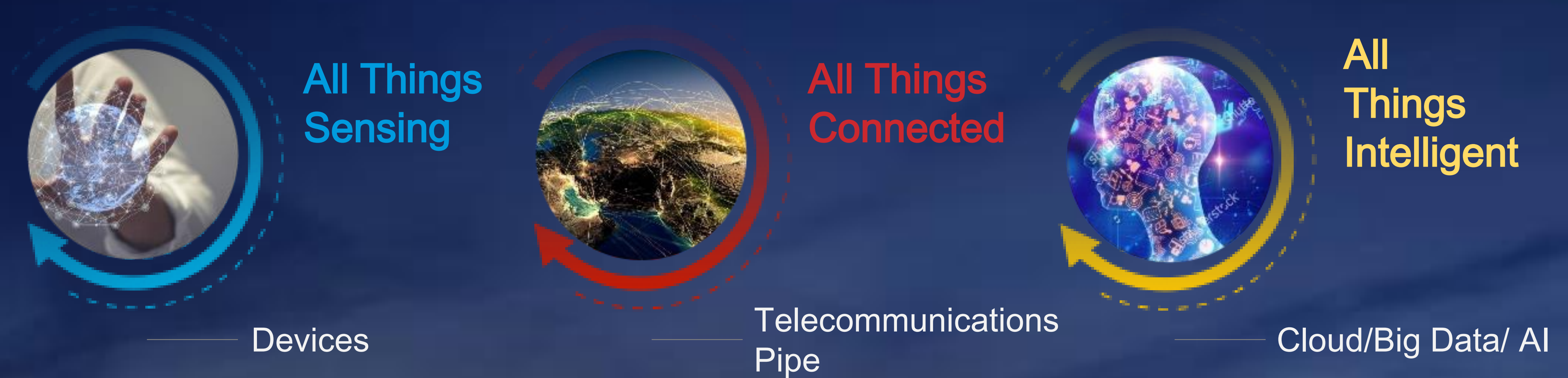




Elements For Cyber Security

We Are Entering An Intelligent World



The Next Five Years Will See The Advancement Of Digitisation Or As Some Are Calling It Industry 4.0. Real-time, On Demand. All Online, Do It-yourself And Social



