



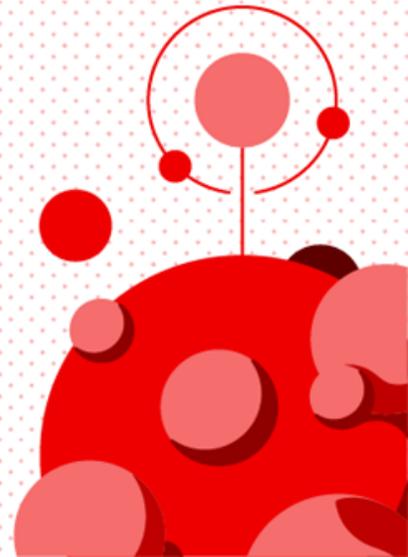
Open Tour

Connecting people and solutions
to accelerate your business

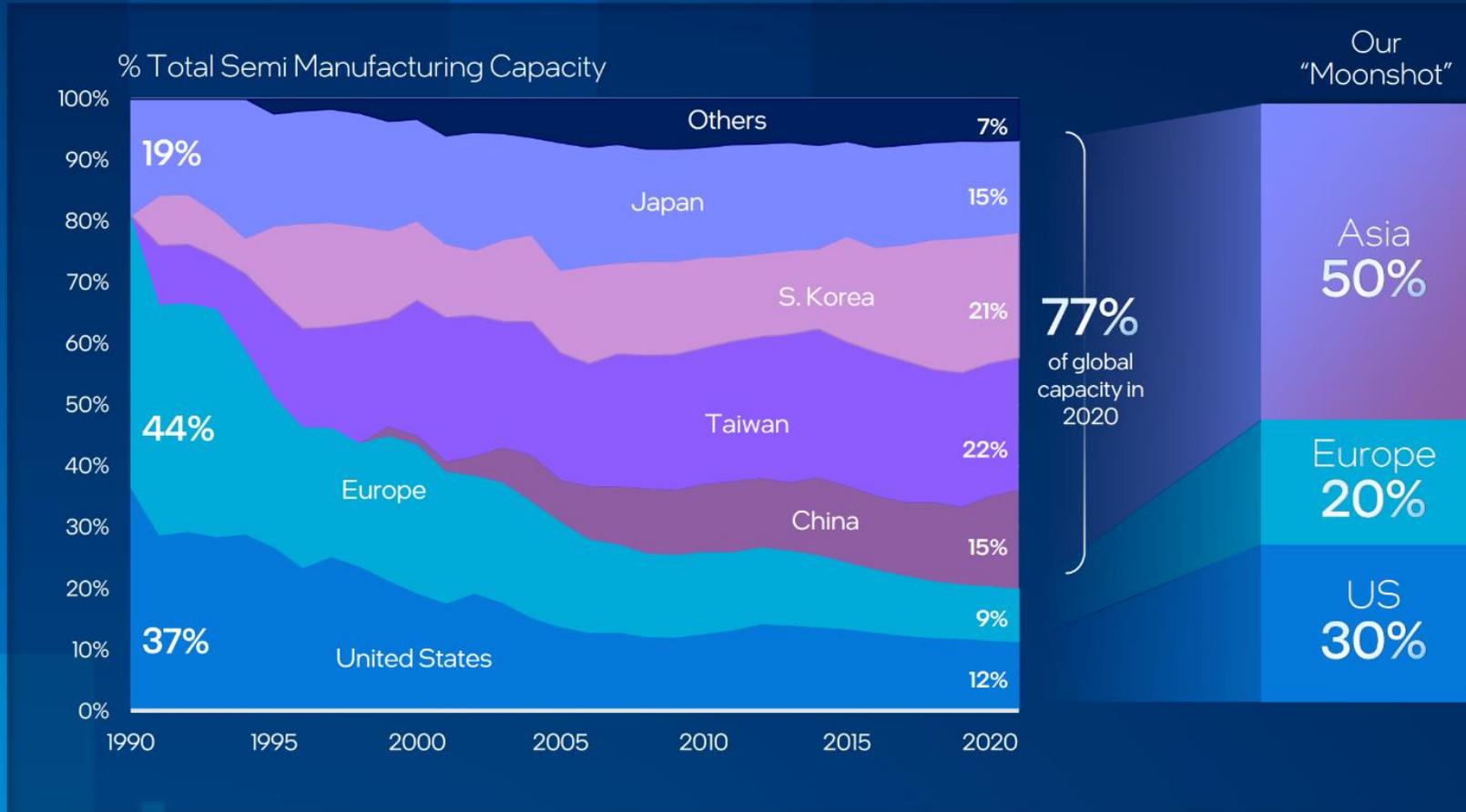


Johan Elfsson
Country Manager
Intel Sweden

Anders Hüge
Director Public Sector
Intel Sweden



The world needs more balanced and resilient supply chains



"These chips are a wonder of innovation and design that power so much of our country and enable so much of our modern lives to go on We need to make sure these supply chains are secure and reliable"

-Joe Biden, President of the United States

"It is not an exaggeration to say at the moment that we have a crisis in our supply chain... [it's] a national security risk and an economic security risk."

