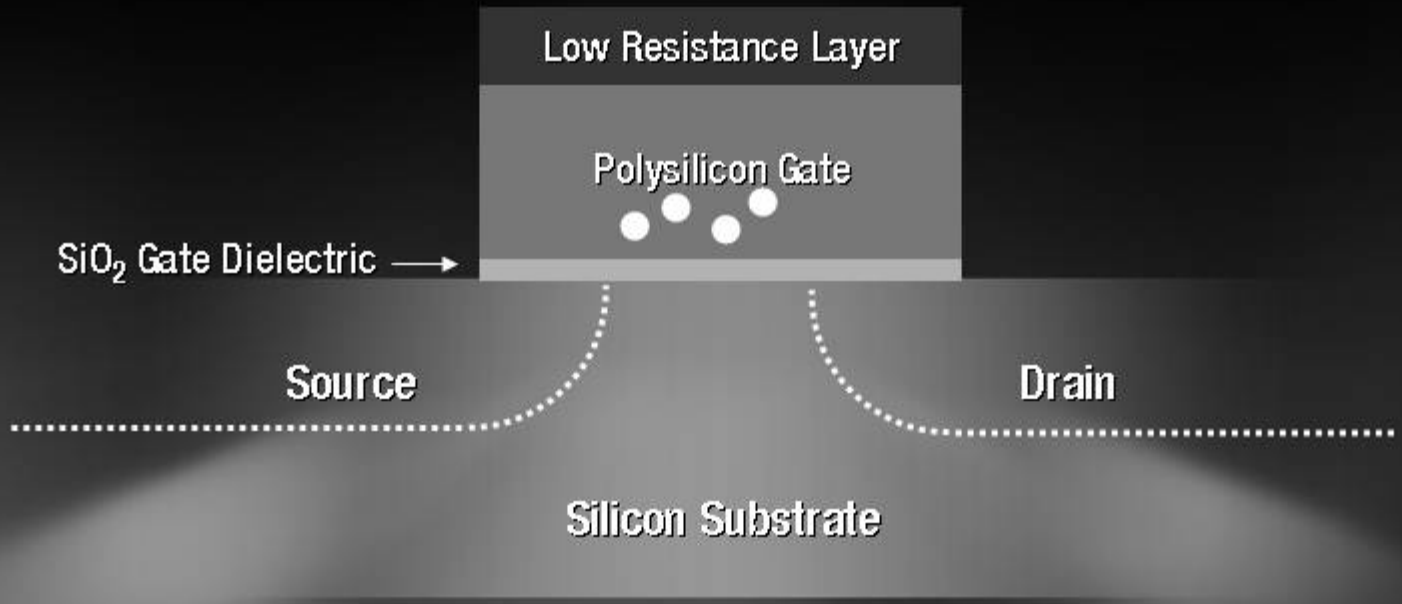
Silicon Process Technology

65nm Transistor



A Challenge in Silicon Process Scaling

The Problem of Leakage

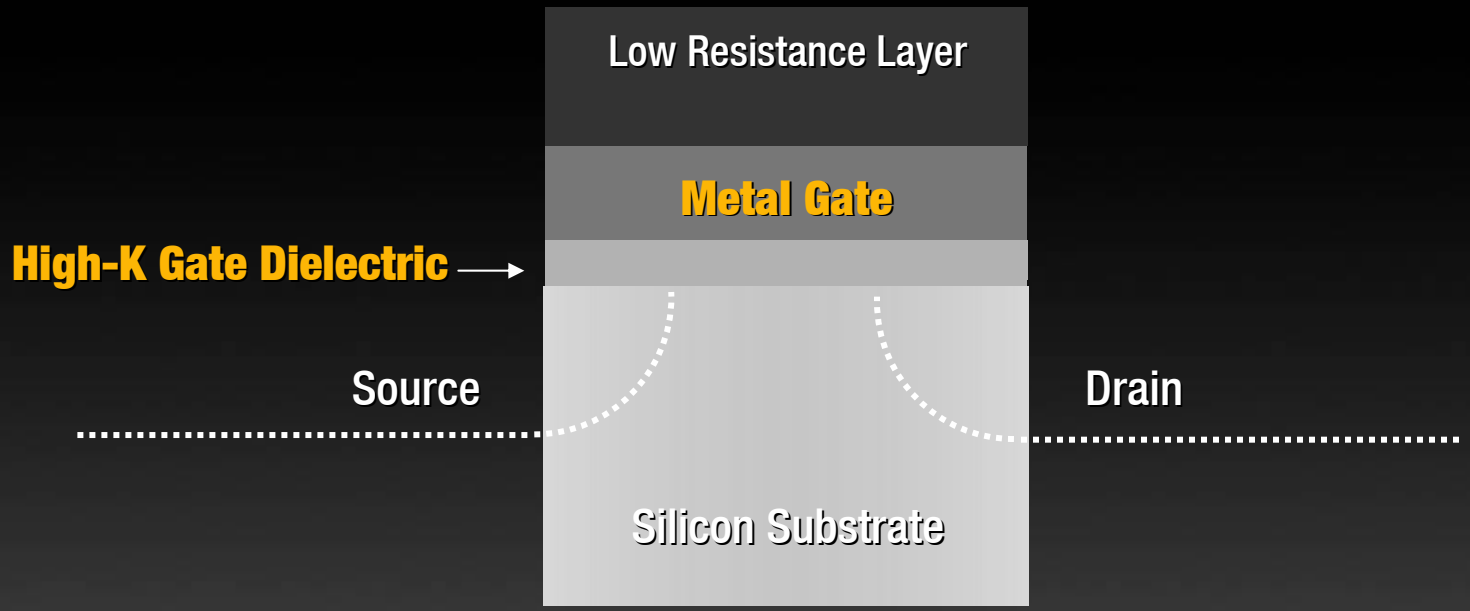


Thinning SiO_2 Gate Dielectric Results in Increased Gate

Current Leakage

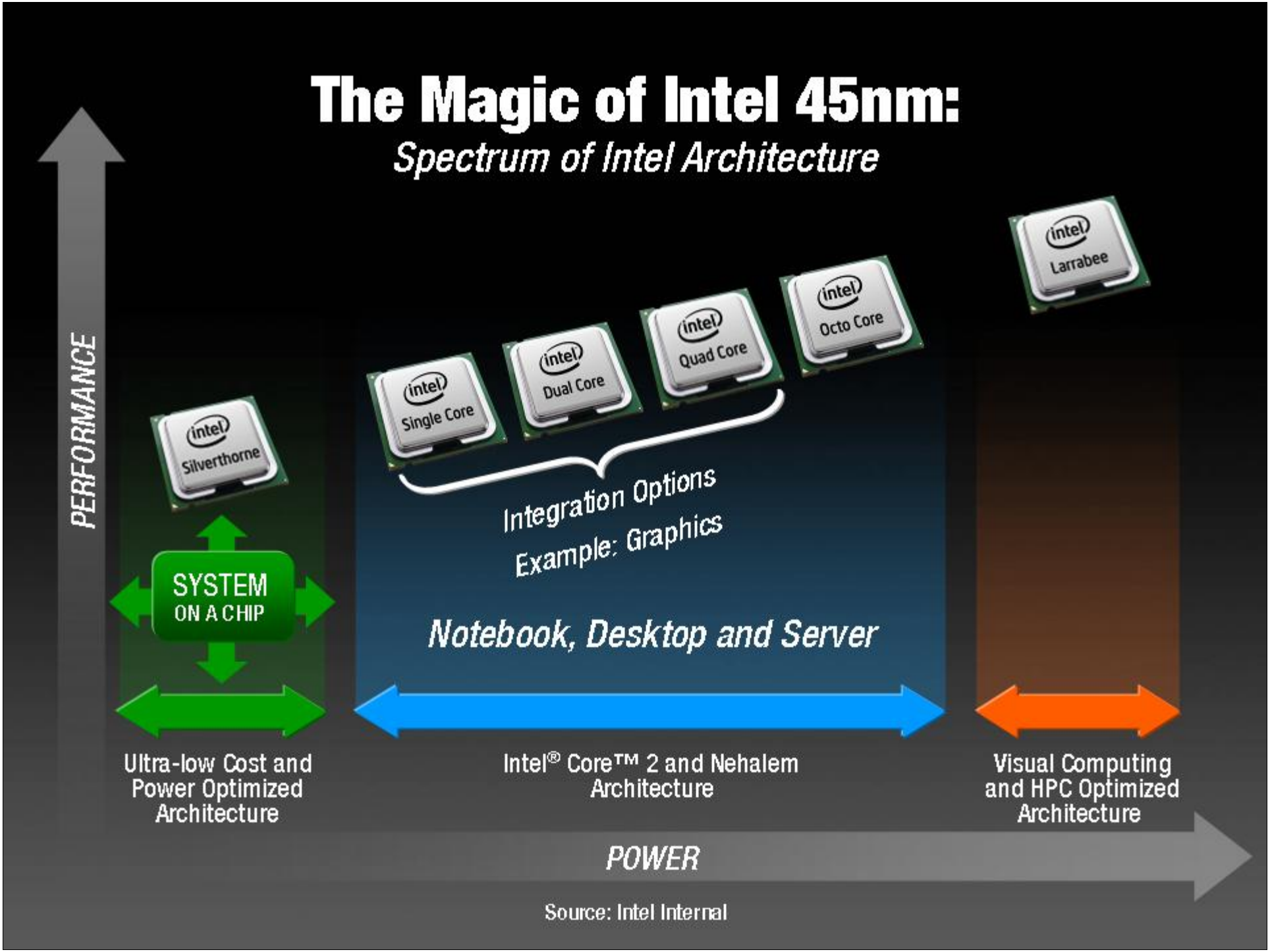
Intel's Unique Solution

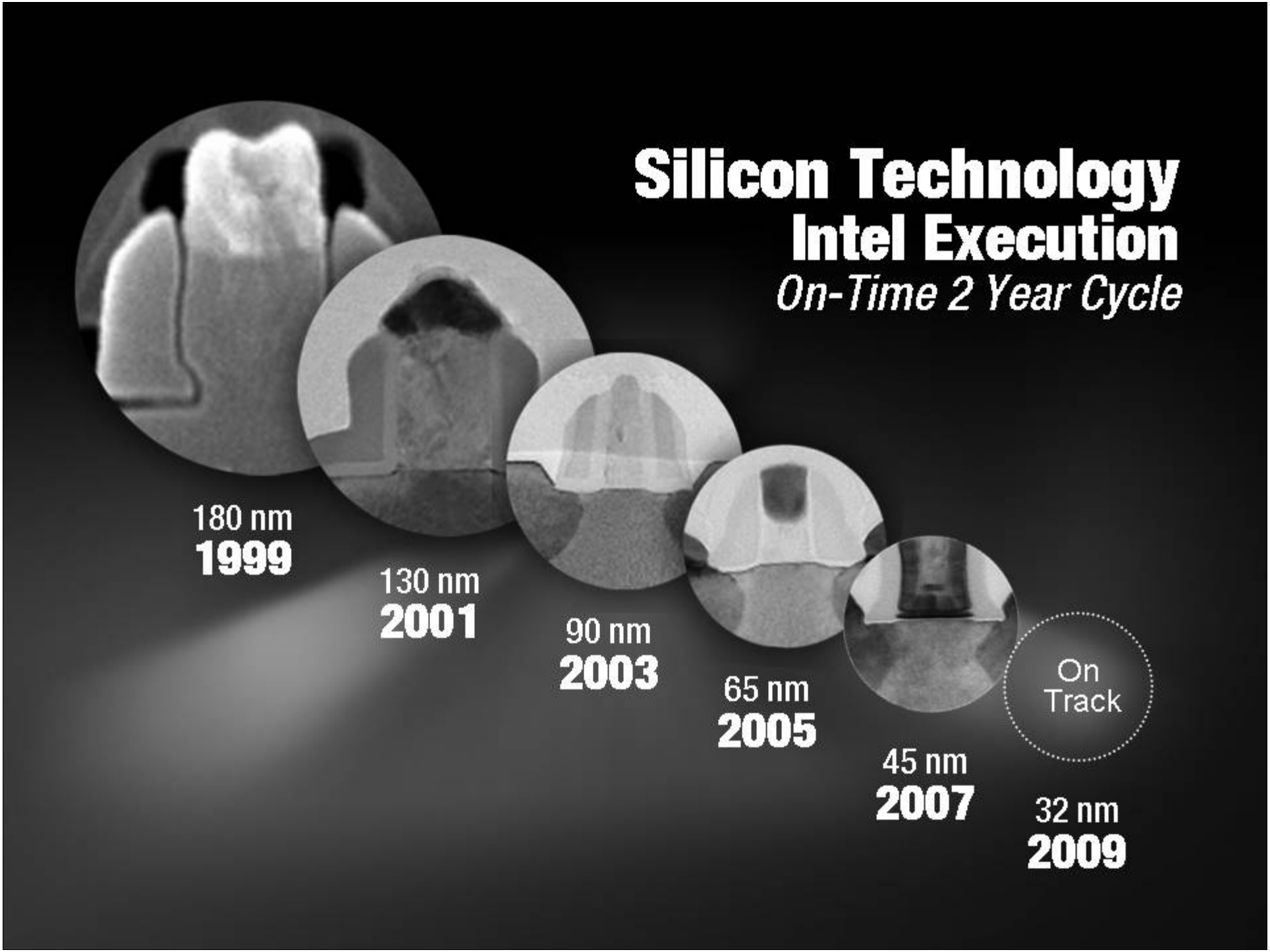
High-K Metal Gate 45nm Transistor



>20% Performance Increase

>10X Gate Leakage Reduction


The Magic of Intel 45nm:
Spectrum of Intel Architecture
PERFORMANCE
intel Silverthorne
intel Single Core
intel Dual Core
intel Quad Core
intel Octo Core
intel Larrabee
Integration Options
Example: Graphics
SYSTEM
ON A CHIP
Notebook, Desktop and Server
Ultra-low Cost and Power Optimized Architecture
Intel® Core™ 2 and Nehalem Architecture
Visual Computing and HPC Optimized Architecture
POWER
Source: Intel Internal


Silicon Technology
Intel Execution
On-Time 2 Year Cycle
180 nm
1999
130 nm
2001
90 nm
2003
65 nm
2005
45 nm
2007
32 nm
2009
On
Track

