BIG DATA MADE EASIER INNOVATION @INTEL

Peter Gleissner

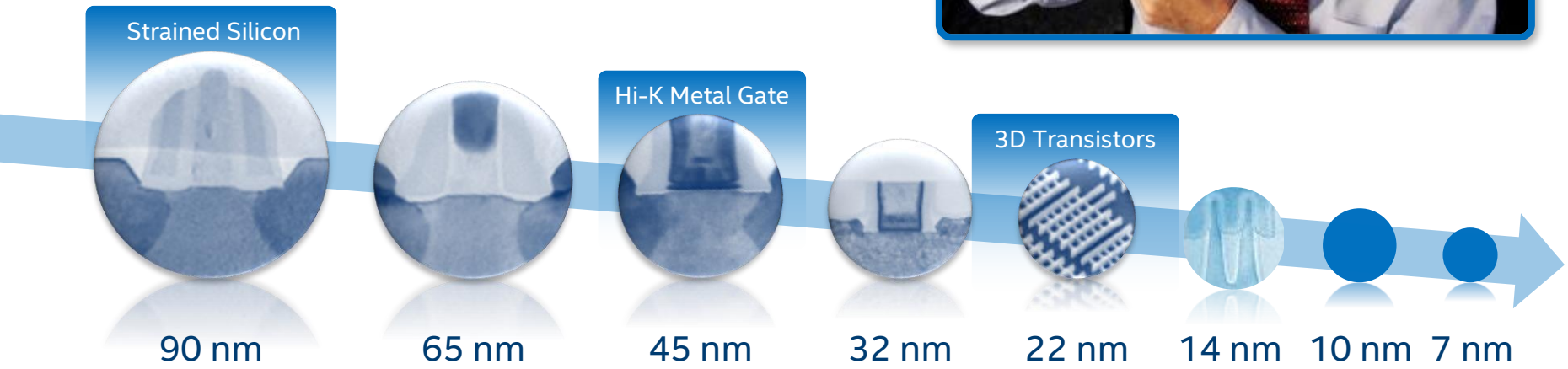
Vice President, Sales and Marketing Group
General Manager, European Union Region

Predictable Silicon Track Record

Executing to Moore's Law

50TH ANNIVERSARY 2015

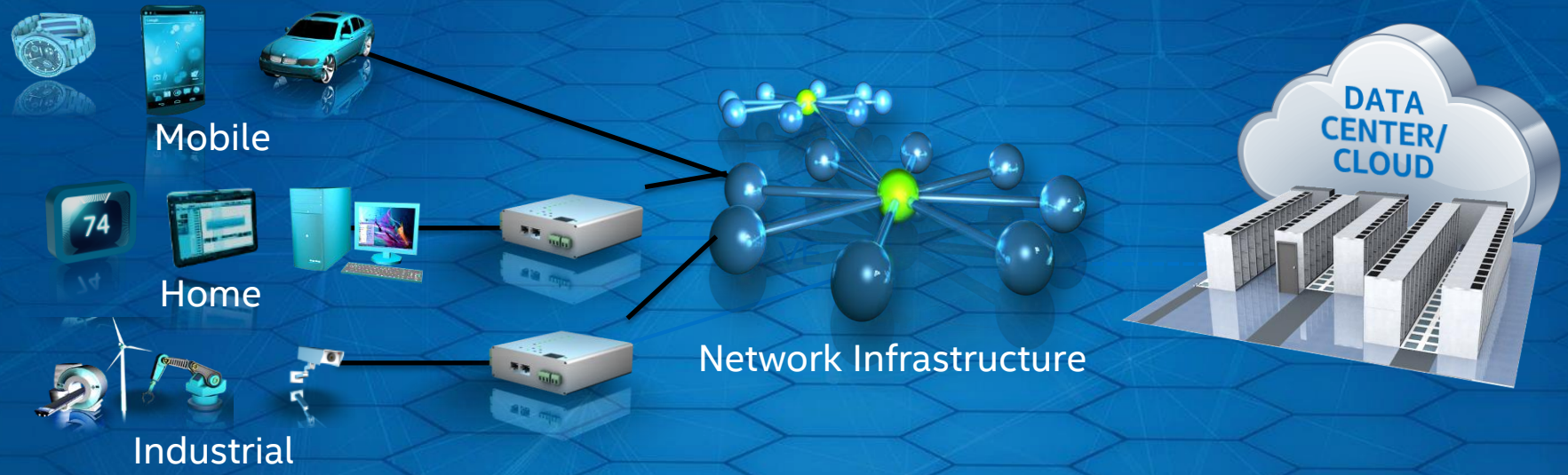
Enabling new devices with higher functionality and complexity while controlling power, cost, and size



