



Cloud: Behind the scene!

Laurent VERDIER: EMEA CTO for Financial Services Industry

EBF Conference, Brussels July 9th 2019

2014



2017



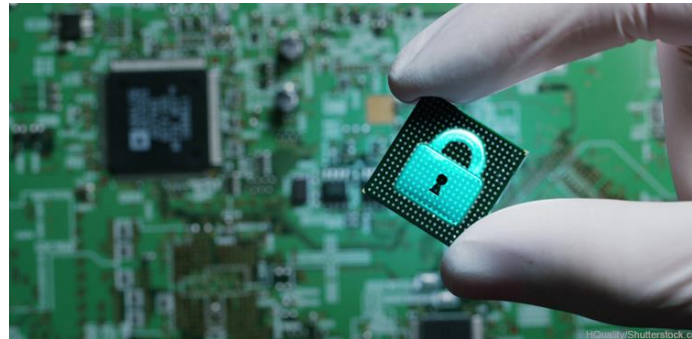


Hardware (GPU, FPGA, Storage)

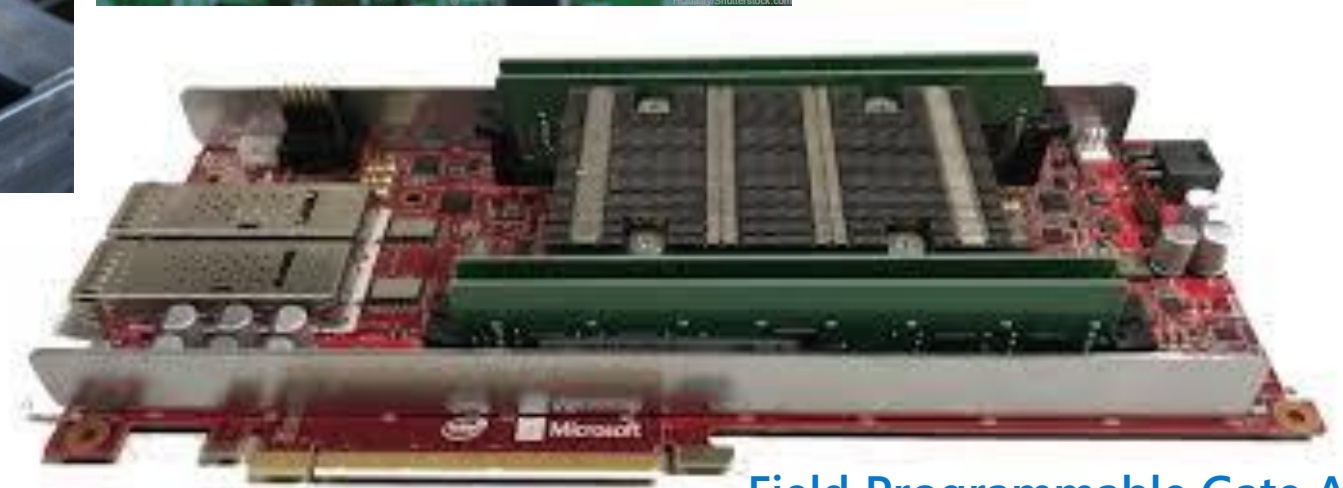
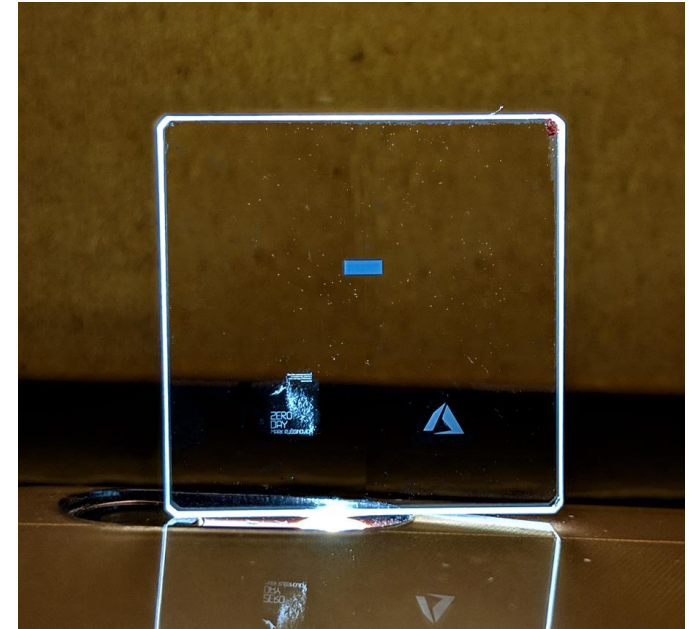