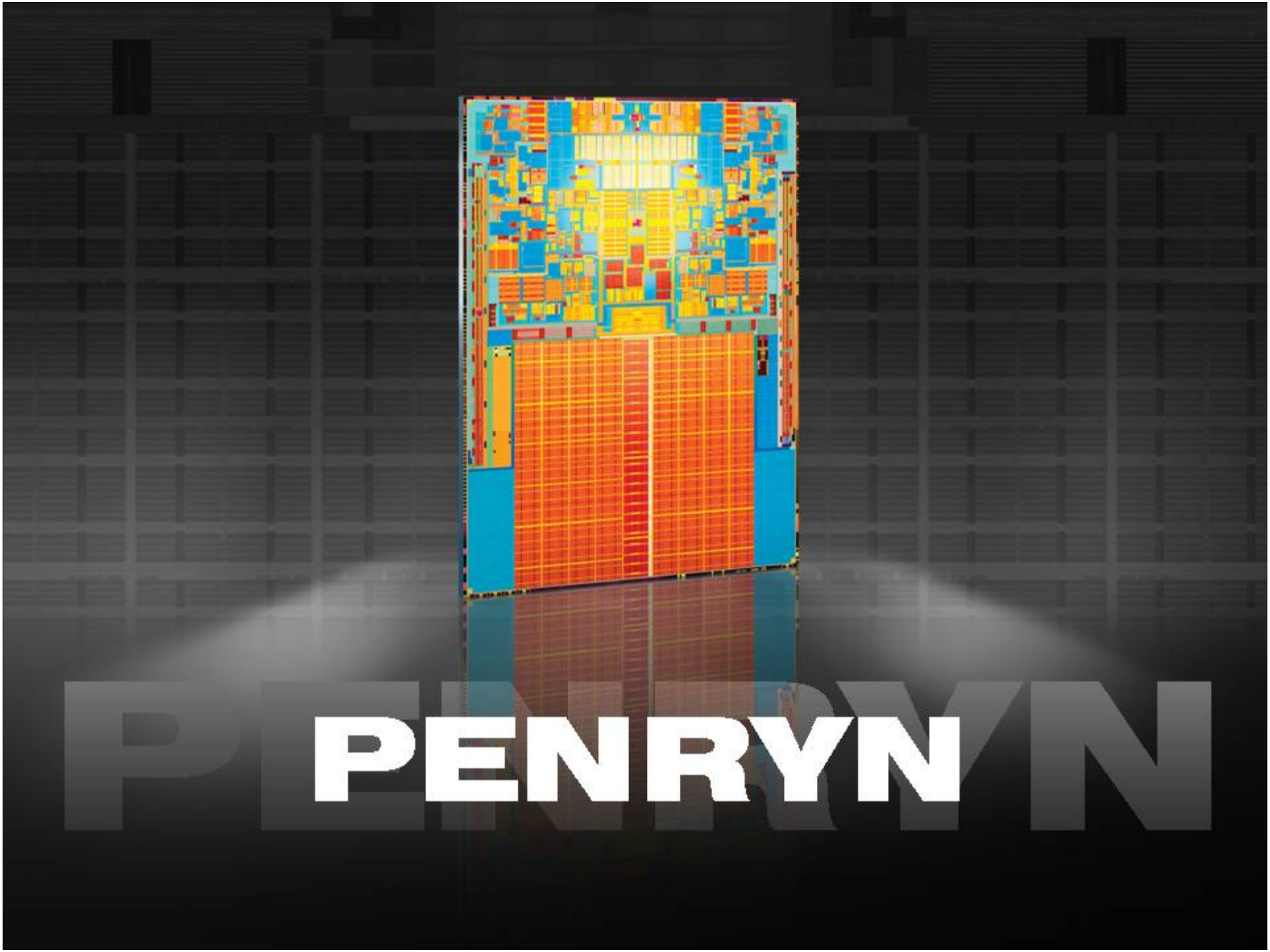
Intel Architecture-based Platforms

Industry Leading Microprocessors

Chipsets

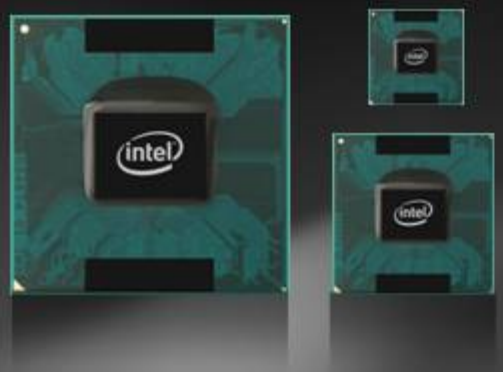
User-Valued Features

Supported by a Broad Ecosystem

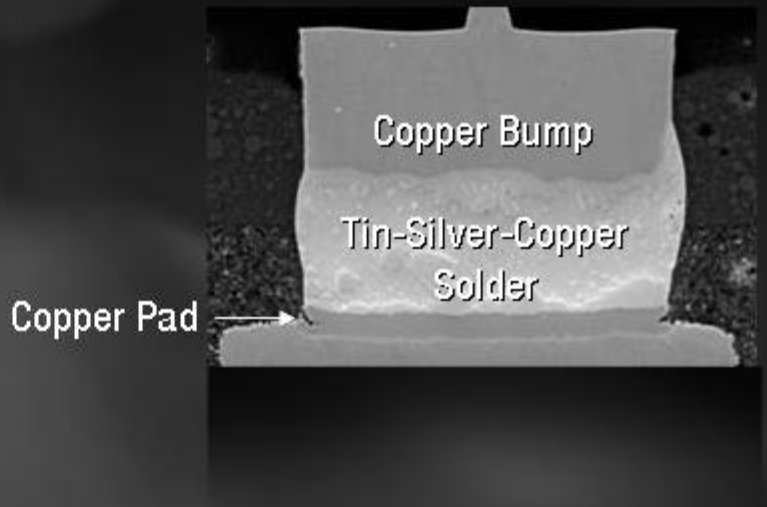

PENRYN

Packaging Innovations

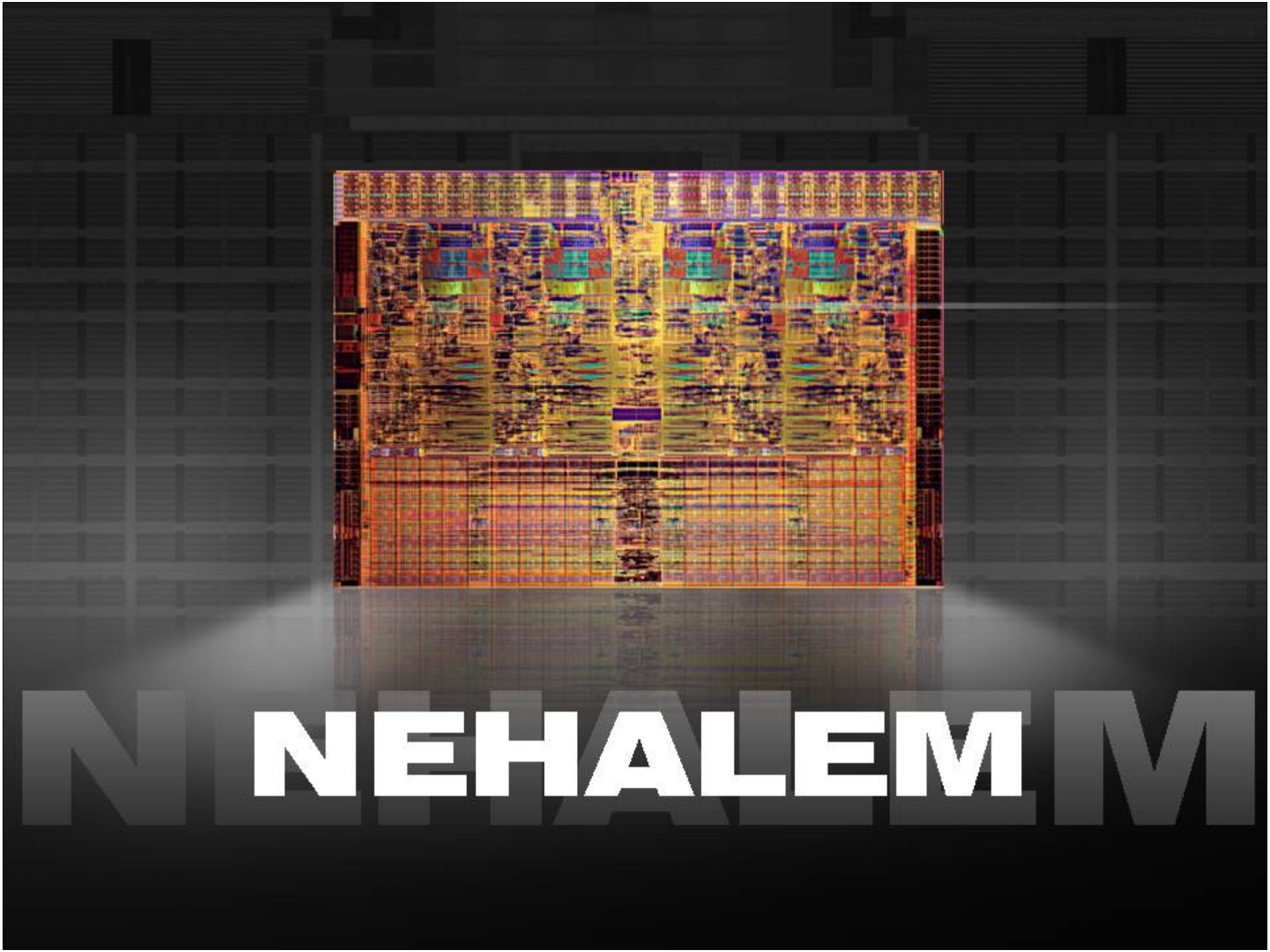
60% Smaller
CPU Packages

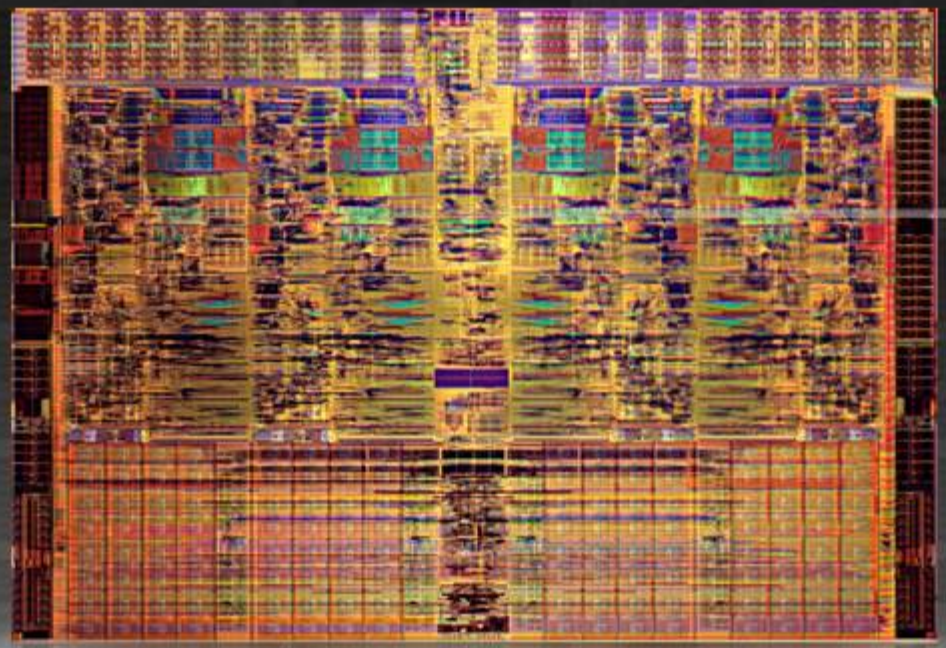


100% Lead Free
Technology



2008: All 45nm CPU's Halogen Free


NEHALEM

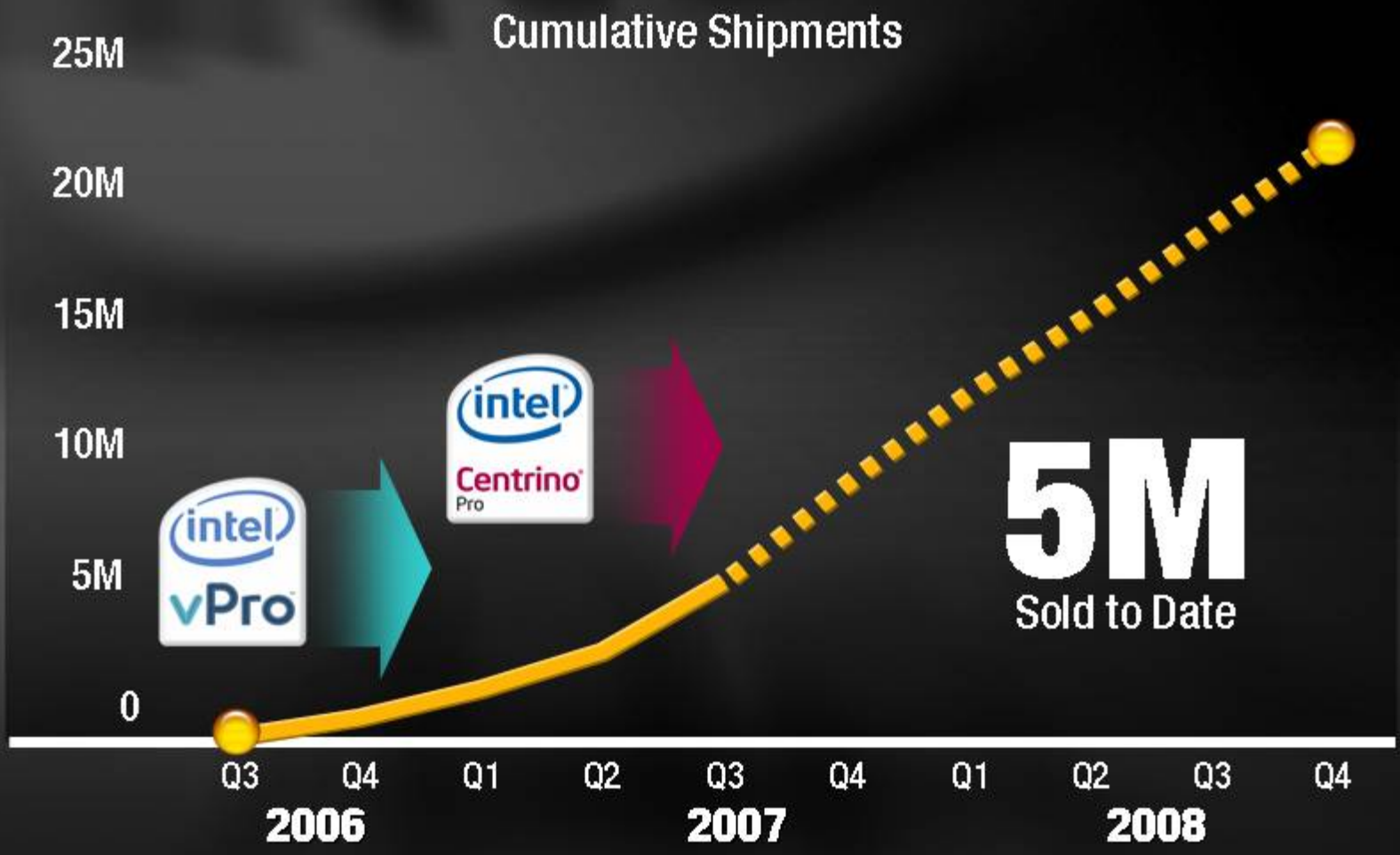


Glenn Hinton

Chief Nehalem Architect, Intel Fellow

The "Pro" Platform Family

Proactive Security • Built-in Manageability • Energy Efficient Performance



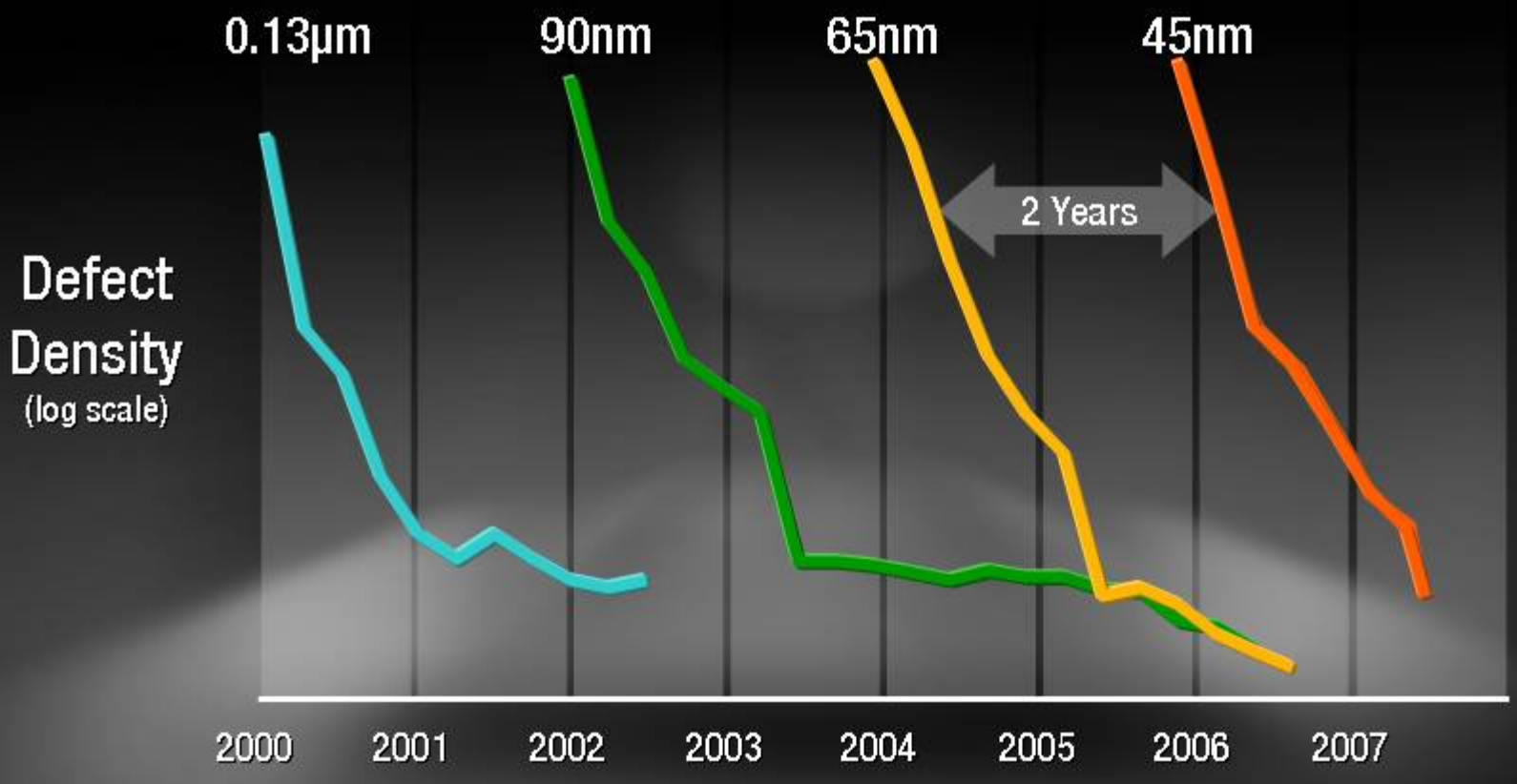
Extending Intel Architecture Platforms

Ultra Low Power
Sufficient Performance
Extreme Integration

Performance
Energy Efficiency
User Valued Features

Growth Opportunities for the Industry