INTEL'S VISION

If it is smart and connected, it is best with Intel.

The *INTERNET of THINGS will Energize the European Digital Economy*



PERVASIVE COMPUTE

UBIQUITOUS CONNECTIVITY

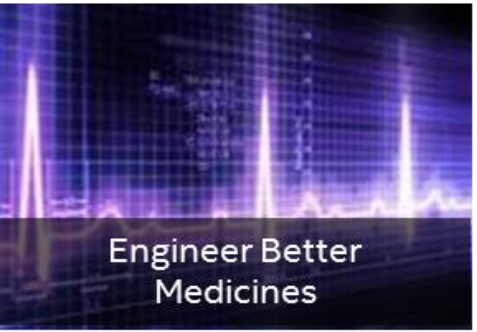
BIG DATA AND ANALYTICS

Energy Needs

Manage Natural Resources

Secure Cyberspace & Internet

Population movement to Cities


Engineer Better Medicines

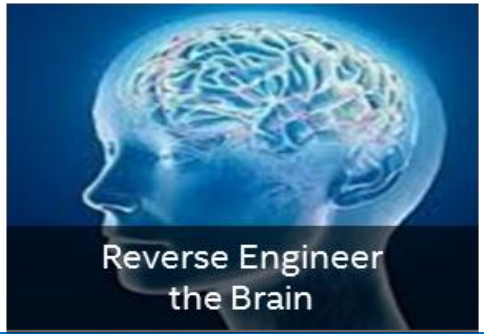
Advance Health Informatics

Resilient Urban Environment

Rise of the Machines

Advance Personalized Learning

Advance Virtual Reality


Reverse Engineer the Brain

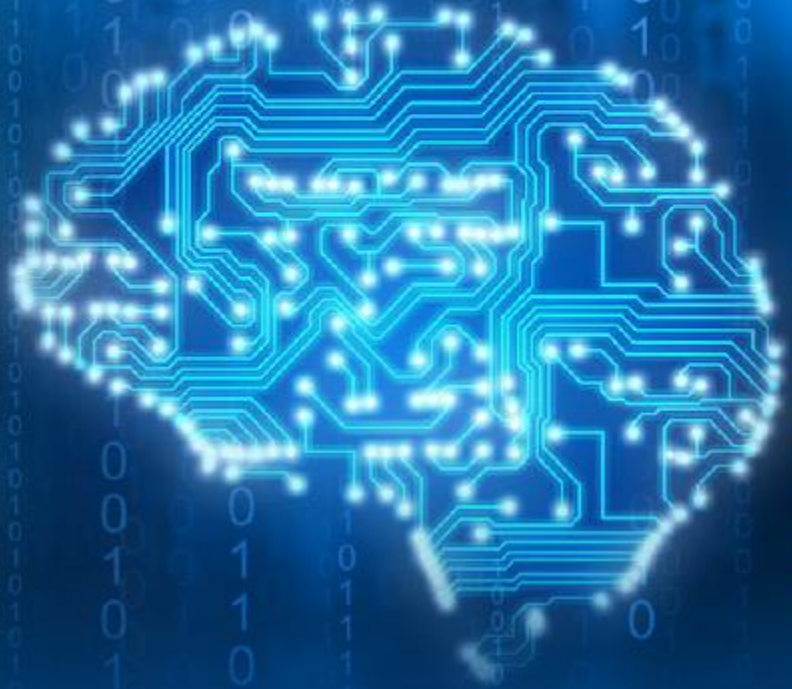
Rapidly Aging Global Population

HOW DO WE GET MORE INSIGHT?