-Gina Raimondo, US Commerce Secretary, on CHIPS Act for America

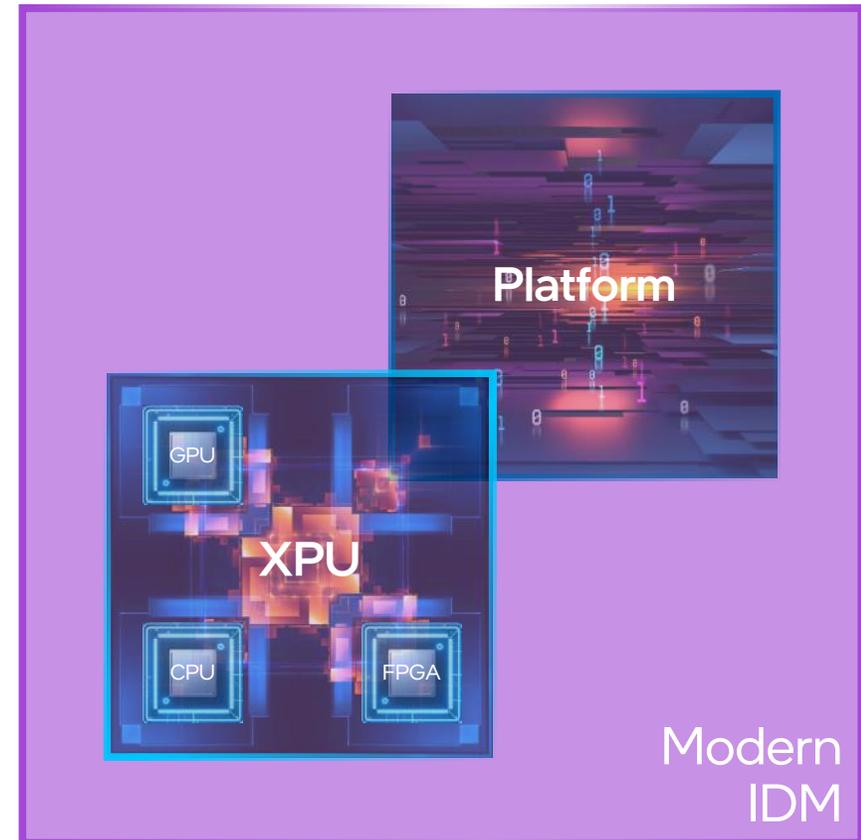
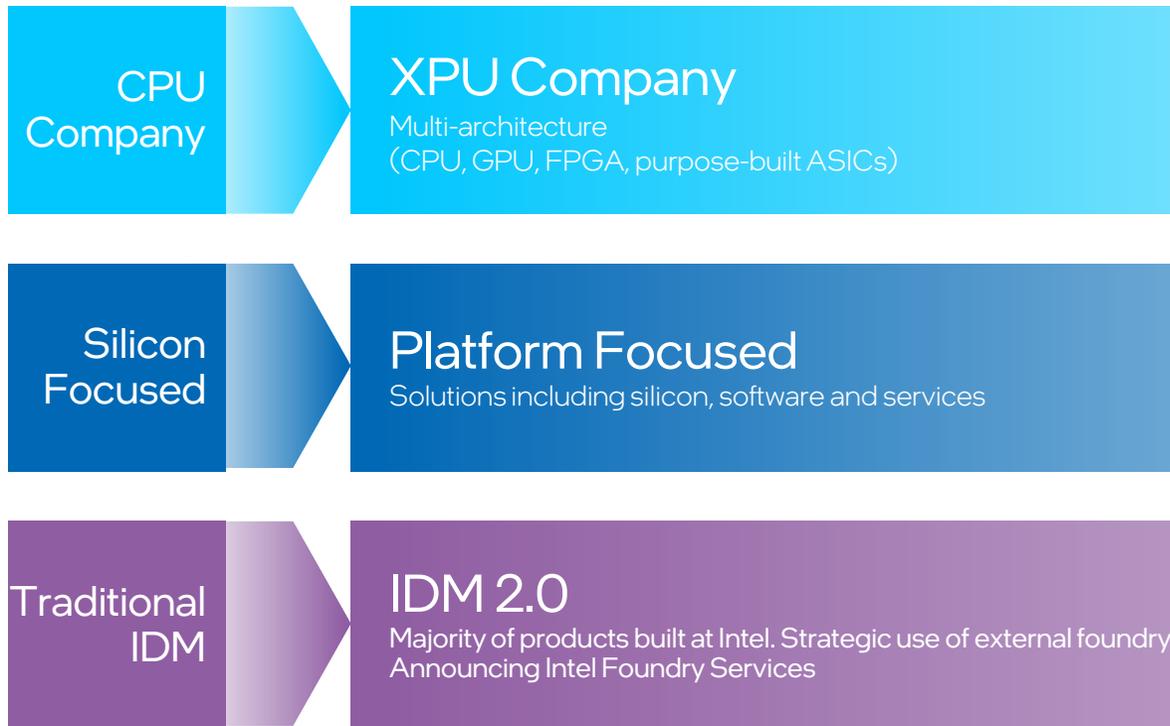
"The aim is to jointly create a state-of-the-art European chip ecosystem, including production. That ensures our security of supply and will develop new markets for ground-breaking European tech."