Market Creation: *SCALE*



Source: Intel Internal

45nm: Ready to Ramp

Market Creation: *CAPACITY*

Intel 45nm Fab Network

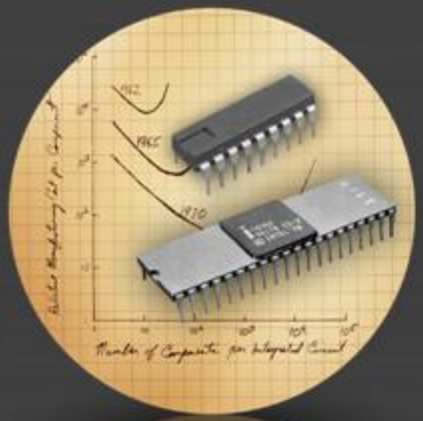
Market Creation: *DIFFUSION*

Intel Developer FORUM	Announcement	Success Metric
2001	Performance/Power	Banias Shipments Crossed Over Predecessor in **7 Months**
2002	Hyper-Threading	**100%** of Servers and **Over Half** of Clients by 2004
2003	Wireless	In **Over 90%** of Notebooks by 2005
2004	Multi-Core	Dual-Core **Crossover by 2006**, **1Mu** Shipped in 4 Months

Intel Delivers

EXTREME to MAINSTREAM

History of
INNOVATION



Unparalleled
CAPABILITIES

The Next
MAINSTREAM

Silicon Process Technology

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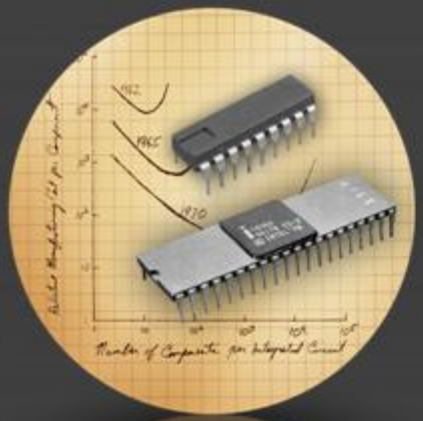
EXTREME to MAINSTREAM

History of **INNOVATION**



Unparalleled **CAPABILITIES**

The Next **MAINSTREAM**

