



UK Conference AXA Framlington Global Technology AXA World Funds Metaverse

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AXA IM Equity
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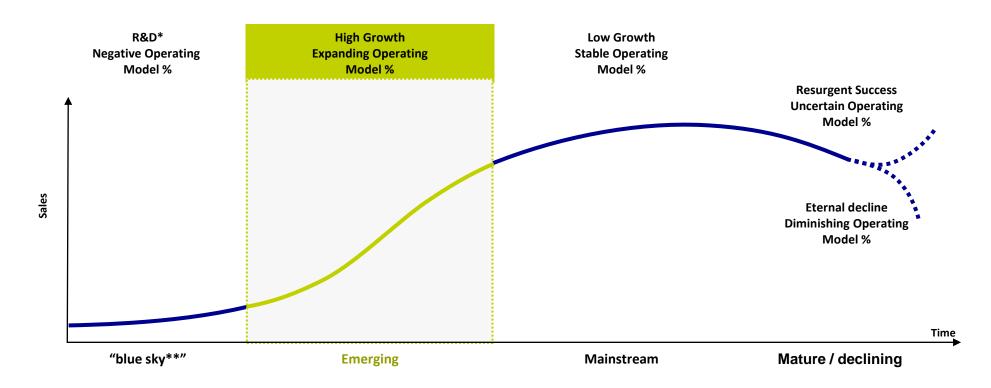
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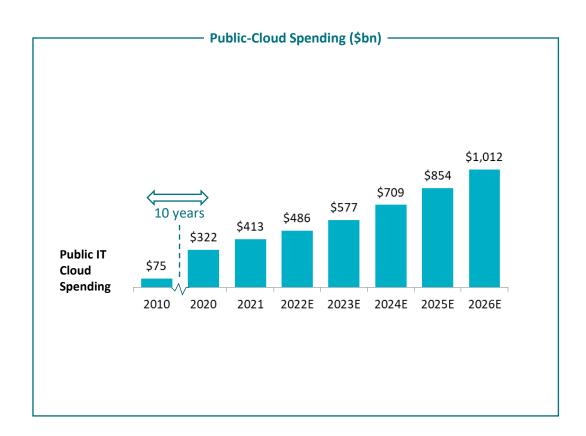
Investment philosophy

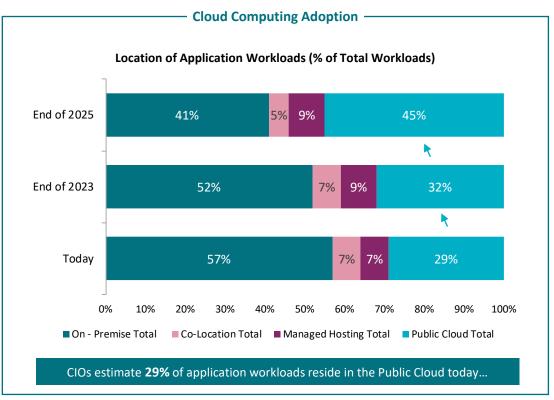
It takes new technological developments, in concept stage, far longer to be ready for mass distribution than initially expected. This is one of the reasons why new technology seems to disappoint in the early stages



When technology is ready to be commercially deployed, it tends to address a far larger market than initially anticipated

Example of a commercially successful technology – Cloud Computing





Source: AXA IM. LH chart: Source: Gartner, Forecast: Public Cloud Services, Worldwide, 2020-2026, 4Q22 Update - published 20/12/2022. Forecast: Public Cloud Services, Worldwide, 2010-2016, 2Q12 Update - 27/06/12. RH chart: AlphaWlse, Morgan Stanley Research, n=100 (US and EU data). Q2 2023 CIO Survey.

Themes Covered









What is artificial intelligence?

Artificial Intelligence



Use data sets to find underlying relationships



Mimic the decision making and problem-solving capabilities of the human mind.

Generative Artificial Intelligence



Uses deep-learning models



Create new text, images and other media/data types

Artificial Intelligence is being democratised....