Everything on Mobile



Everything Connected



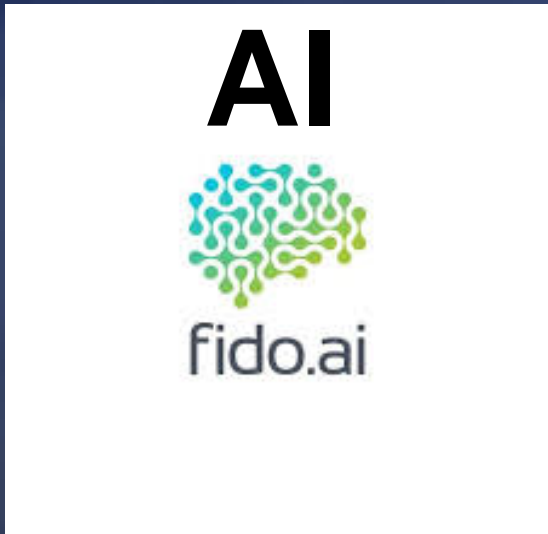
Everything Virtualized



A connected world is just a beginning

Next Wave of
Digital Society

What and Who Will Be The Next Challengers and Transformers



+



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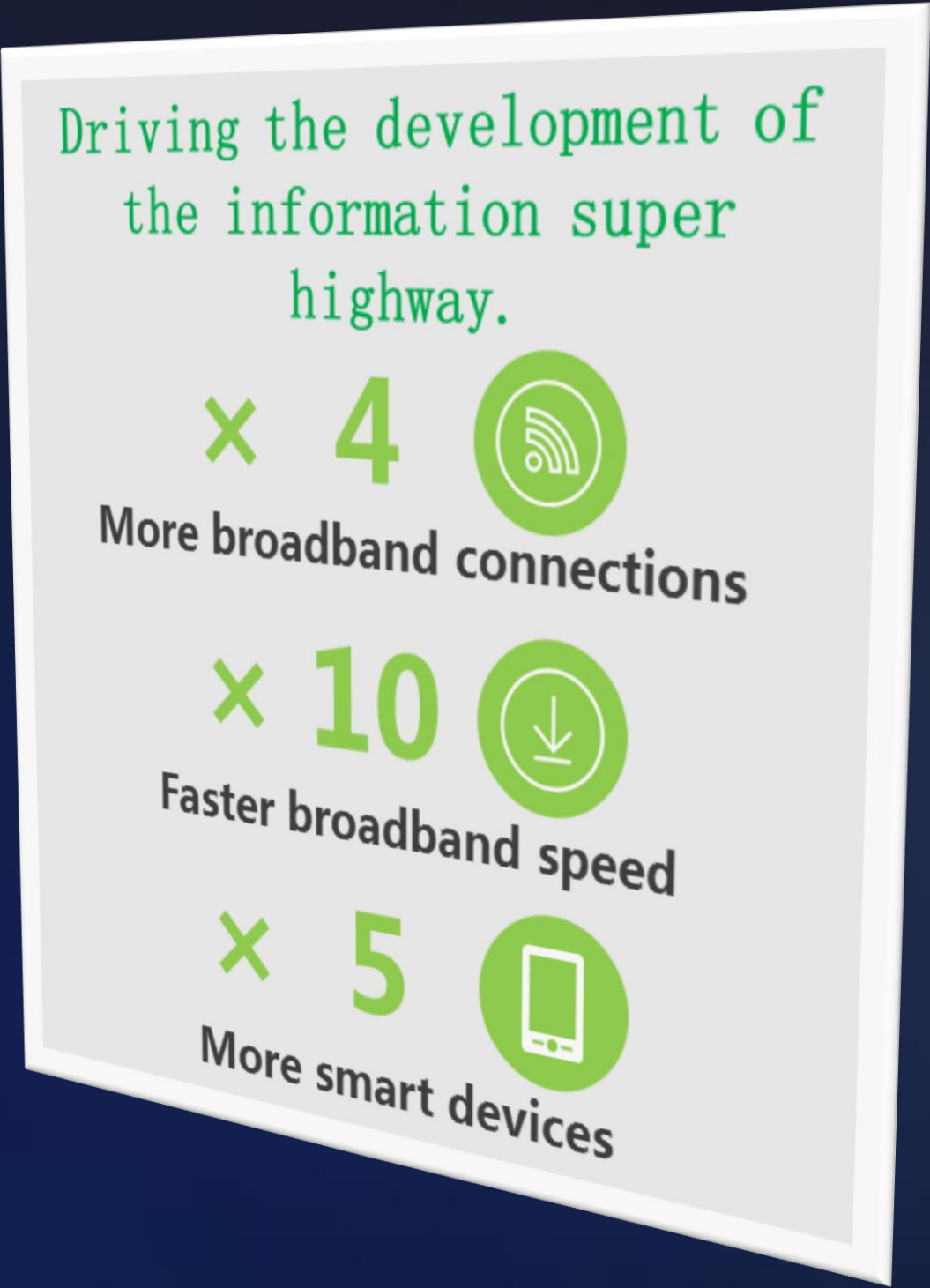
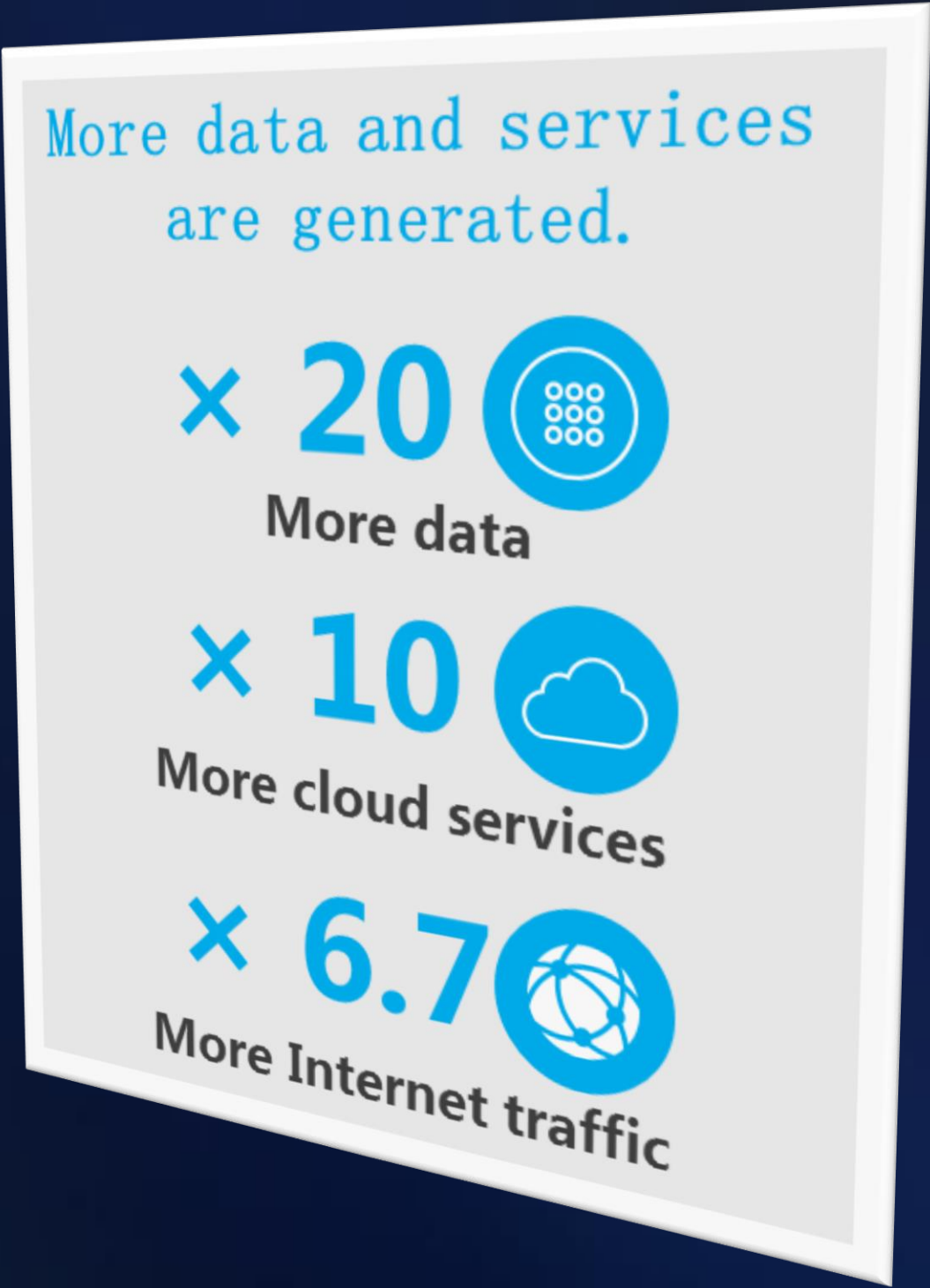
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It Doesn't Matter What Research You Look At, There Will Be More...