Mobility

Entertainment

Problem Solving

Inclusion

EXTREME Mobility

Notebook Growth

Intel Mobile Mix of Total Client

Source: Intel Internal

Mobility is MAINSTREAM

The Future of MOBILITY

clearwire
Sprint
KDDI
lenovo
acer
ASUS
Panasonic
TOSHIBA
WiMAX
Moving
Mainstream

Low Power for *MOBILITY*

~~2010~~

2008

IDF 2005

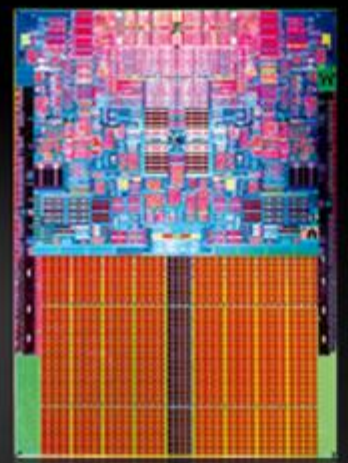
10X LOWER POWER — Intel Architecture — 10X PERFORMANCE (MANY-CORE)

In Addition . . .

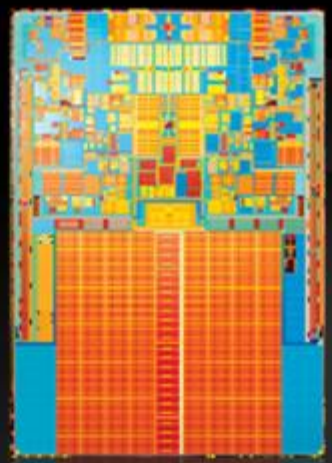
10X
LOWER IDLE POWER BY
2010

The Next Generation Laptop

Santa Rosa



Over 10M Shipped



Montevina

WiMAX

HD Video

25W Version

Beyond the Laptop:
Mobile Internet Devices

Today's Devices

1H'08: Menlow

iA +

Rich Internet Experience

EXTREME Entertainment

GAMING

Games Go Mainstream

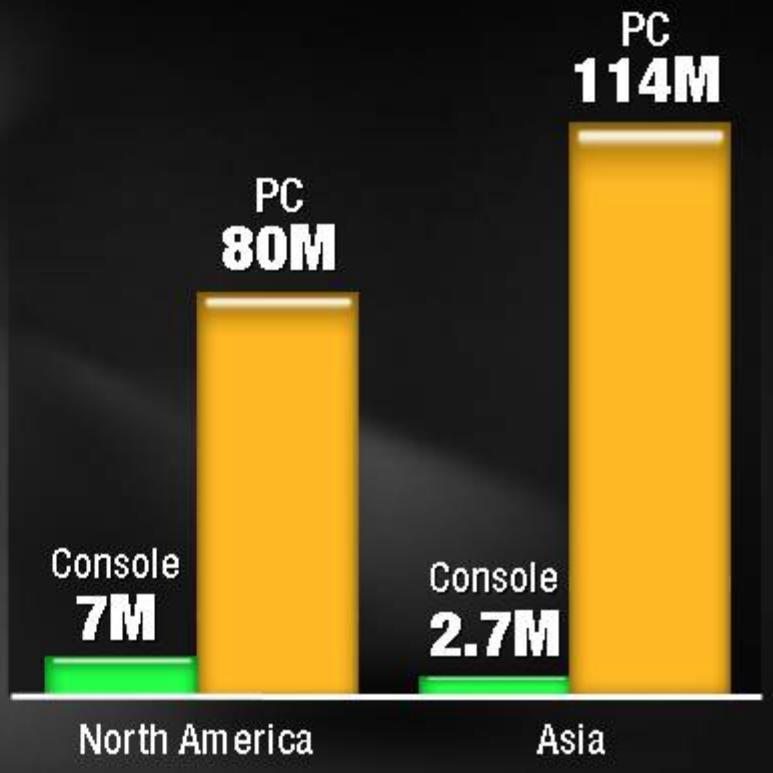
The McGraw-Hill Companies
BusinessWeek
September 3, 2007