Predictive Analytics:
e.g. *Forecast demand for products and services*

Simulation:
e.g. *Improve and accelerate product design, better finance risk modeling*

In-Memory Analytics:
e.g. *Real Time inventory/financial decisions*



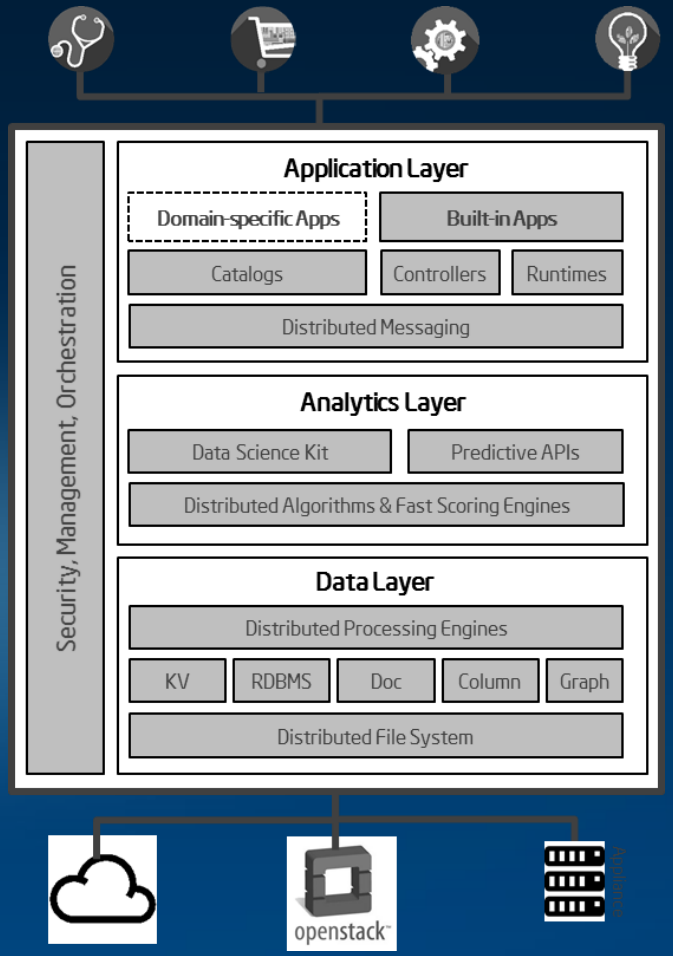
Together We Are on the Path to Achieving Breakthroughs

TRUSTED ANALYTICS PLATFORM

Open source software project that accelerates creation of cloud native apps driven by big data analytics.

TAP makes it easier for developers to **collaborate** with data scientists by providing a shared environment for advanced analytics on big data.

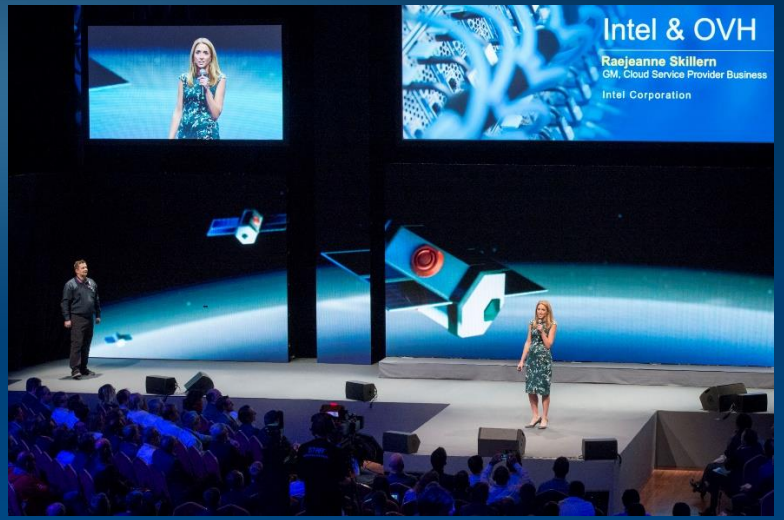
trustedanalytics.org



DELIVERING REAL WORLD BIG DATA DEPLOYMENTS

Established a big data lab in Europe to deliver real-world trials at the Teratec science and technology park near Paris.