-Ursula von der Leyen, EU President, on the EU Chips Act

Source: BCG Report "Government Incentives and US competitiveness | semiconductor Manufacturing", Sept 2020

Intel's Transformation Journey

From a CPU-centered company to a multi-architecture XPU company



Delivering Leadership Manufacturing: IDM 2.0

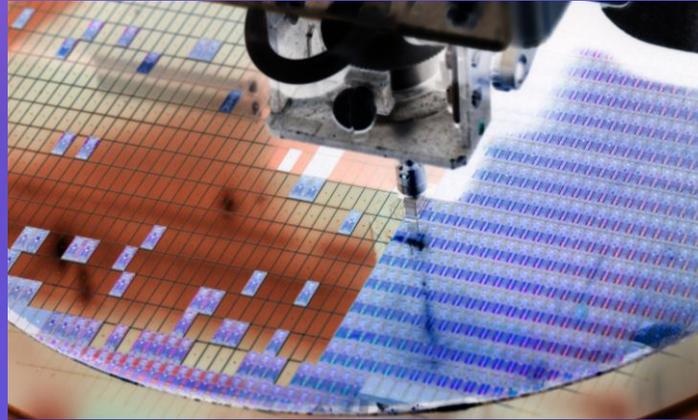
Product Leadership, Supply Resilience, Superior Cost

Internal Factory Network



Intel's global, internal factory network for at-scale manufacturing

External Foundries



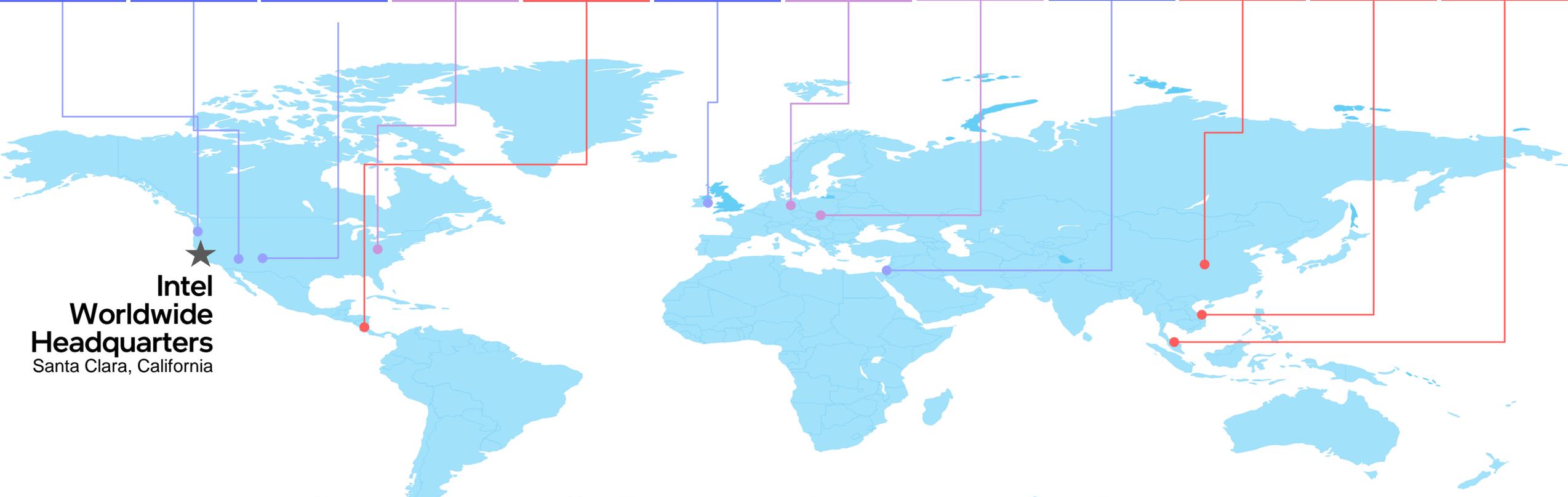
Expanded use of third-party foundry capacity

