

hanetf

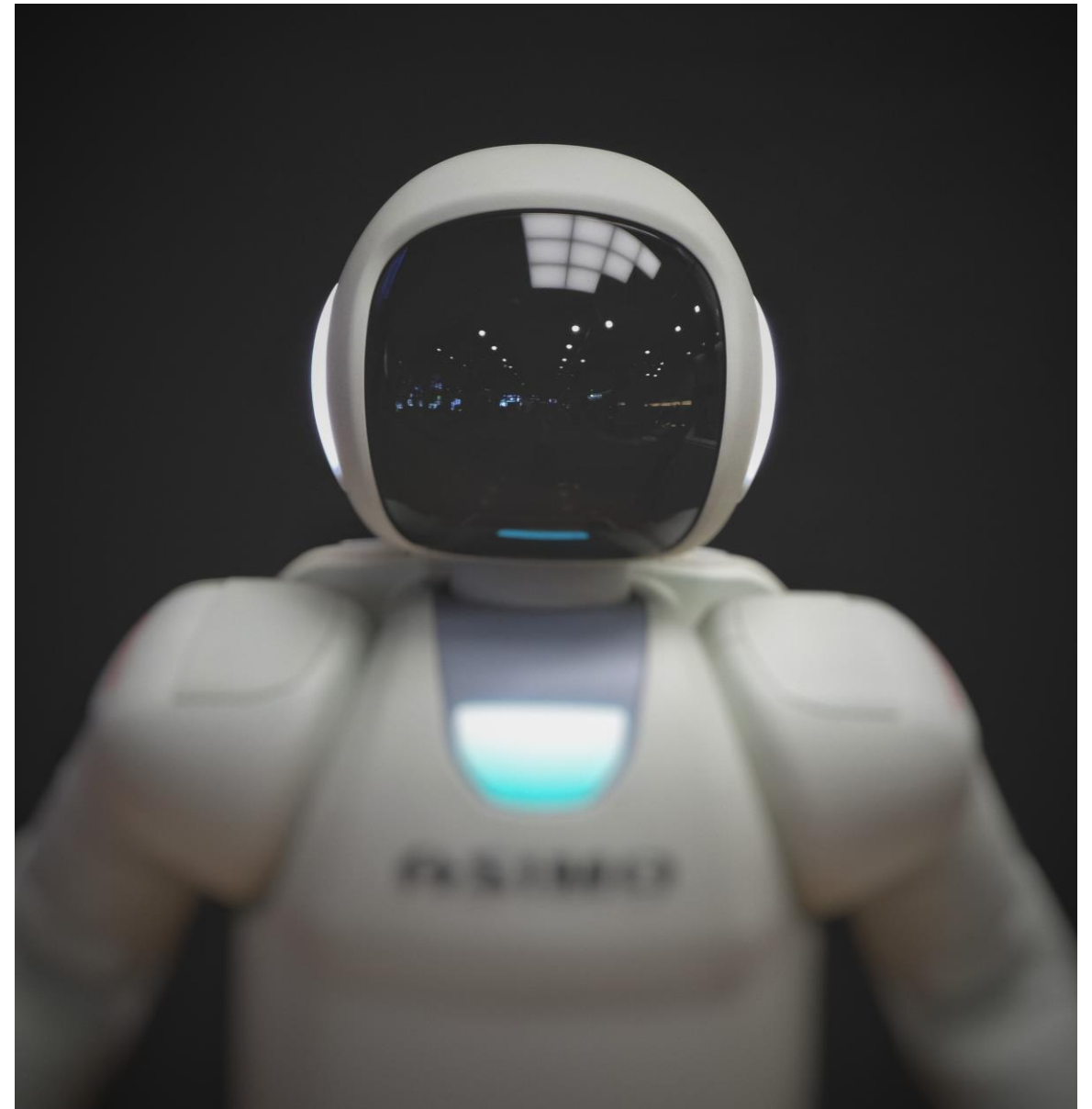


Tech Megatrends

BCI-GINS Tech Megatrend Feeder Fund

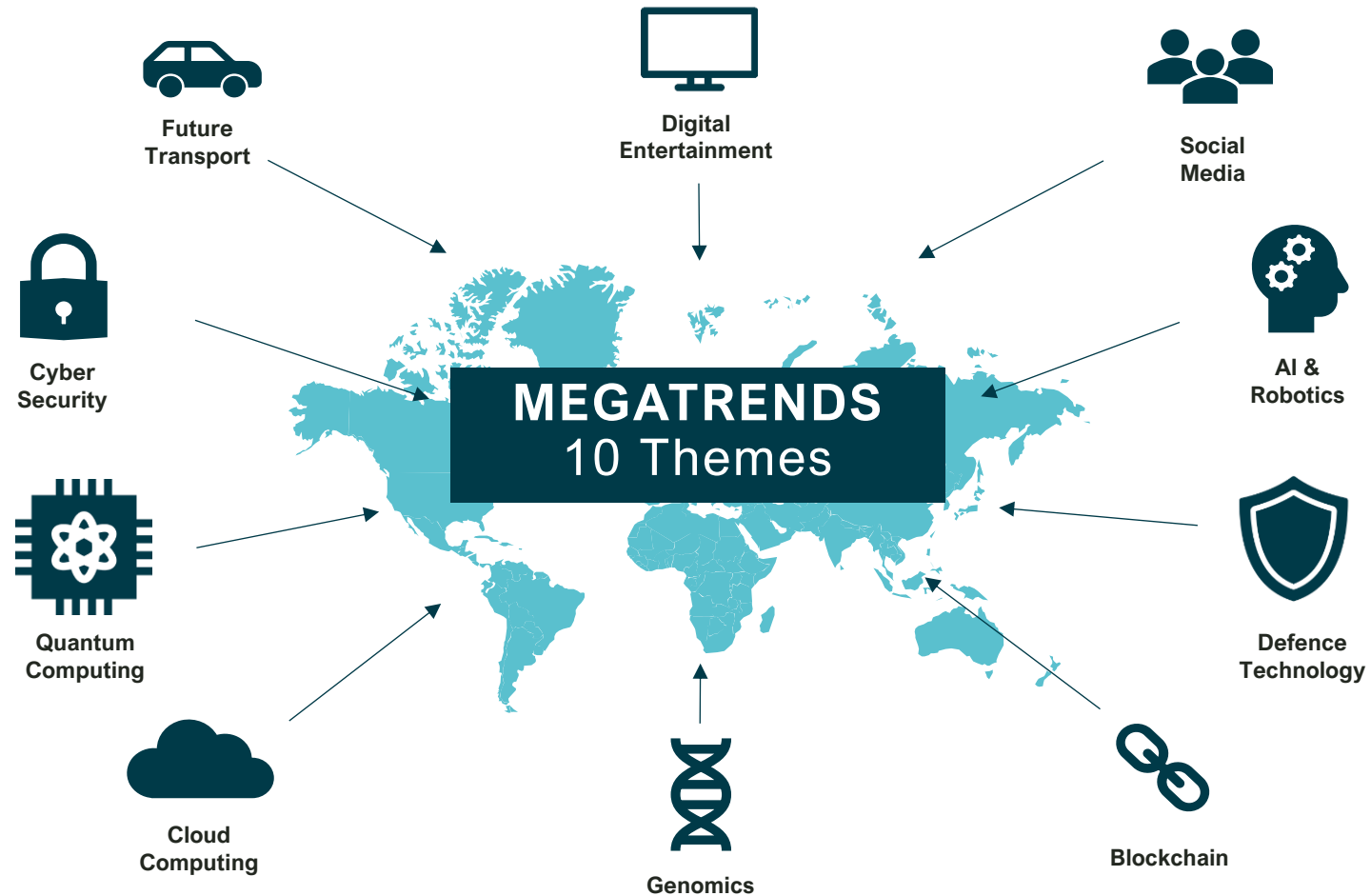
For professional clients only. Capital at risk

The content of this document does not constitute investment advice nor an offer for sale nor a solicitation to buy any product or make an investment.