GPU processors

Secured Computing



Data stored in quartz glass



Field Programmable Gate Array



Empowering the quantum revolution

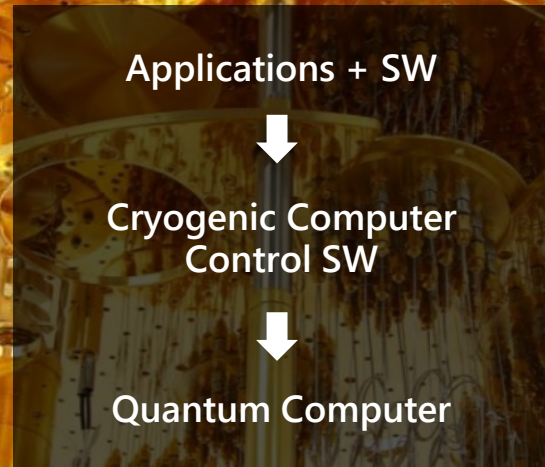
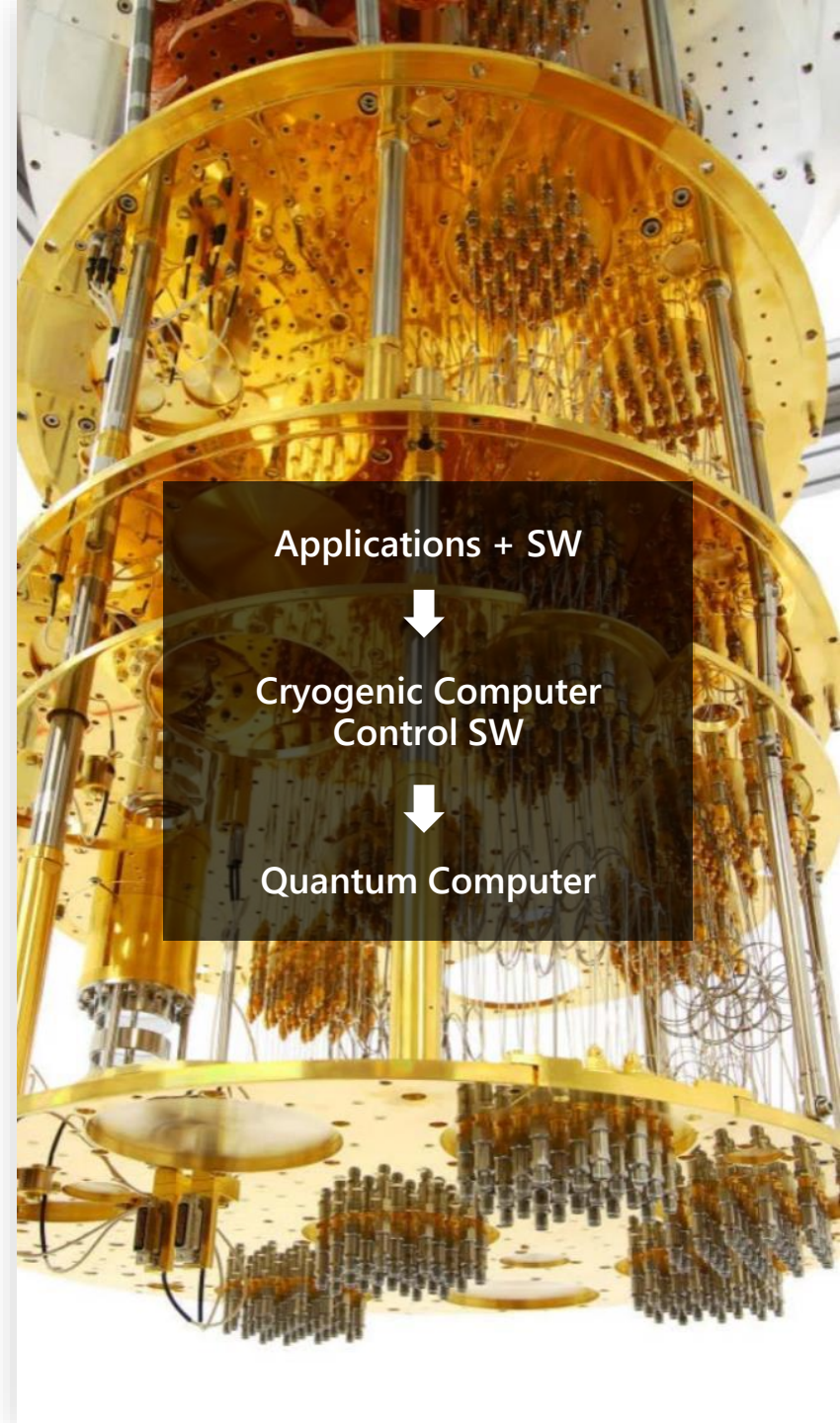
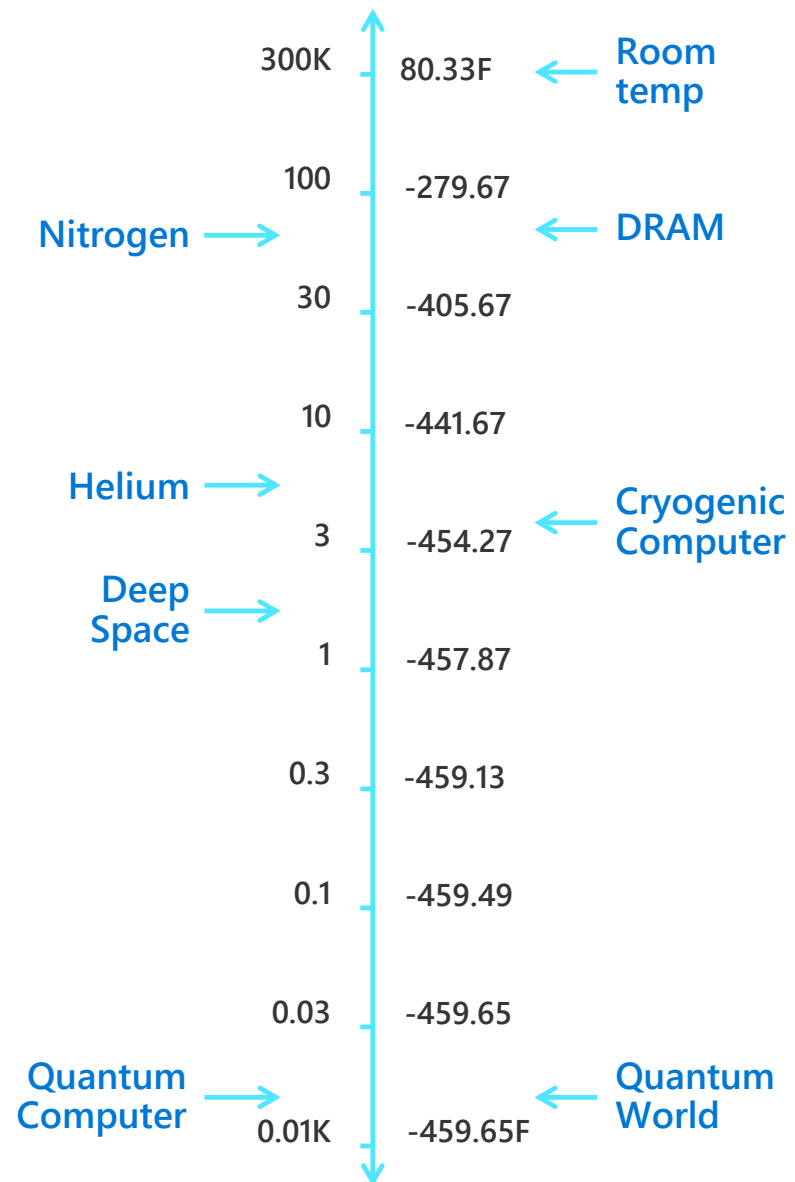
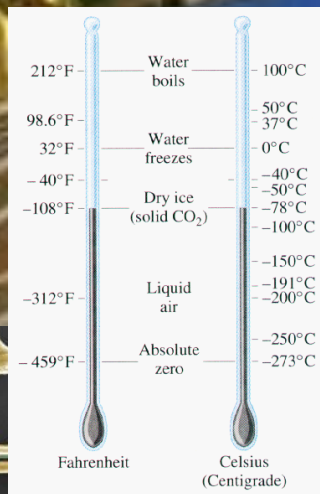