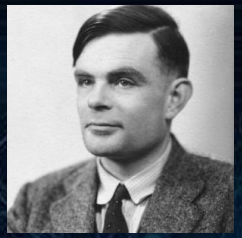
Incorporating innovative capabilities together with partners to unlock intelligence from big data.



Pathfinding: Aligned Research

Bringing together researchers and developers to jointly mature technologies for inclusion in a product intercept

THE ALAN TURING INSTITUTE & INTEL JOIN FORCES ON BIG DATA



THE ALAN TURING INSTITUTE

"It looks like a winner all round; as well as all the big data stuff, the duo will also take on a number of students and lead them through the Alan Turing Institute's doctoral programme"

EPSRC
Engineering and Physical Sciences Research Council

THE UNIVERSITY of EDINBURGH

WARWICK
THE UNIVERSITY OF WARWICK

UNIVERSITY OF CAMBRIDGE

UNIVERSITY OF OXFORD

UCL

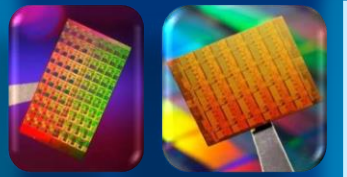
Invention to Innovation

10 Years of Measurable Intel Product Roadmap Impact

INVENTED@INTEL LABS

Light Peak