Industrial Revolution 4.0

Tech Megatrends (140 stocks)



Tech Megatrends - gains

Past 3 Years (Jan 2023 to Dec 2025)



Diversified Tech Investing

- Global Mix – reduces volatility.
- Broad Index approach.
- 140 Equal Weight Holdings
- Tailwinds – lower interest rates, AI convergion
- Subscription Revenues (Netflix, Cloud)

MEGATREND FUND – Weights

Holdings Breakdown	
Top 10 Holdings	Weight
IRIS ENERGY LTD	1.15%
RIGETTI COMPUTING INC	1.12%
CIPHER MINING INC	1.07%
NEBIUS GROUP NV COMMON	1.05%
ALIBABA GROUP HOLDING LTD	1.03%
BAIDU INC-CLASS A	1.00%
CLEANS PARK INC	1.00%
AVIO SPA	0.99%
D-WAVE QUANTUM INC COMMON	0.97%
APPLOVIN CORP-CLASS A	0.94%
Sum of Top 10	10.32%

Mag7 Holdings	Nasdaq Weight	Fund Weight
<i>MICROSOFT CORP</i>	8.8%	0.9%
<i>APPLE INC</i>	7.4%	0.8%
<i>NVIDIA CORP</i>	6.3%	0.9%
<i>AMAZON.COM INC</i>	5.3%	0.0%
<i>META PLATFORMS INC</i>	4.8%	0.9%
<i>ALPHABET INC-CL A</i>	2.5%	1.0%
<i>ALPHABET INC C-SHARES</i>	2.4%	0.0%
<i>TESLA INC</i>	2.4%	0.7%
TOTAL	39.9%	5.2%

Data as of 30/07/2025.

Data as of 30/09/2025.

Megatrends: 10 subthemes

Category	Fund Contribution	No. of Holdings
AI & Robotics	1.7%	15
Blockchain	6.0%	15
Cloud Computing	2.6%	15
Cyber Security	2.7%	15
Defense Technology	0.4%	15
Digital Entertainment	2.8%	15
Future Cars	2.0%	15
Genomics	1.9%	15
Quantum Computing	-1.6%	5
Social Media	0.8%	15
Sum	19.1%	