Intel Foundry



Building a world-class foundry business, Intel Foundry Services

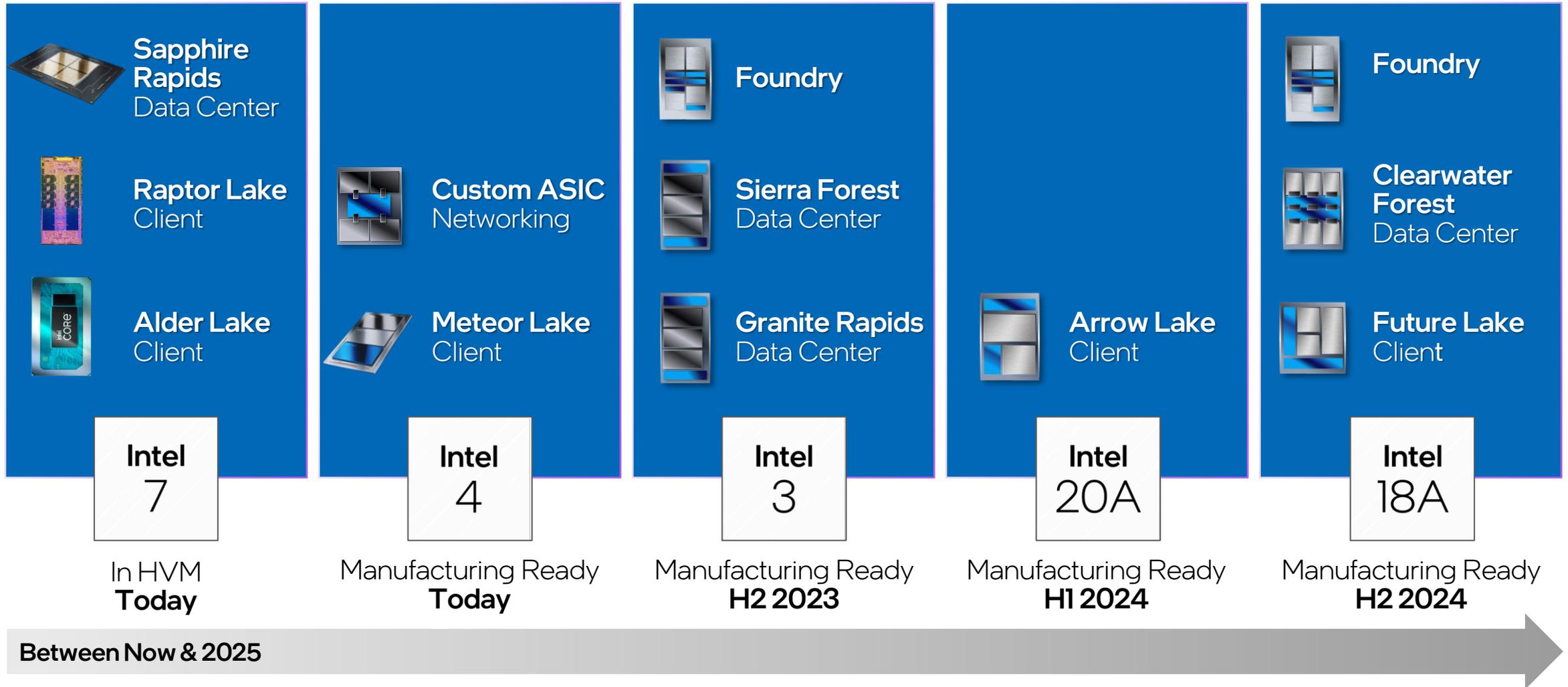
Leveraging Intel's leading-edge packaging & process technology & world-class IP portfolio