We see two key drivers of the pace of change enabling the democratisation of AI

Natural Language Processing

The **technology that enables machines** to understand **human language** and produce **human-like dialogue and text.**

Cloud Computing

Public cloud operators offering services to build, manage, deploy and access AI applications in the cloud

Source: AXA IM for illustrative purposes only

Artificial Intelligence is being democratised....

Total Addressable Market

McKinsey & Company estimate **Generative**All could add the equivalent of \$2.6tn to
\$4.4tn annually to productivity.

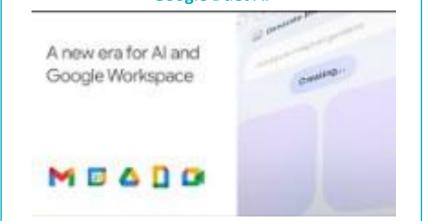
Google expects AI to 'touch every sector, every industry and every business function'

Use Cases

Adobe Firefly

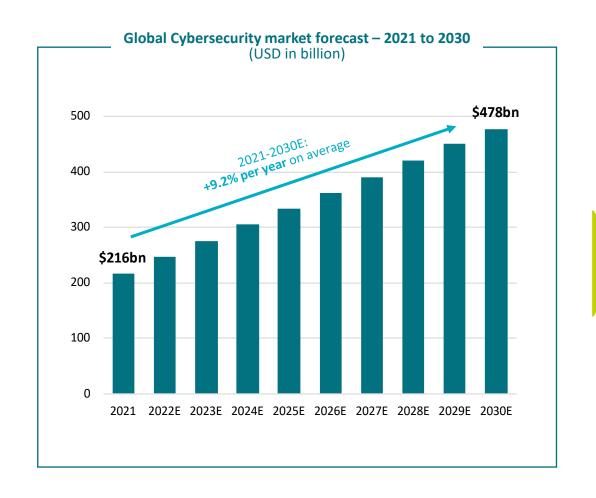


Google Duet Al



Source: AXA IM for illustrative purposes only

Cybersecurity



cyber Security

The **cost of cybercrime** will reach **\$10.5 trillion** a year in 2025 (1)

There were on average **270 attacks per company** in 2021, an **increase of 31%** compared with 2020 (2)

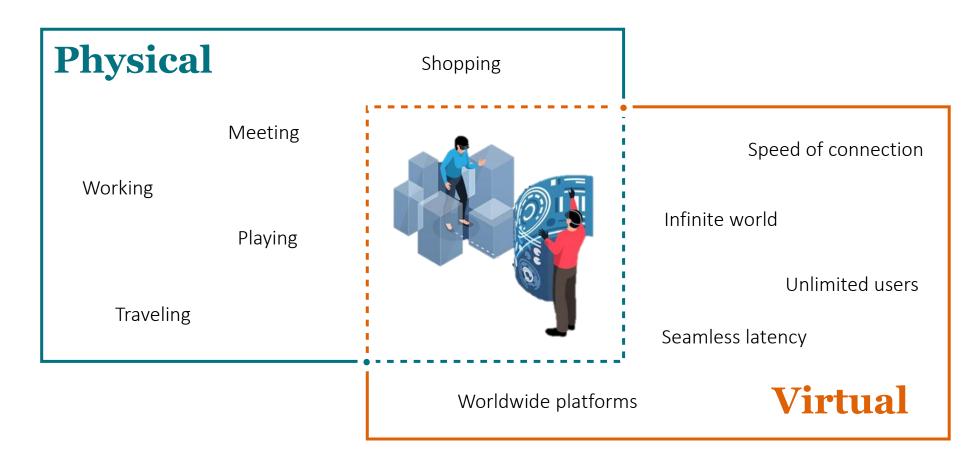
The average total cost of a data breach increased by nearly 10% year over year from \$3.86 million in 2020 to \$4.24 million in 2021 (3)

Source: LH Chart: Statista, Size of cyber security market worldwide from 2021 to 2030, November 2022. CYBER SECURITY: 1) McKinsey - Cybersecurity trends: Looking over the horizon, March 2022; (2) State of Cybersecurity Report 2021 | 4th Annual Report | Accenture; (3) Cost of a Data Breach Report 2021 (dataendure.com).