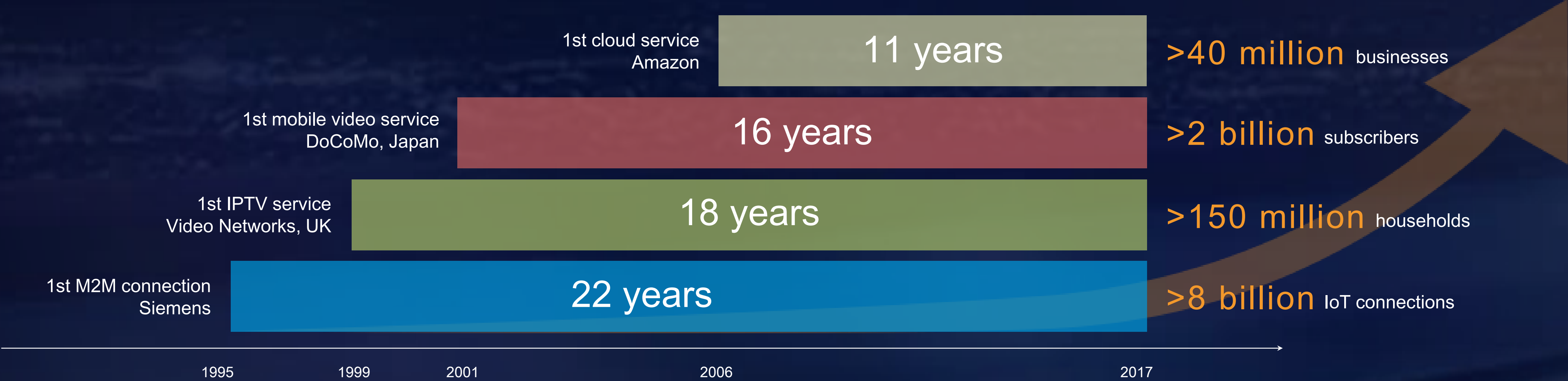
2012



2022

Source: Informa , IDC , Gartner , SA , OVUM, Huawei MI

An Inflection Point For New Growth Is Coming



From Smart To Intelligent: A Personal Assistant



You Call

with the device