Geographically Diverse Manufacturing Capacity

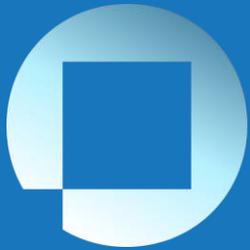
■ Wafer Fabs ■ Assembly & Test ■ Future Site

Intel & Moore's Law : Silicon Technology



* Select Products Shown. Based on internal estimates. Technology readiness timing does not necessarily indicate product production timing. Learn more at www.intel.com/PerformanceIndex.

Winning Developers and delivering better Products



Open.

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Choice.



Trust.

Enable Developers

Foster Choice

Build Confidential Compute

20

Years of
Investment
Across hundreds
of independent projects

#1

Linux Kernel
Corporate Contributor
since 2007¹

120+

Intel
employed
maintainers

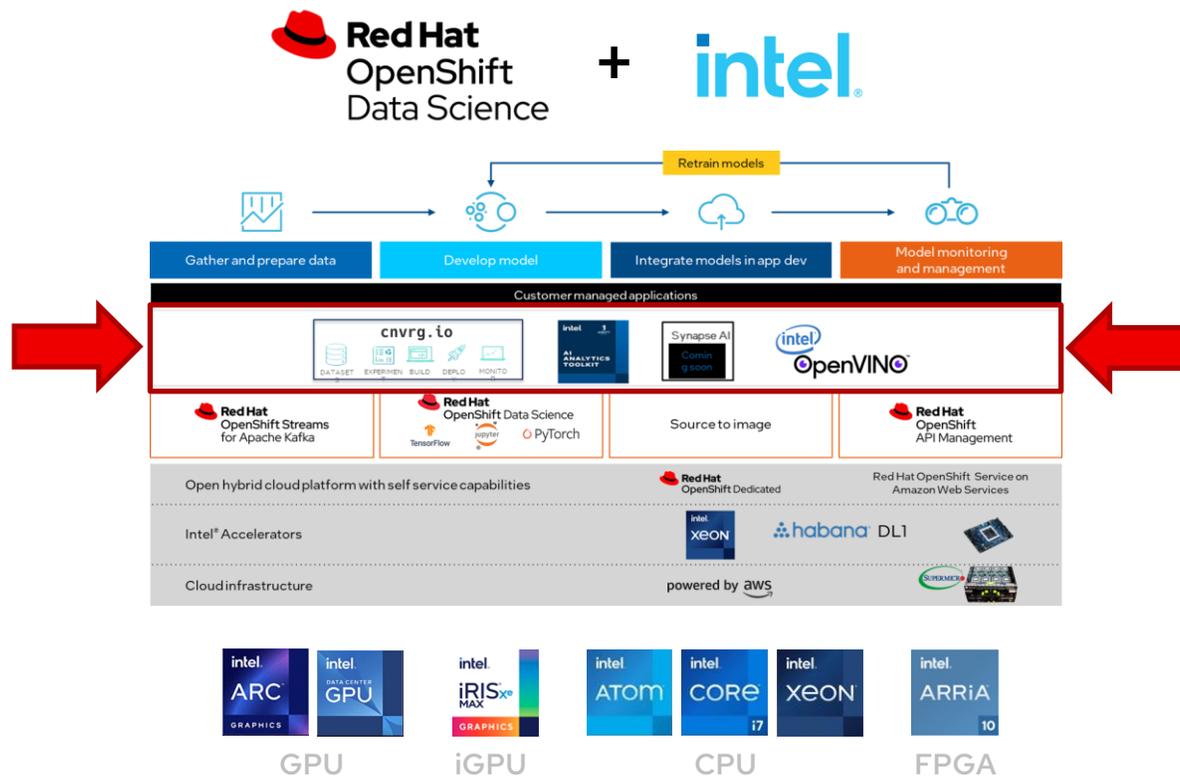
700+

GitHub
Projects

6

Architectures
supported in
oneAPI

Software Defined, Silicon Enhanced



- ▶ **Intel AI Analytics Toolkit** accelerates end-to-end ML and data analytics pipelines with frameworks and libraries optimized for Intel architectures
- ▶ **OpenVINO** toolkit accelerates edge-to-cloud, high-performance model inference
- ▶ **Cnvrg.io** extends Red Hat OpenShift Data Science enterprise-grade MLOps capabilities with out-of-the-box, end-to-end MLOps tooling