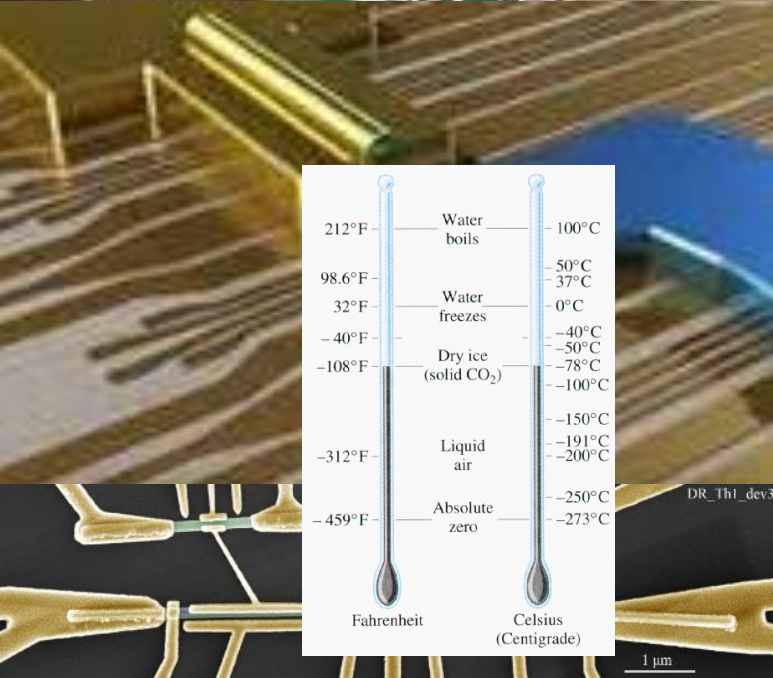
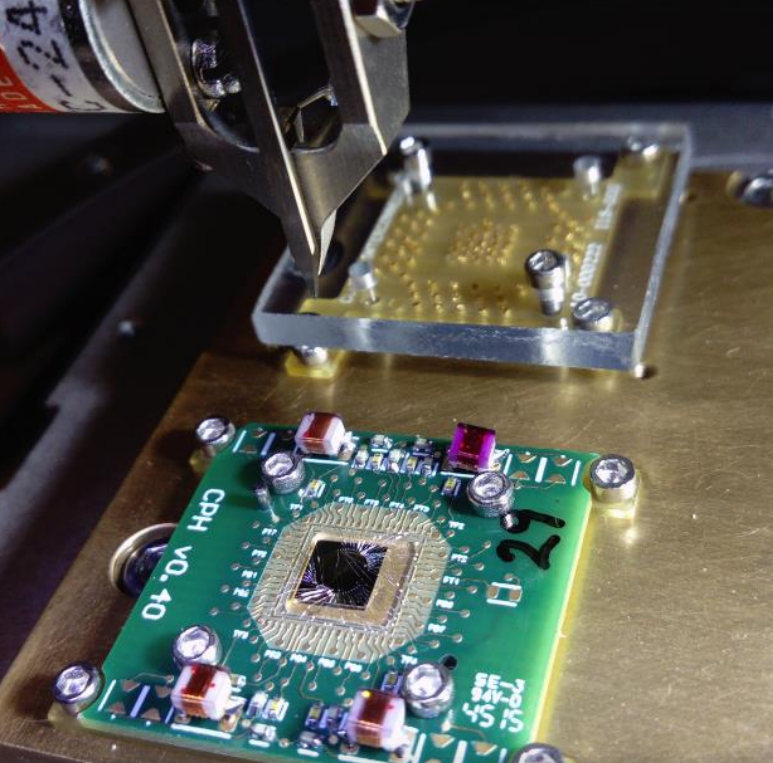
Your path to powerful, scalable quantum computing starts here.