1997
Feature Phone

The device
Enables you



2007
Smart Phone

The device
Understands you



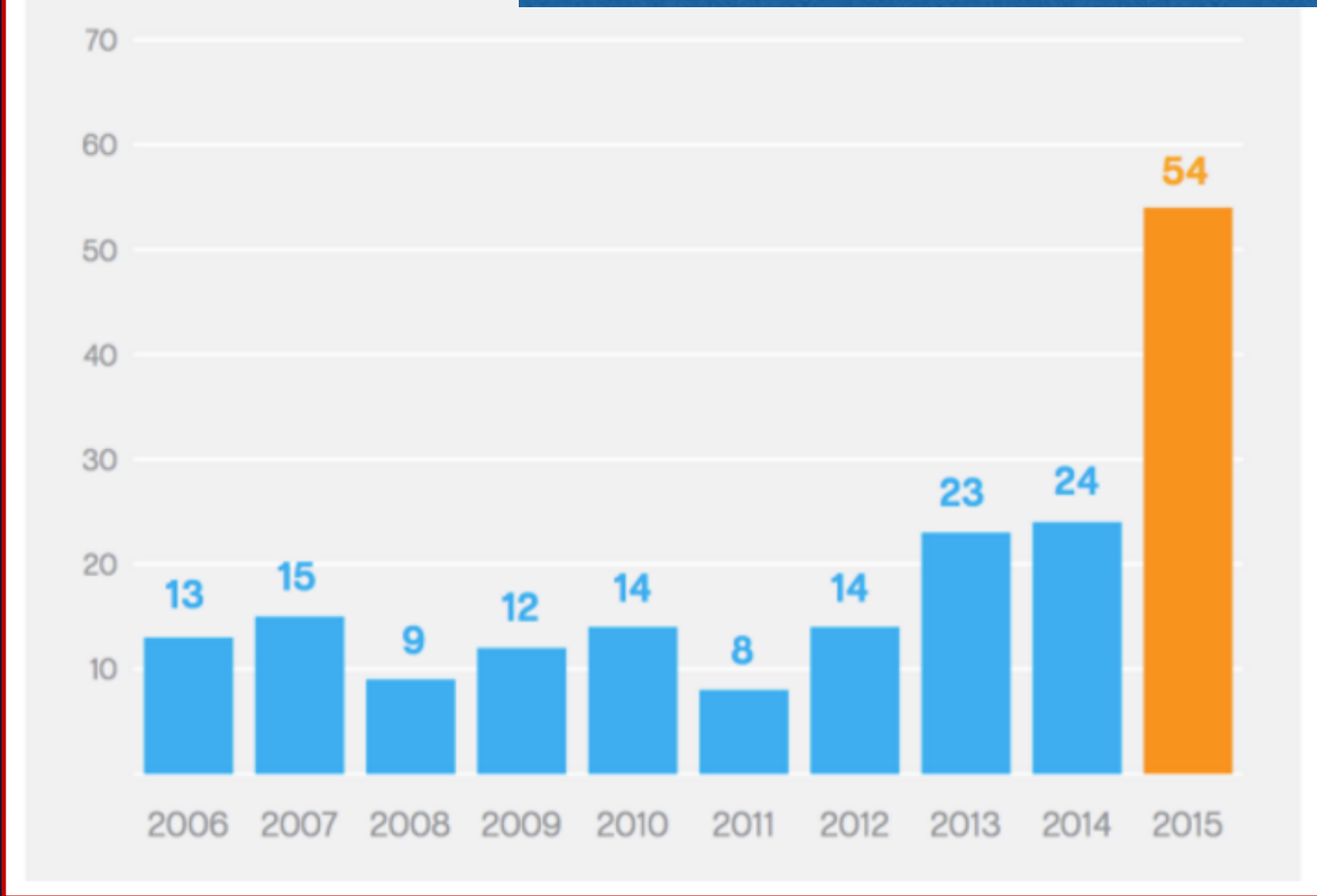
2017
Intelligent Phone

Magic

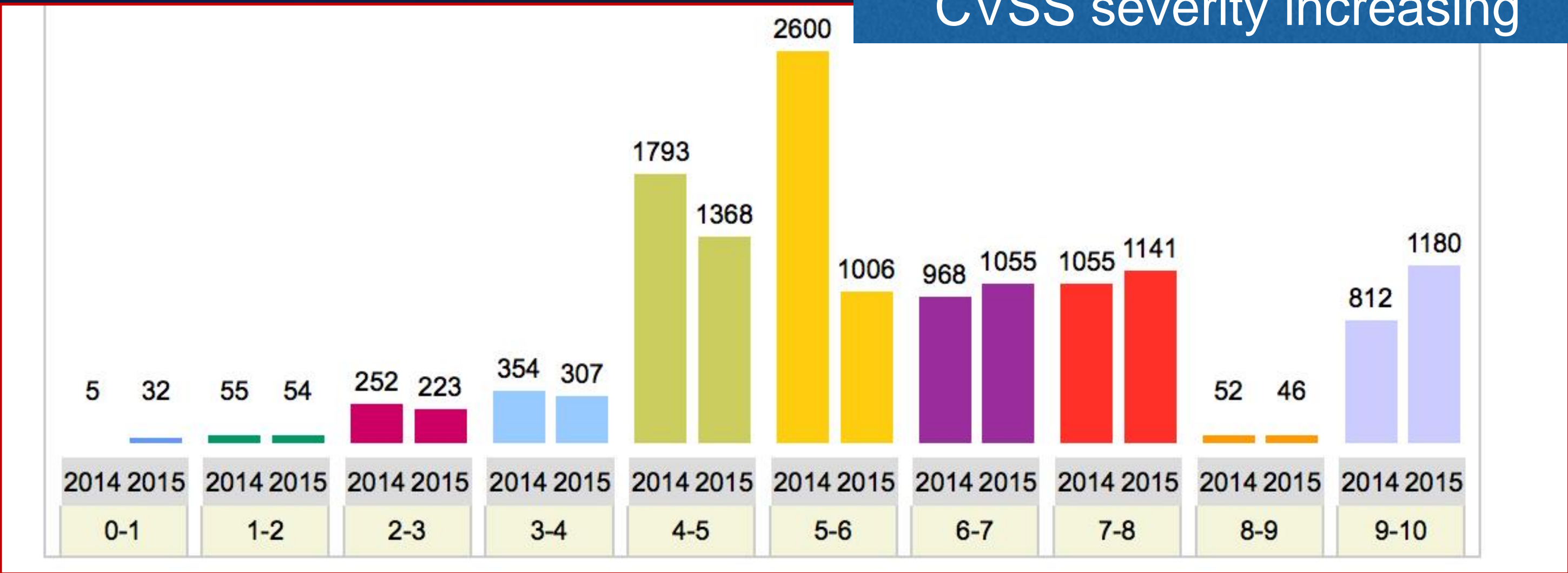
But What About Security ?