Diversification power

TECH MEGATRENDS

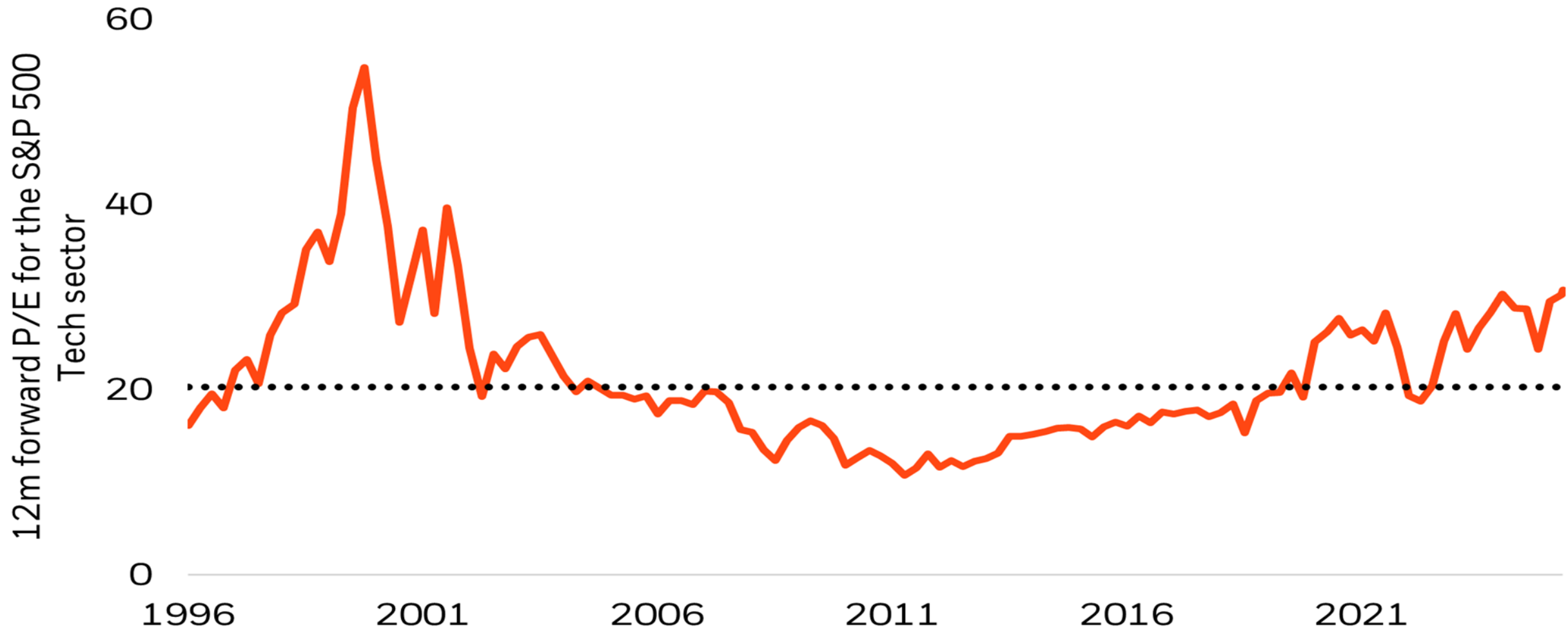
Rank	2017	2018	2019	2020	2021	2022	2023	2024	2020-2024	3Y Avg Sharp	
1	Robotics 2	Cloud & Digital 2	Digital Entertainment 2	Blockchain 2	Blockchain 1	Health & Biotech 2	Blockchain 1	Digital Entertainment 1	Digital Entertainment 2	1.20	Digital Entertainment 2
2	Robotics 1	Cyber Security 1	Robotics 1	Cars & Battery 1	Digital Entertainment 1	Cars & Battery 2	Digital Entertainment 2	Digital Entertainment 2	Cyber Security 2	1.09	Blockchain 1
3	Digital Entertainment 2	Cloud & Digital 1	Blockchain 2	Cars & Battery 2	Robotics 1	Cyber Security 2	Robotics 1	Cloud & Digital 1	Cars & Battery 2	1.07	Digital Entertainment 1
4	Health & Biotech 1	Cyber Security 2	Robotics 2	Cloud & Digital 2	Cyber Security 2	Health & Biotech 1	Blockchain 2	Cyber Security 2	Blockchain 2	0.94	Cloud & Digital 1
5	Cars & Battery 2	Health & Biotech 1	Cyber Security 1	Digital Entertainment 2	Robotics 2	Cloud & Digital 2	Cyber Security 2	Cyber Security 1	Cloud & Digital 1	0.84	Cyber Security 2
6	Cloud & Digital 2	Health & Biotech 2	Cyber Security 2	Health & Biotech 1	Cars & Battery 2	Cyber Security 1	Cloud & Digital 1	Blockchain 1	Cyber Security 1	0.67	Cyber Security 1
7	Health & Biotech 2	Digital Entertainment 2	Cloud & Digital 2	Robotics 2	Blockchain 2	Cloud & Digital 1	Cyber Security 1	Blockchain 2	Robotics 1	0.52	Robotics 1
8	Cyber Security 1	Robotics 1	Cloud & Digital 1	Cloud & Digital 1	Cars & Battery 1	Blockchain 1	Digital Entertainment 1	Cloud & Digital 2	Robotics 2	0.41	Blockchain 2
9	Cyber Security 2	Robotics 2	Cars & Battery 2	Cyber Security 2	Cyber Security 1	Digital Entertainment 1	Robotics 2	Robotics 1	Cars & Battery 1	0.25	Cloud & Digital 2
10		Blockchain 2	Health & Biotech 1	Robotics 1	Cloud & Digital 1	Robotics 1	Cloud & Digital 2	Health & Biotech 1	Cloud & Digital 2	0.09	Robotics 2
11		Cars & Battery 2	Health & Biotech 2	Cyber Security 1	Digital Entertainment 2	Digital Entertainment 2	Cars & Battery 2	Robotics 2	Health & Biotech 1	-0.06	Cars & Battery 2
12				Health & Biotech 2	Cloud & Digital 2	Robotics 2	Health & Biotech 1	Cars & Battery 2	Health & Biotech 2	-0.21	Health & Biotech 1
13					Health & Biotech 2	Cars & Battery 1	Cars & Battery 1	Health & Biotech 2		-0.47	Health & Biotech 2
14					Health & Biotech 1	Blockchain 2	Health & Biotech 2	Cars & Battery 1		-0.75	Cars & Battery 1

*Sorted by Sharpe Ratio. Source: Bloomberg, data as of Feb 2025. For illustrative purposes only.