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Quantum computing takes a giant leap forward from today's technology—one that will forever alter our economic, industrial, academic, and societal landscape. In just hours or days, a quantum computer can solve complex problems that would otherwise take billions of years for today's computers to solve. This has massive implications for research in healthcare, energy, environmental systems, smart materials, and more. From hardware to software, from development through deployment, Microsoft brings the only scalable quantum system to the broadest set of customers.

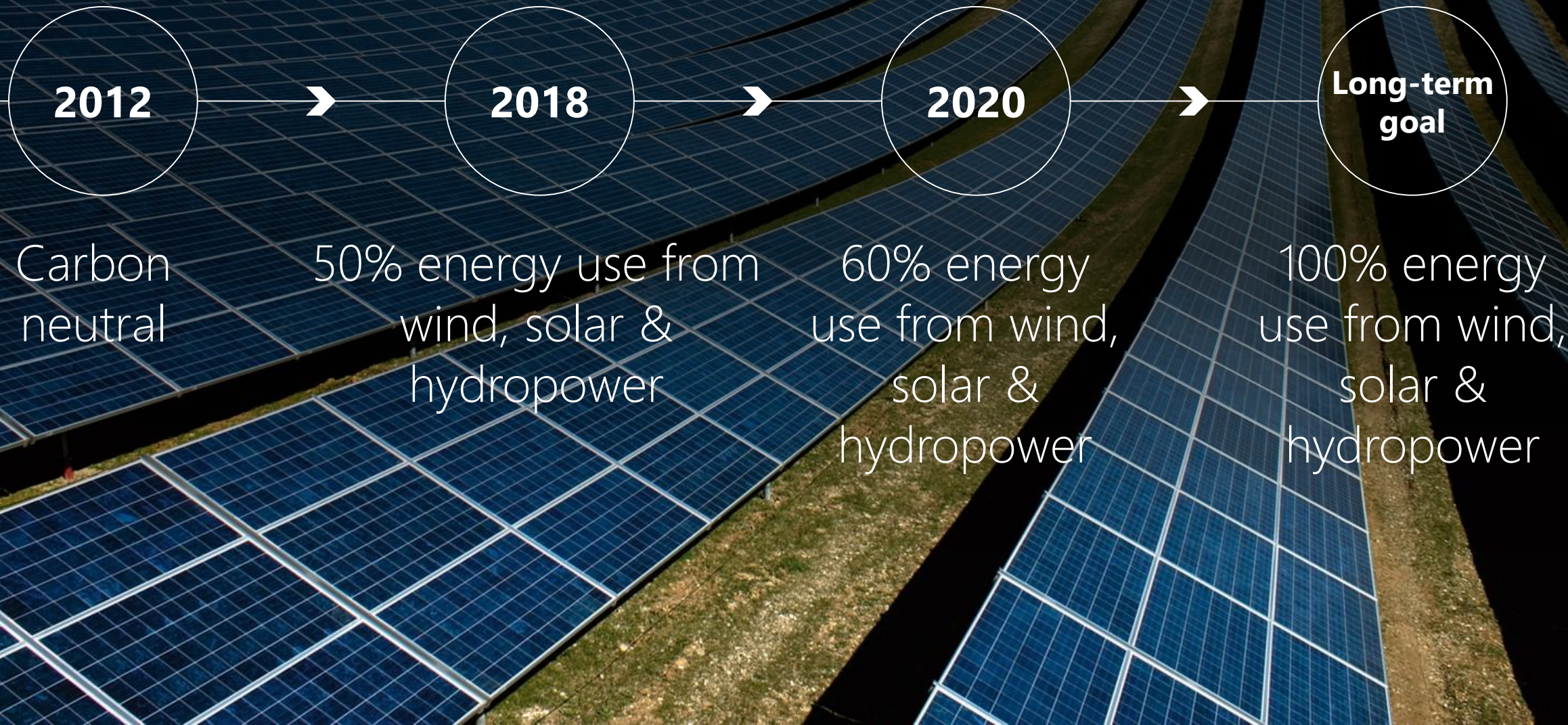
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Advancing a sustainable future