THUNDERBOLT™



Polaris & Single-chip Cloud Computer

intel inside™ Xeon® Phi™

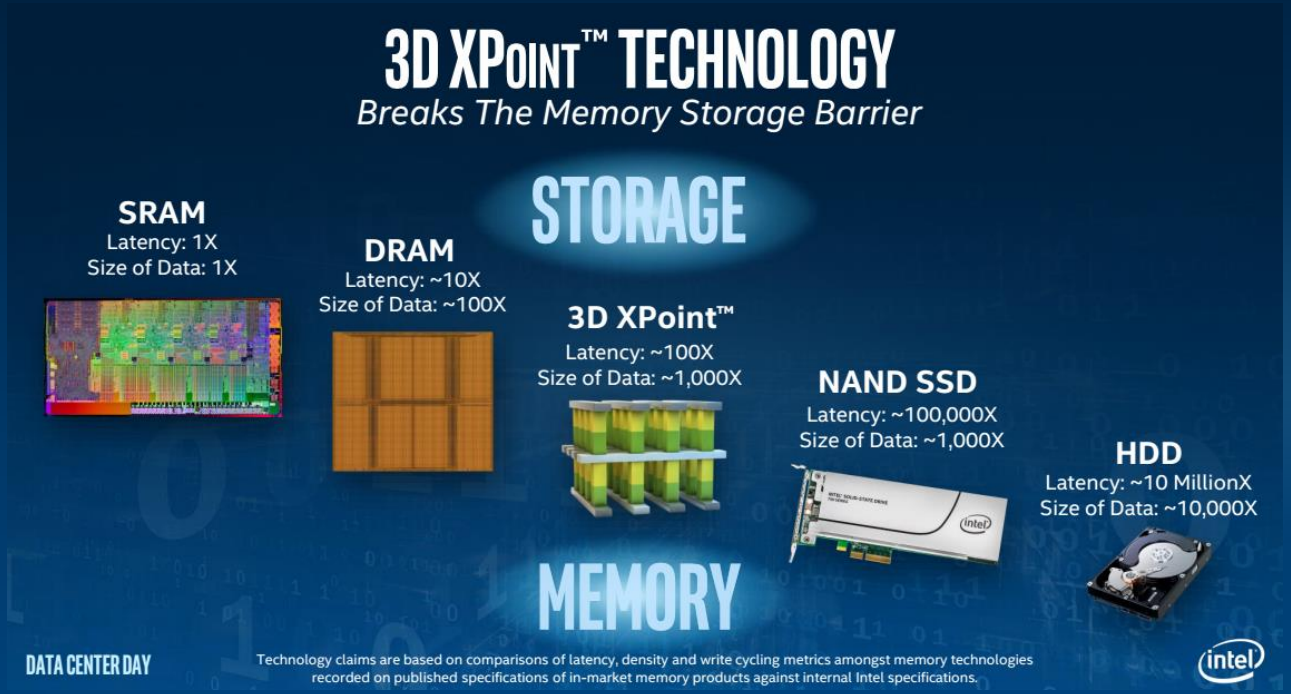
Platform Power Management

intel Atom™ inside™

See All Ten Hall of Fame Technologies at www.intel.com/research

INTEL PRODUCT INNOVATIONS

LOOKING FORWARD: MEMORY TECHNOLOGY AS KEY ENABLER



3D XPoint Technology is a transistor less cross point Architecture that is non-volatile which enables big memory

* Results have been estimated or simulated using internal analysis or architecture simulation or modeling, and provided to you for informational purposes. Any differences in your system hardware, software or configuration may affect your actual performance

intel

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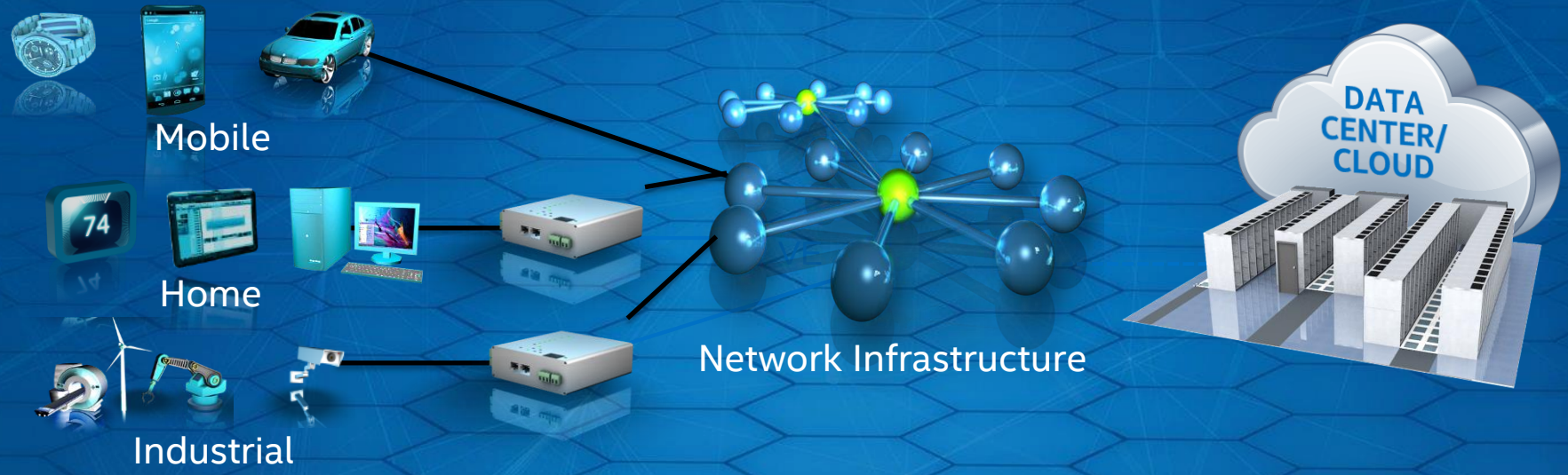

PERVASIVE COMPUTE

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intel
experience
what's inside™