Gaming PC's for the Masses

THE WALL STREET JOURNAL.
September 6, 2007

Online Gamers

PC vs. Console



Source: DFC Intelligence, May 2007

Extreme GAMING =

High-Performance
IA SYSTEM

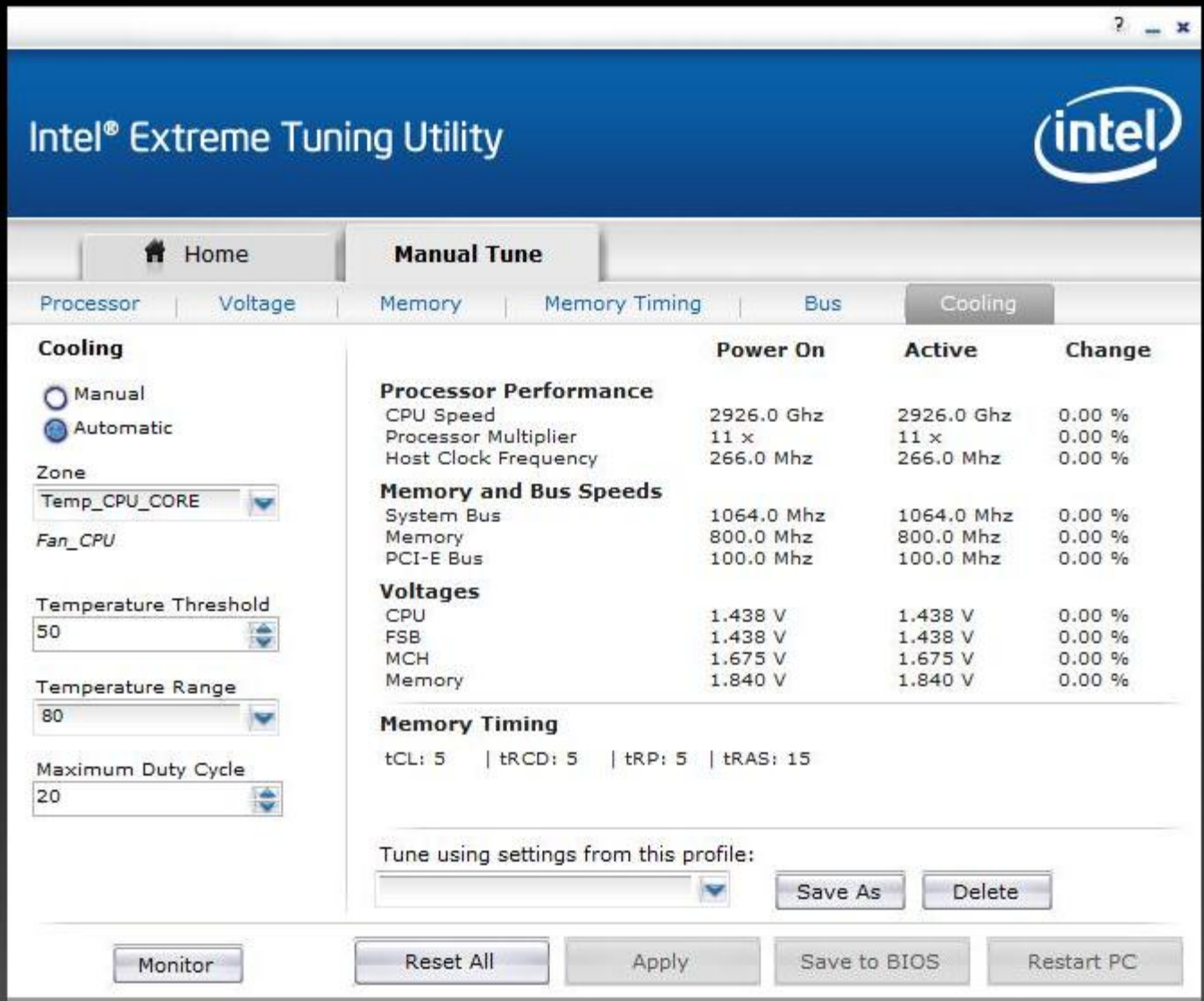
+

High-Performance
GRAPHICS

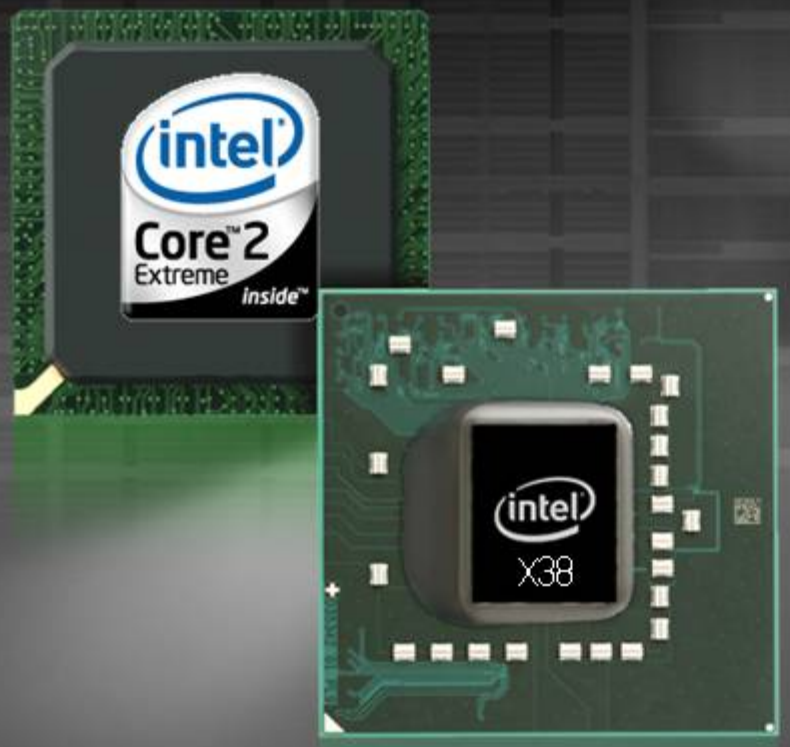
Welcome To
XTREME SYSTEMS
Power: On
Home
My Account
News
Downloads
Logout
Topics
Reviews
Intel Presler 955XE Overclock @ XS
I am sure a lot of you have seen the recent benchmarks and stock perf
is merely an exhibition of the possibilities of new manufacturing proces
Lets go over the hand picked hardware I will be using for the benchmar
Charles Wirth
Owner of XtremeSystems.org

Overclocking Benchmarks –
NEW WORLD RECORDS

- ✓ Max Freq Quad Core
- ✓ 3Dmark 2006 CPU
- ✓ 3Dmark 2005 CPU
- ✓ PCMark 2005
- ✓ Super pi 1m
- ✓ Aquamark 3
- ✓ Cinebench 10 32bit


Intel® Extreme Tuning Utility
intel
Home
Manual Tune
Processor
Voltage
Memory
Memory Timing
Bus
Cooling
Cooling
Manual
Automatic
Zone
Temp_CPU_CORE
Fan_CPU
Temperature Threshold
50
Temperature Range
80
Maximum Duty Cycle
20
Power On
Active
Change
Processor Performance
CPU Speed 2926.0 Ghz 2926.0 Ghz 0.00 %
Processor Multiplier 11 x 11 x 0.00 %
Host Clock Frequency 266.0 Mhz 266.0 Mhz 0.00 %
Memory and Bus Speeds
System Bus 1064.0 Mhz 1064.0 Mhz 0.00 %
Memory 800.0 Mhz 800.0 Mhz 0.00 %
PCI-E Bus 100.0 Mhz 100.0 Mhz 0.00 %
Voltages
CPU 1.438 V 1.438 V 0.00 %
FSB 1.438 V 1.438 V 0.00 %
MCH 1.675 V 1.675 V 0.00 %
Memory 1.840 V 1.840 V 0.00 %
Memory Timing
tCL: 5 | tRCD: 5 | tRP: 5 | tRAS: 15
Tune using settings from this profile:
Save As
Delete
Monitor
Reset All
Apply
Save to BIOS
Restart PC