oneAPI

One Programming Model for Multiple Architectures and Vendors

Freedom to Make Your Best Choice

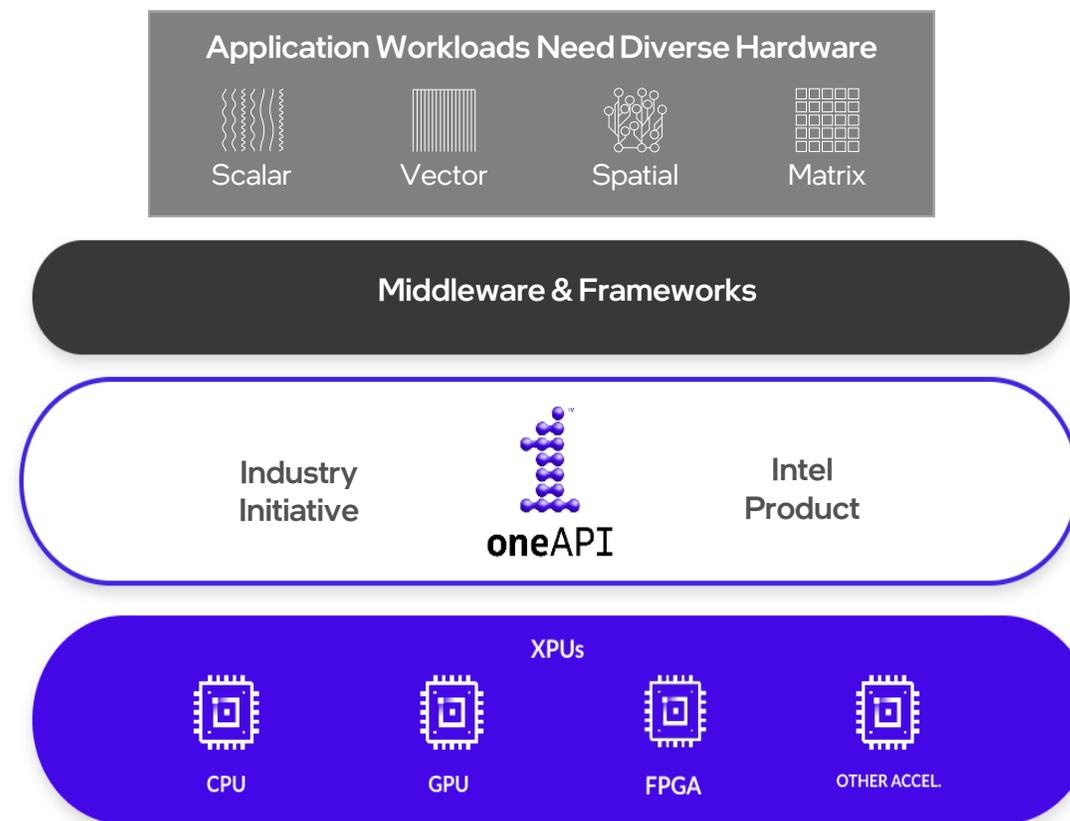
- ▶ Choose the best accelerated technology