The Metaverse

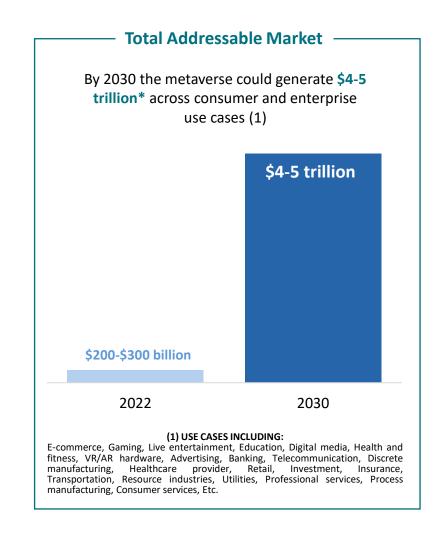
The gradual convergence of the digital and physical world

META [beyond] – **VERSE** [universe]

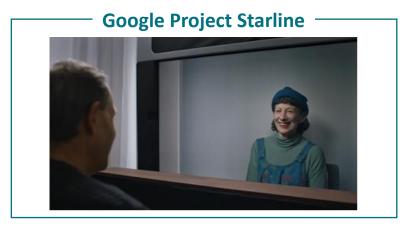


Source: AXA IM. For illustrative purposes only.

Metaverse – the convergence of the physical and digital worlds



Use Cases





Source: AXA IM for illustrative purposes only. The potential growth of the sector does not guarantee future results. *Source: McKinsey & Company, "Value creation in the metaverse", June 2022. LH chart: McKinsey analysis, June 2022.

The Metaverse journey has just started

We see 2 key drivers accelerating the Metaverse adoption



Source: AXA IM for illustrative purpose only.



4 key sub themes exposed to the long term Metaverse opportunity

Whilst the overall concept may seem futuristic, the investment opportunity set is tangible with real companies driving the path toward the Metaverse journey

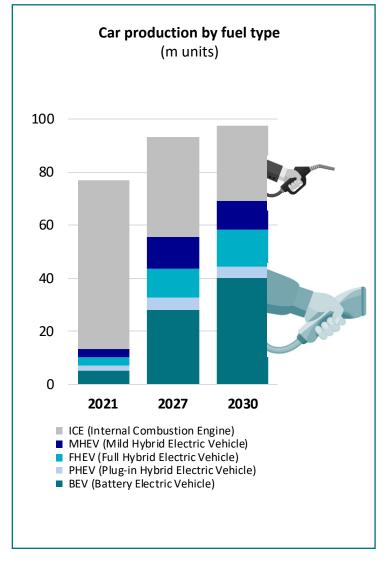


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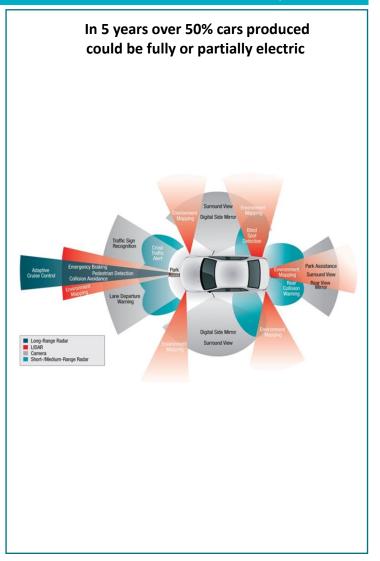
Electrification and Digitalisation of the Auto industry

"There's going to be more change in the next 5 to 10 years than there's been in the last 50*"

Mary Barra
Chairman & CEO, General Motors







Summary

Already investable

Long term opportunity

Positive change









Source: AXA IM for illustrative purposes only. Top LH: Guillaume/Getty Images. Bottom LH: XH4D / Getty Images/iStockphotoBottom. Top RH: Getty Images. Bottom RH: FIA International Automobile Federation - Belgium

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