Commitment to sustainability



Designing for resource efficiency

SITE SELECTION



**DESIGN &
CONSTRUCTION**



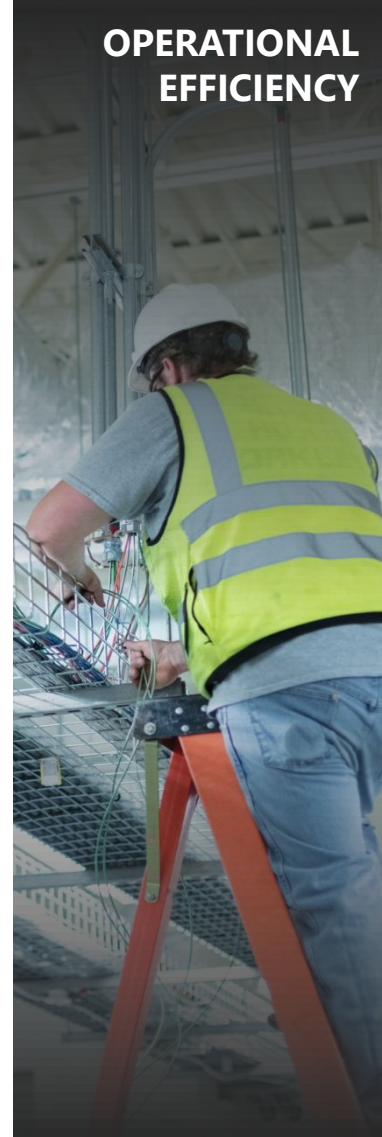
ENERGY



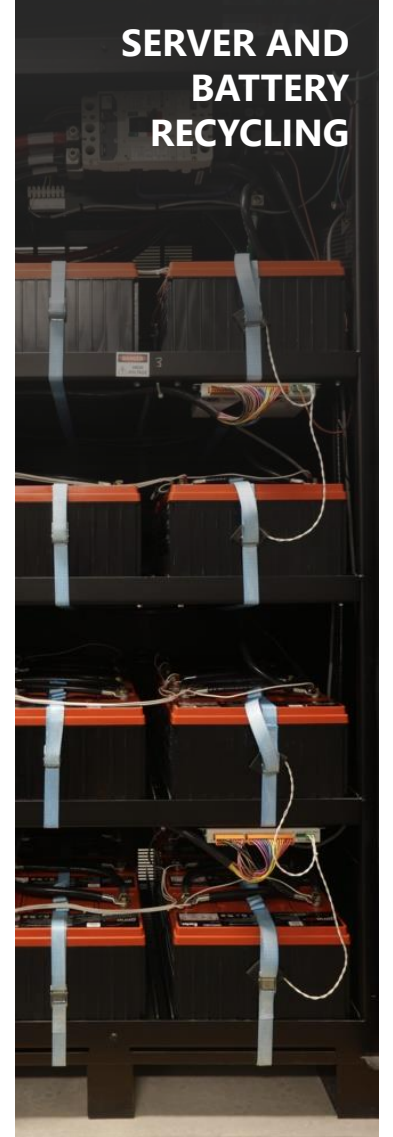
**COOLING &
WATER**



**OPERATIONAL
EFFICIENCY**



**SERVER AND
BATTERY
RECYCLING**



“ The first step in creating a safer internet must come from our own industry, the enterprises that create and operate the world's online technologies and infrastructure. ”