Realize all the Hardware Value

- ▶ Performance across CPU, GPUs, FPGAs, and other accelerators

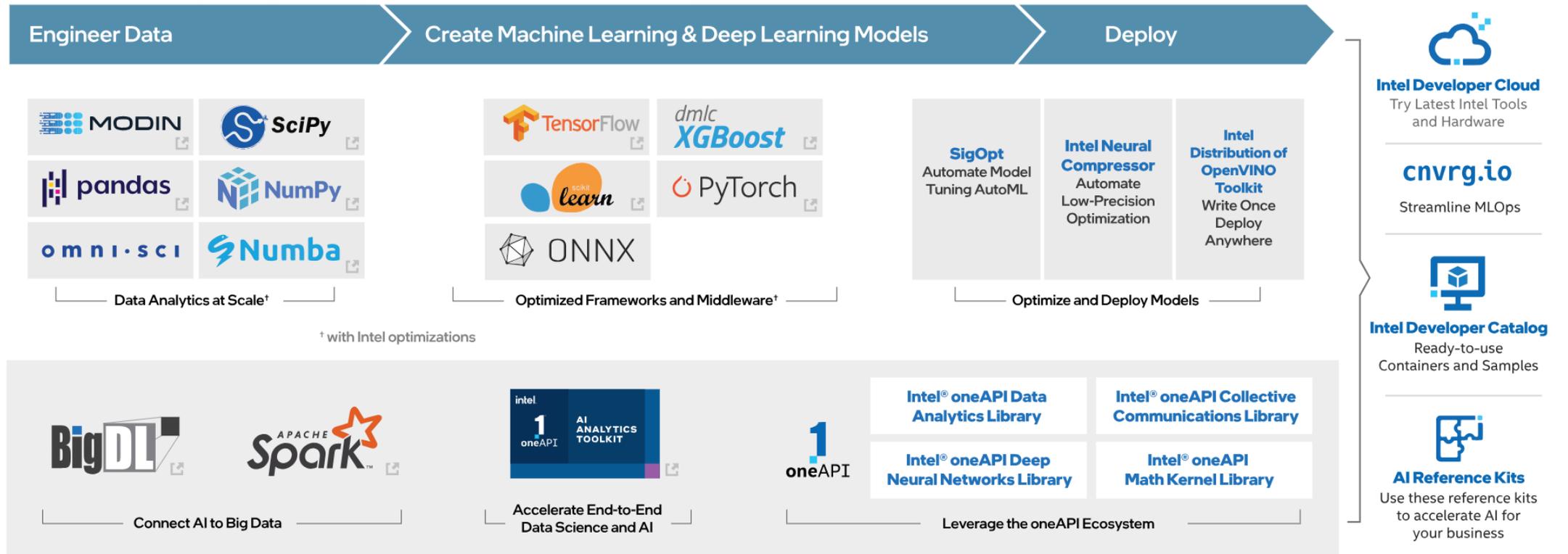
Develop & Deploy Software with Peace of Mind

- ▶ Open industry standards
- ▶ Compatible with existing languages and programming models including C, C++, Python, SYCL, OpenMP, Fortran, and MPI



AI & Machine Learning Developer Tools

Intel optimized development tools help you prepare, build, deploy, and scale your AI



DCAI Lab i Stockholm

Intel Operators: Greater Performance, Agility and Scalability

Take full advantage of the latest compute hardware

- ▶ Built into the architecture of Kubernetes
- ▶ Expand application functionality without a revision of the OS
- ▶ Build, migrate, and modernize applications using Intel memory, AI and analytics operators
- ▶ Seven validated Intel Operators for Red Hat OpenShift can be downloaded from the Red Hat Ecosystem Catalog

The screenshot displays the Red Hat OpenShift Software Catalog interface. The breadcrumb navigation shows 'Home > Software > Browse software'. The main heading is 'Software by INTEL CORPORATION for Red Hat OpenShift'. A search bar contains 'Intel' and a 'Search' button. Below the search bar, there are filter tabs for 'Deployment method', 'Operator', 'Provider', 'INTEL CORPORATION', 'Platform', and 'Red Hat OpenShift'. The results section shows '7 Results found' and 'Sort by: Relevance'. The results are displayed as a grid of operator cards, each with the Intel logo and a brief description of the operator's function.

Operator Name	Provider	Description
Intel Operator for Intel® FPGA PAC N3000 (Programming)	INTEL CORPORATION	A collection of container images for programming Intel® FPGA PAC N3000 on OpenShift.
Intel Operator for Wireless FEC Accelerators	INTEL CORPORATION	A collection of container images for management of SR-IOV Forward Error Correction (FEC) resources...
OpenVINO™ Operator	INTEL CORPORATION	An Operator for OpenVINO™ that simplifies managing optimized deep learning inference at scale in...
Intel® oneAPI AI Analytics Toolkit Operator	INTEL CORPORATION	This Intel oneAPI Toolkit Operator provides a comprehensive set of interoperable AI software tools...
Intel® Optane™ PMem CSI Operator	INTEL CORPORATION	An OpenShift Operator for Intel® Optane™ Persistent Memory (PMem) CSI driver (a CSI storage driver...
Intel® Device Plugins Operator	INTEL CORPORATION	Intel Device Plugins Operator is a Kubernetes custom controller whose goal is to serve the...
Intel® Ethernet Operator	INTEL CORPORATION	The role of the Intel Ethernet Operator is to orchestrate and manage the configuration of the...