Global Tech Mix – 140 stocks

- USA 57%, China 10%, Japan 8.5%, Israel 3.5%, Germany 3%.
- **Best 2025 Themes:**
 - *Blockchain 32%*
 - *AI-Robotics 15%*
 - *Cybersecurity 14%*
 - *Cloud 10%*
 - *Defense Tech & Genomics 9%*
 - *Digital Entertainment 8.5%*
 - *Social Media 7%*

US Tech: P/E ratio – S&P 500 IT Index



Positive Tech Outlook

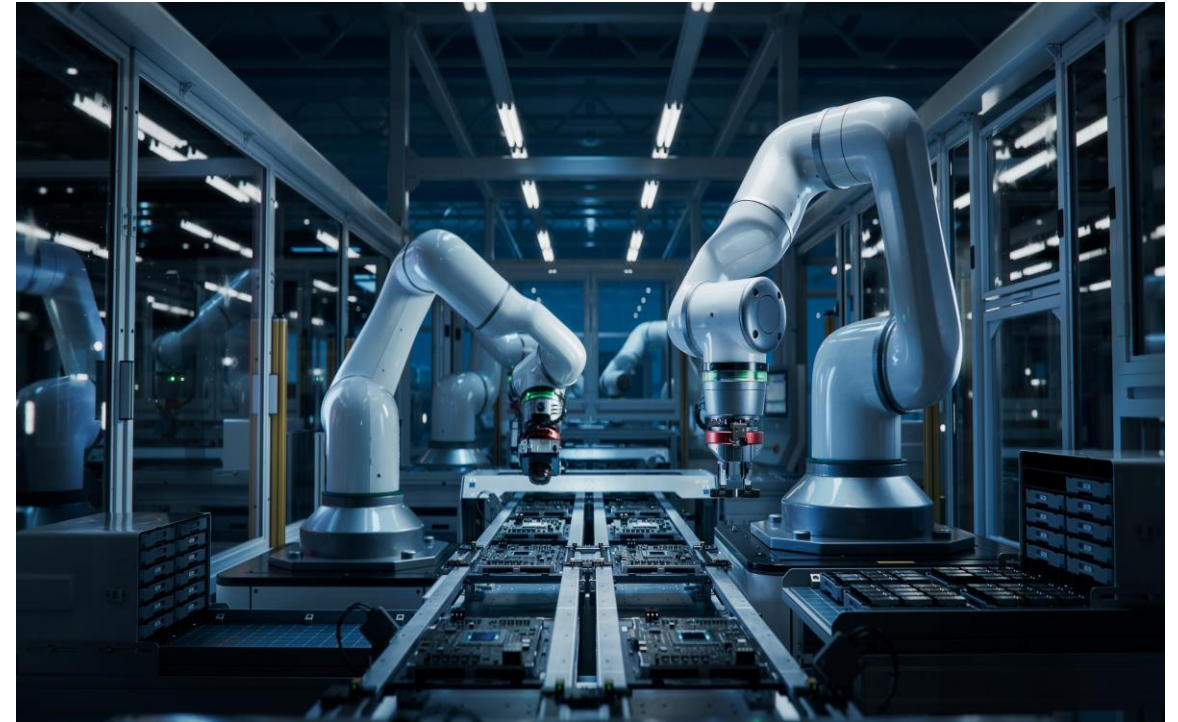
- Tech M&A activity rebounding.
- Outsourcing - AI, Cloud & Cybersecurity.
- Robotics – Onshoring/Tariff benefits.
- Fed rate cuts = positive Tailwind.
- Weaker US\$ - boosts US Tech earnings.