Brad Smith

President and Chief Legal Officer, Microsoft

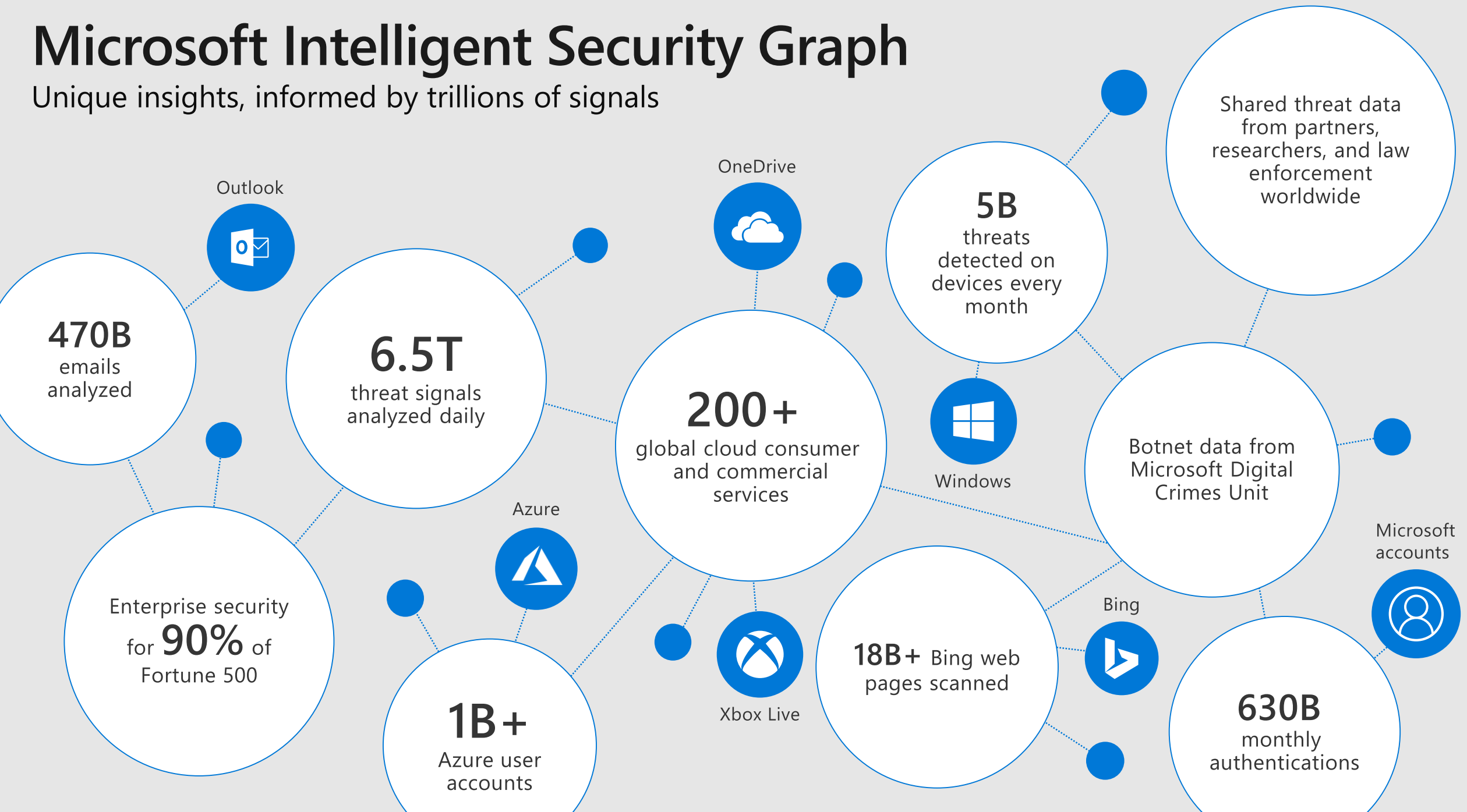


Cybersecurity Tech Accord

More than 60 global companies are working together to improve the security, stability and resilience of cyberspace.