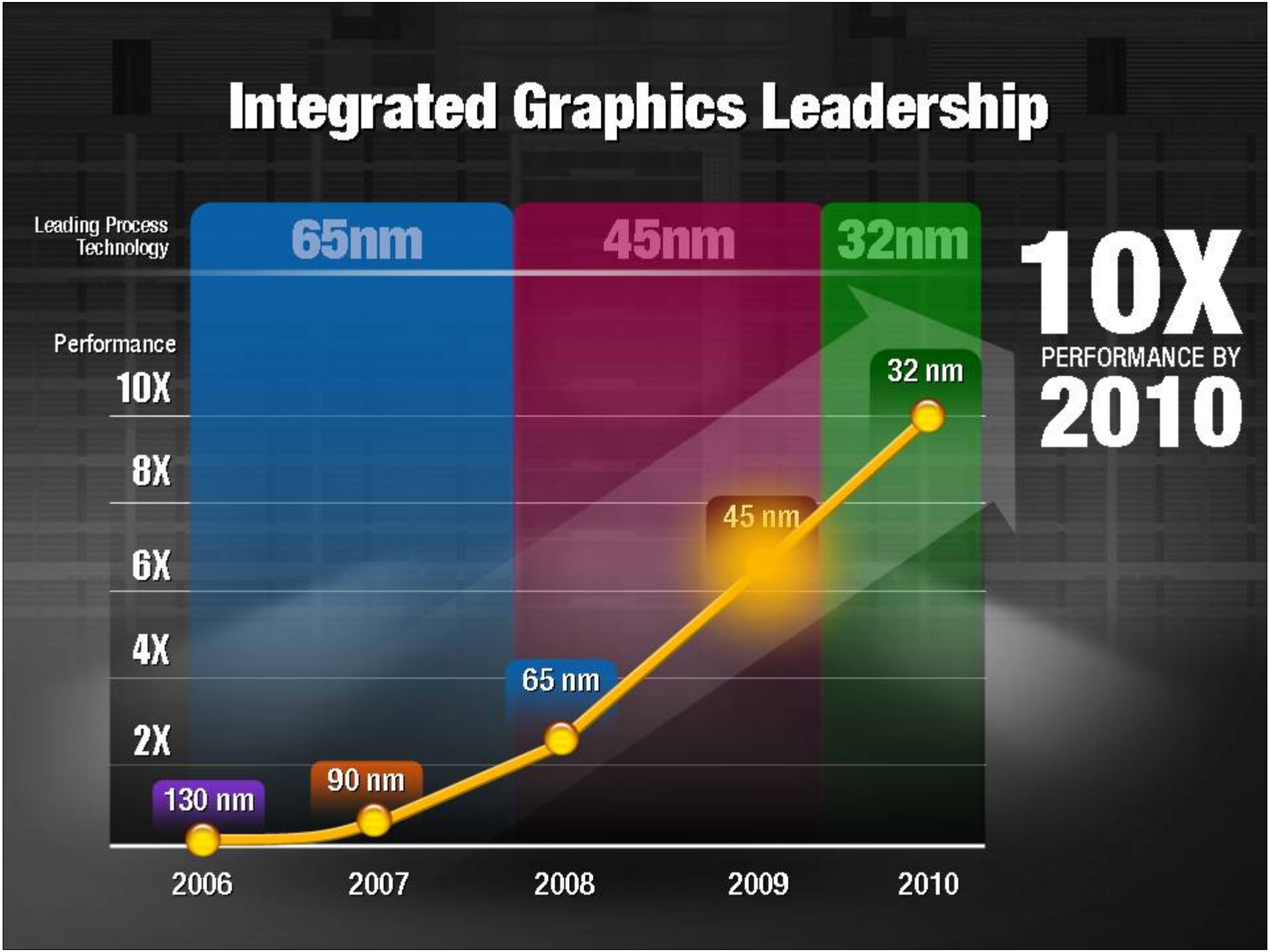
The *Ultimate* Gaming Platform

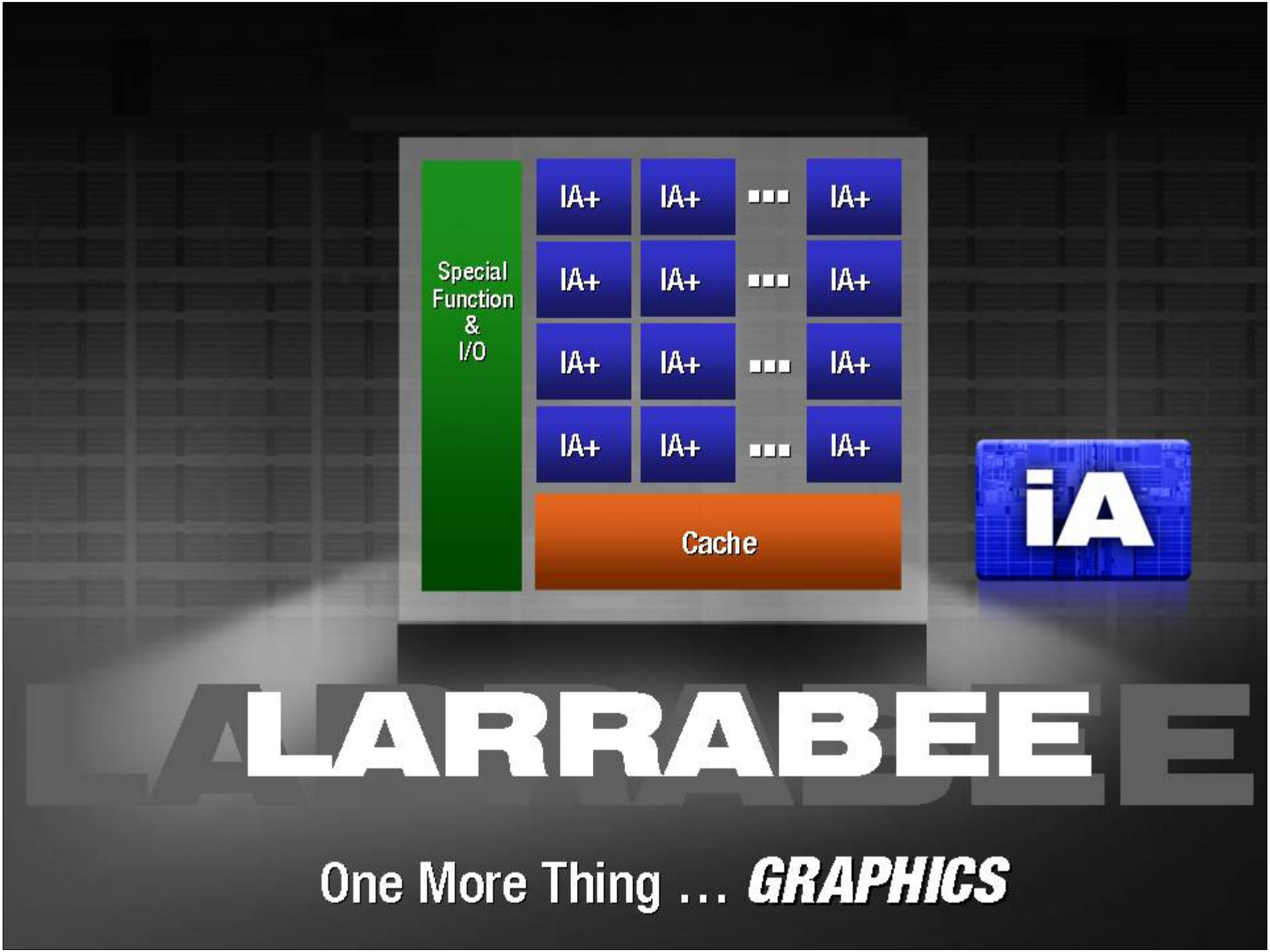


iA

Extreme Tuning

Integrated Graphics Leadership




Special Function & I/O
IA+
IA+
IA+
IA+
IA+
IA+
IA+
IA+
IA+
IA+
IA+
IA+
Cache
iA
LARRABEE
One More Thing … GRAPHICS