US Resilient: Soft-Landing

- Low Unemployment & Rates.
- Healthy US GDP growth of 3%+.
- Inflation <3%.
- Positive Earnings ~ 14% S&P EPS gains (2026).
- Less red-tape; Lower Taxes

Tech Megatrend – Valuations

- **Nasdaq** P/E 32X vs Megatrends 20X
 - P/Book 7.1 vs 2.9.
 - P/Sales 5.1 vs 2.6.
- **MegaCap** weight: 58% Nasdaq vs 9%.
- **Top 10 Holdings**: 49% Nasdaq vs 10%.
- **Top 5 Holdings**: 35% Nasdaq vs 6%.

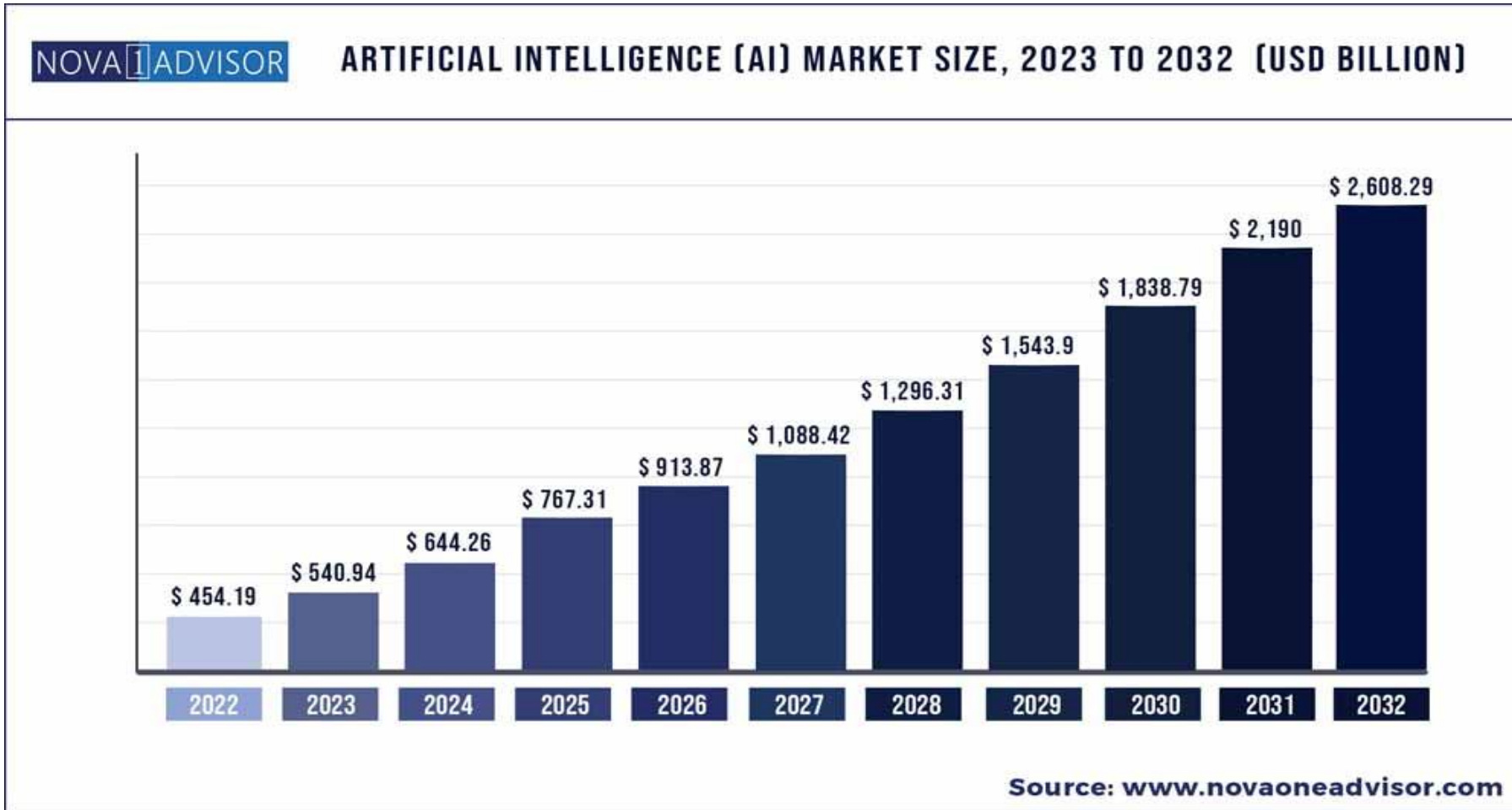


Tech Megatrends Outlook

- **Converging** - AI, Cloud, SM, Gaming, Quantum.
- AI \$3tn spend in 5yrs.
- **Strong B/Sheets** - Not 1999.
- Onshoring Tailwinds.