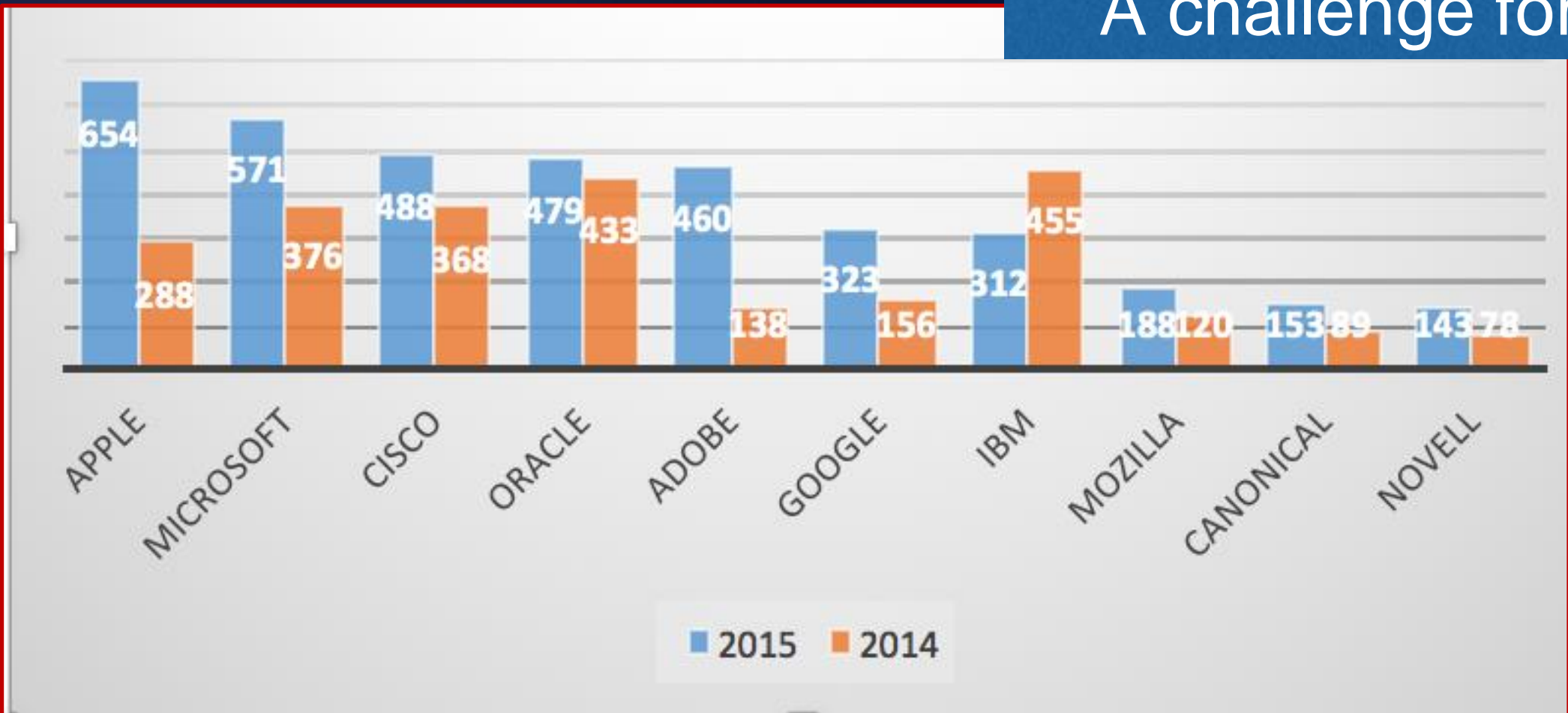
Zero days are increasing



CVSS severity increasing



A challenge for all vendors



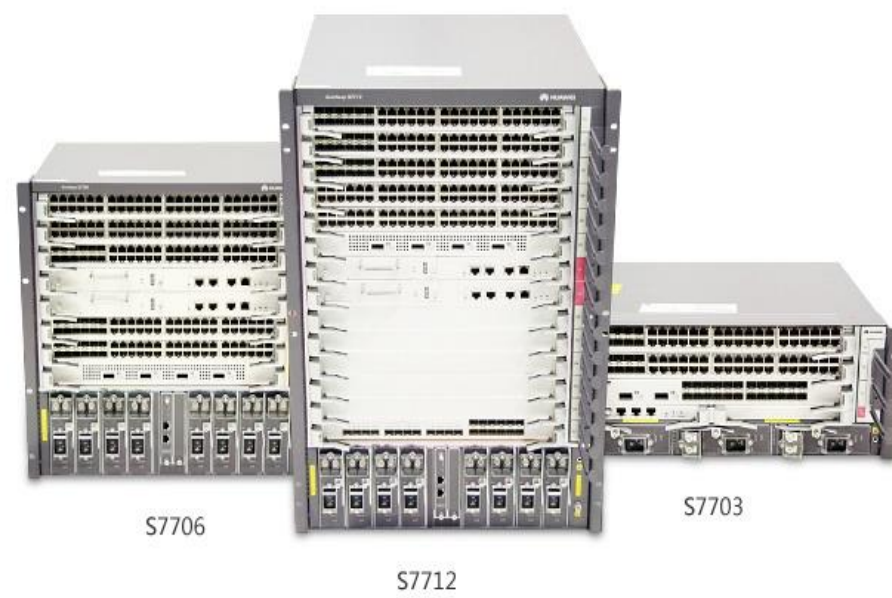
So What Are We To Do? How Can We Plan For A Future Where We Cannot Understand Everything?