havok™
Jeff Yates
Vice President, Product Management

PANDEMIC
Josh Resnick
President and Co-Founder

The Evolution of
Consumer Electronics

The Internet Changes the Game

Consumer Electronics:
Implications of the Internet

Rich, Immersive
INTERACTIVITY

Support for
SERVICES

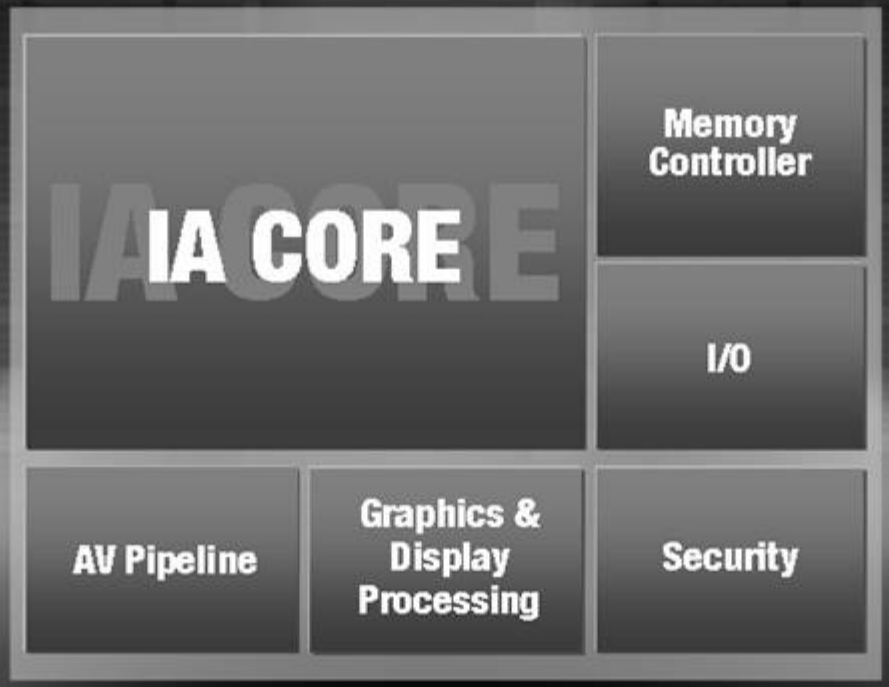
CONTENT PORTABILITY

Compression of
PRODUCT DEVELOPMENT

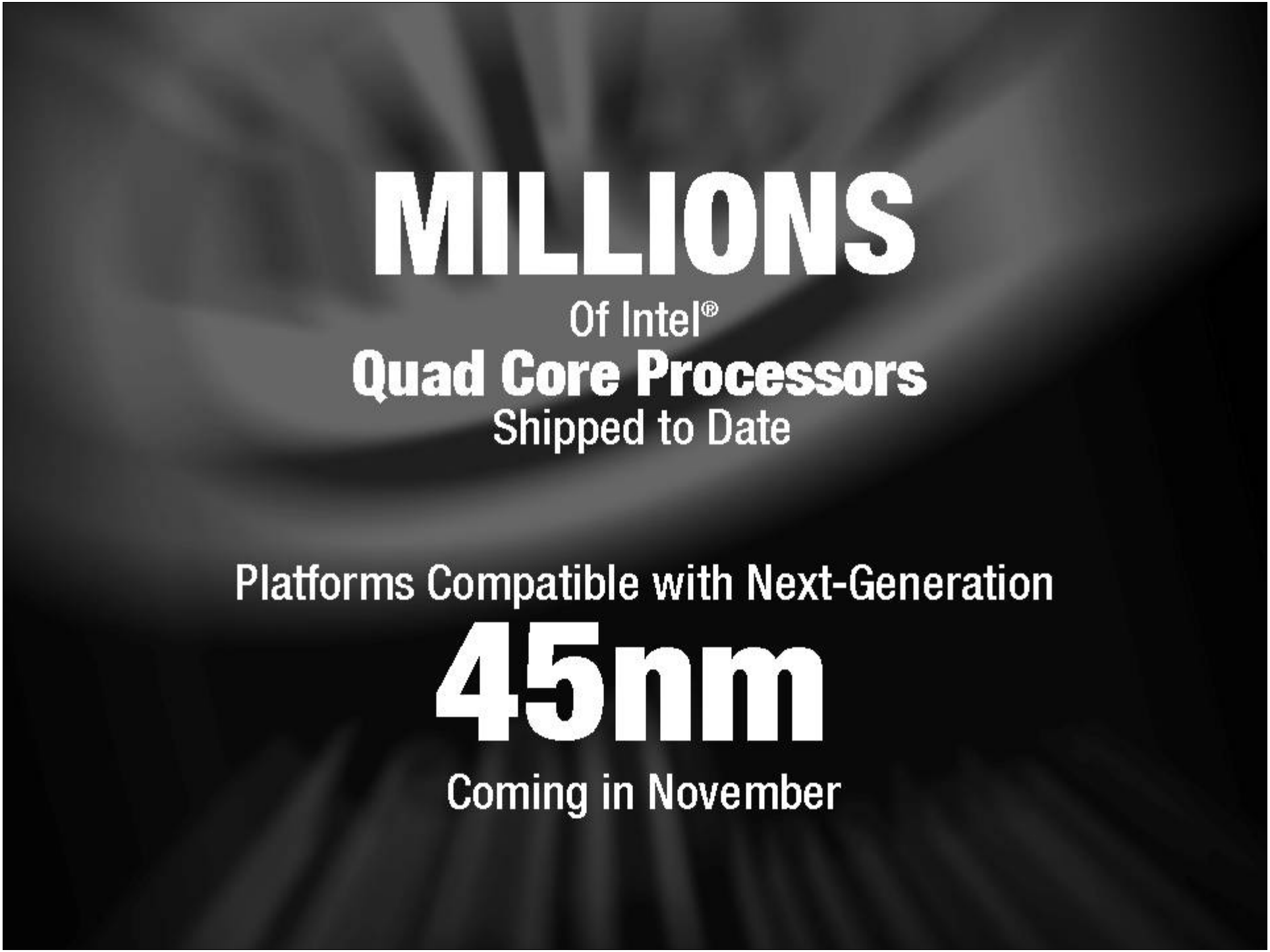
Greater Role for Software

Consumer Electronics:
Intel's Solution

System on a Chip



EXTREME Problem Solving


MILLIONS
Of Intel®
Quad Core Processors
Shipped to Date
Platforms Compatible with Next-Generation
45nm
Coming in November

ANDREW FANARA

Manager, Energy Star Product Specifications Development Team

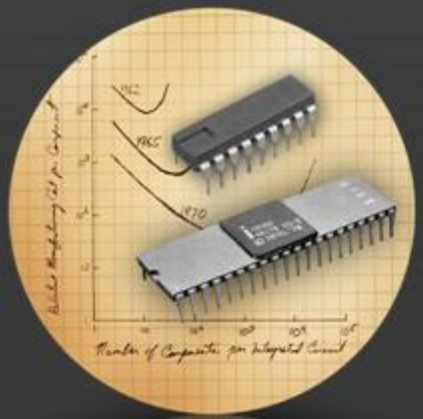
climate savers
smart computing SM
Board of Directors
intel
DELL
Google
hp invent
EDS
WWF
lenovo
Microsoft
PG&E
Pacific Gas and Electric Company
Sponsors
FUJITSU
DELTA
ebay
HITACHI
Inspire the Next
AMD
Smarter Choice
MARVELL
NEC
Sun microsystems
SUPERMICRO

EXTREME Inclusion
ACCESSIBILITY
EDUCATION
CONTENT
CONNECTIVITY

The Next Threshold

EXTREME to MAINSTREAM...

History of
INNOVATION



Unparalleled
CAPABILITIES

The Next
MAINSTREAM

...DRIVEN by *INNOVATION*

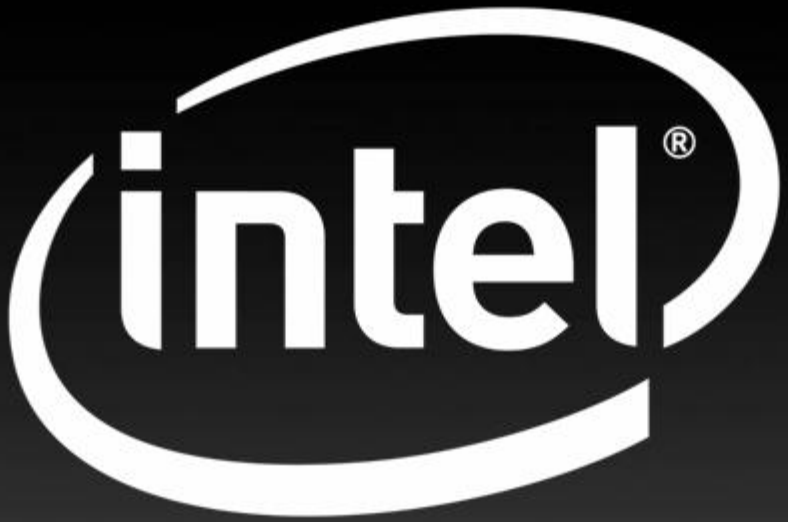
IDF 2001

This is the essence of IDF. . .
especially now

Growth is not a given,
it must be earned

Together we can build great products and re-ignite the growth engine

GROWTH
ENVIRONMENT
OPPORTUNITY
Great Products Deliver GROWTH


intel