Intel® AI Engines for Intel® Xeon® CPUs

Boost the performance of the entire AI pipeline

Intel® AI Engines

Intel® Advanced Matrix Extensions (Intel® AMX)
Intel® Advanced Vector Extensions 512 (Intel® AVX-512)

Intel® Security Engines

Intel® Software Guard Extensions (Intel® SGX)
Intel® Trust Domain Extensions (Intel® TDX)
Intel® Crypto Acceleration

Intel® HPC Engines

Intel® Advanced Vector Extensions 512 (Intel® AVX-512)
Intel® Advanced Matrix Extensions (Intel® AMX)
Intel® Data Streaming Accelerator (Intel® DSA)

Intel® Network Engines

Intel® QuickAssist Technology (Intel® QAT)
Intel® vRAN Boost
Intel® Dynamic Load Balancer (Intel® DLB)

Intel® Analytics Engines

Intel® In-Memory Analytics Accelerator (Intel® IAA)
Intel® Data Streaming Accelerator (Intel® DSA)
Intel® QuickAssist Technology (Intel® QAT)

Intel® Storage Engines

Intel® Data Streaming Accelerator (Intel® DSA)
Intel® QuickAssist Technology (Intel® QAT)
Intel® Volume Management Device (Intel® VMD)

Up to
10x higher

PyTorch performance for both
real-time inference and training
workloads with built-in Intel AMX
BF16 vs. prior generation with FP32²

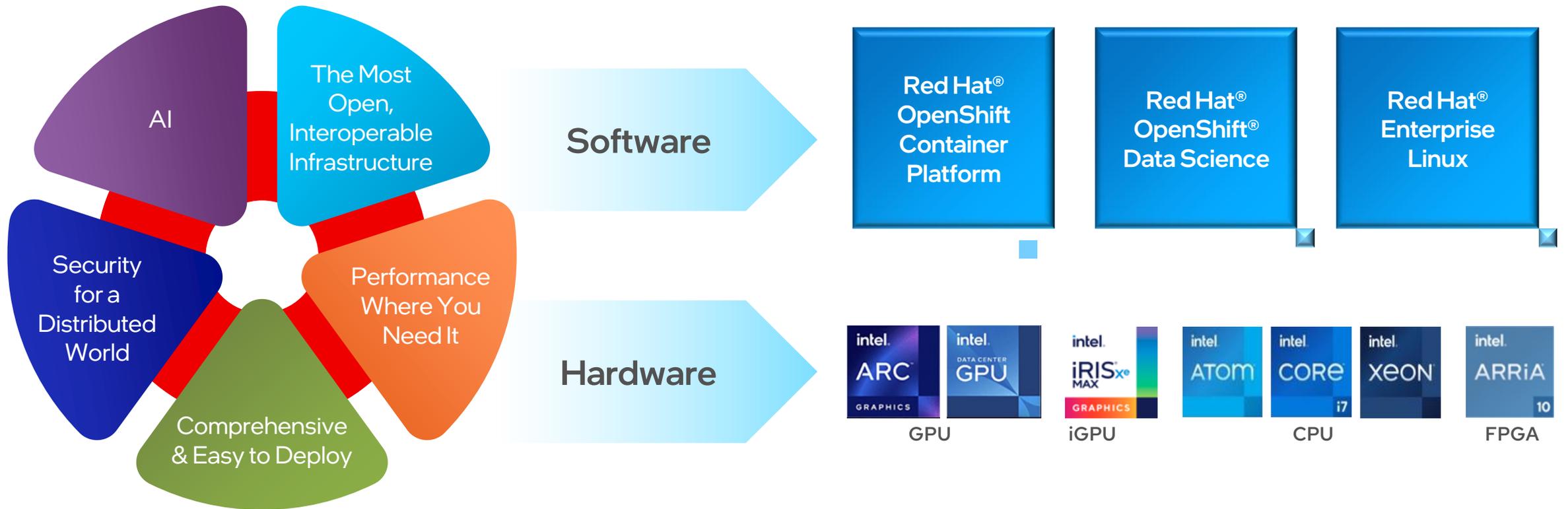
**Real-Time Inference
Performance**

Up to
6.2x higher

real-time Natural Language
Processing inference performance
(BERT) on 4th Gen Intel Xeon
Platinum 8480+ with Intel AMX
BF16 vs. prior generation with FP32³

A New Digital Infrastructure Tailored for You

The Intel® solution for Red Hat OpenShift Container Platform scales for today & tomorrow



Software Defined, Silicon Enhanced

▶ Let's get started

- [Intel Ecosystem Developer Resources website: Red Hat](#)
- [Intel and Red Hat developer program](#)
- [Intel Developer Zone](#)
- [Intel AI Developer zone](#)

Software Defined, Silicon Enhanced



over

25

Years of
Partnership

Thank
you!