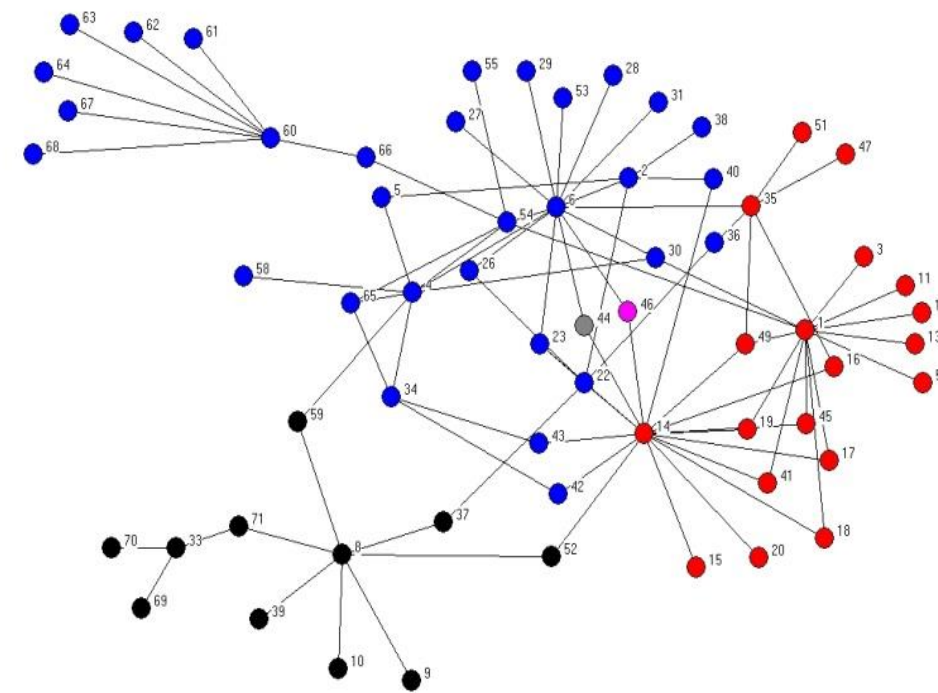
Whether A Buyer Or A Seller Of ICT We All Need To Take A Holistic View



Devices



Network Architecture



People



In Summary Every Part Of Huawei, And Every Person, Is Included In Our “Built-in” Strategy.



Area	Focus
Strategy, Governance and Control	Having an overall strategy and the accountability to make it happen
Standards and Processes	Using the best standards and approaches to protect against threats and risks
Laws and Regulations	Making your products and operations legally compliant in every country you operate in
Human Resources	Getting the right people, in the right roles with the right behaviour to limit insider issues
Research and Development	Designing, building, testing products in a secure way that builds on the above building blocks
Verification: Assume nothing, believe no one, check everything	Many eyes, many hands many checks. Tiered independent approach to security verification
Third-Party Supplier Management	Getting your suppliers to take security seriously – How do you know what is in the box?
Manufacturing	Manufacturing products that secure each step along the way – right through to delivery
Delivering Services Securely	Ensuring installation, service and support is secured. No tampering, fully auditable
Issue, Defect and Vulnerability Resolution	As issues arise, solving them quickly and ensuring customers technology is secured
Audit	Using rigorous audit mechanisms to ensure every part of your business conform to the strategy

In Summary



Technology will not wait on laws or standards. Innovation will not stop. Your competitors will not stop chasing you

You cannot forecast all of the future innovation and strategically plan with certainty, but you can plan for uncertainty

The conversations you have internally must be the same conversations you have externally. Externally with your suppliers, service providers and law makers.

By taking a holistic approach to cyber security and privacy whilst there is no guarantees of safety there is a substantially reduced risk profile to the unknowns that can cause harm



Thank You