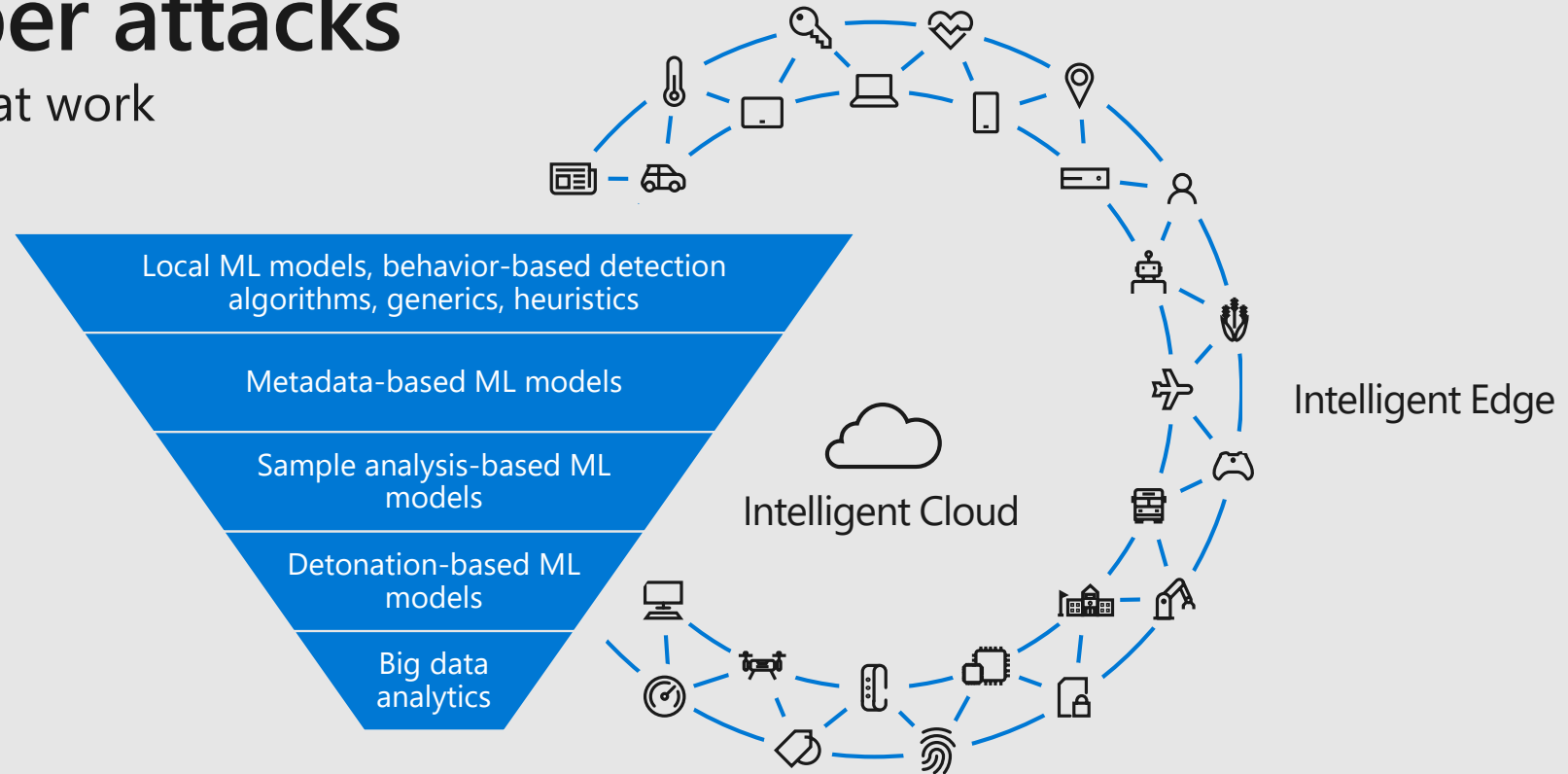
Microsoft Intelligent Security Graph

Unique insights, informed by trillions of signals



Stopping cyber attacks

Real-world intelligence at work



October 2017 – Cloud-based detonation ML models identified [Bad Rabbit](#), protecting users 14 minutes after the first encounter.

March 6 – Behavior-based detection algorithms blocked more than 400,000 instances of the [Dofoil](#) trojan.

February 3 – Client machine learning algorithms automatically stopped the malware attack [Emotet](#) in real time.

August 2018 – Cloud machine learning algorithms blocked a highly targeted campaign to deliver [Ursnif](#) malware to under 200 targets

2017

2018