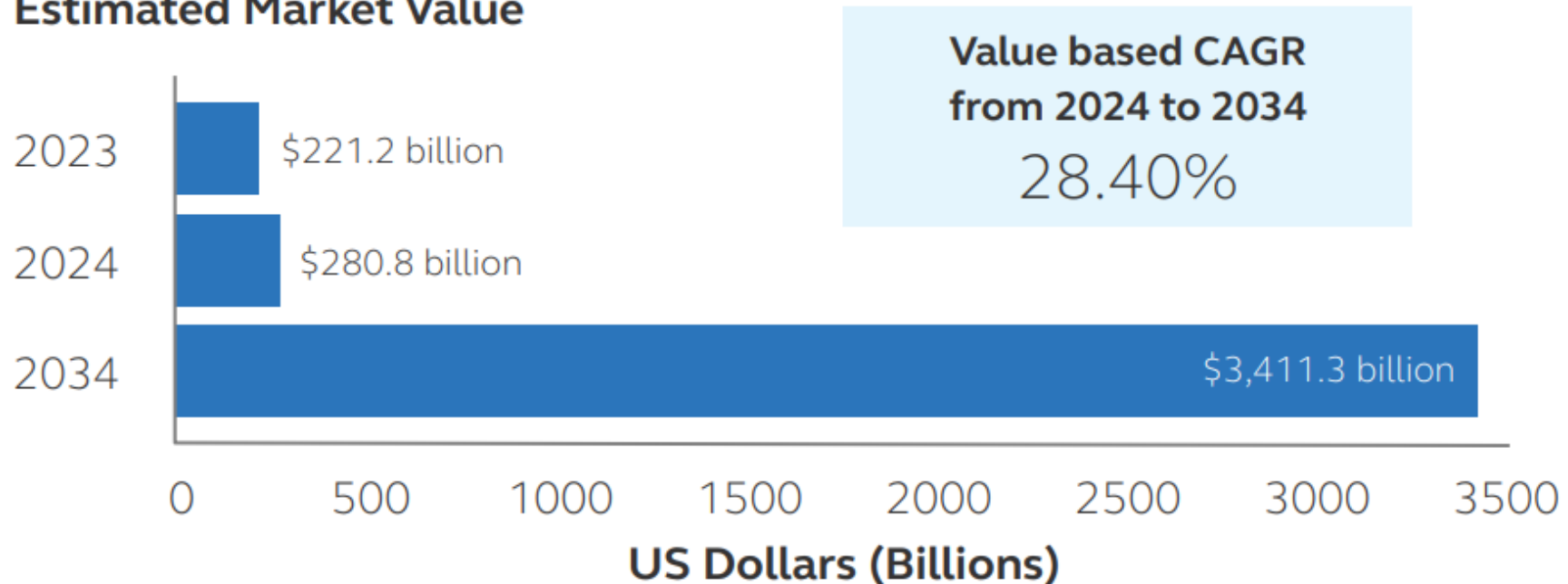
AI Market Forecast



Cloud Market Growth

EXHIBIT 2: Cloud market value expected to grow 28.4% annually
Compound annual growth rate (CAGR)

Estimated Market Value



Source: Future Market Insights Inc., December 2023.

AI & Cloud Booming

- AI boosts Cloud spend.
- Cloud = 50% of Corporate IT spend by 2026.
- Cloud < 25% corporate workloads.
- 28%+ CAGR.
- WFH/Hybrid → Cloud cost savings.



Cybersecurity to Double

PRECEDENCE
RESEARCH

CYBER SECURITY MARKET SIZE 2022 TO 2032 (USD BILLION)



Source: www.precedenceresearch.com

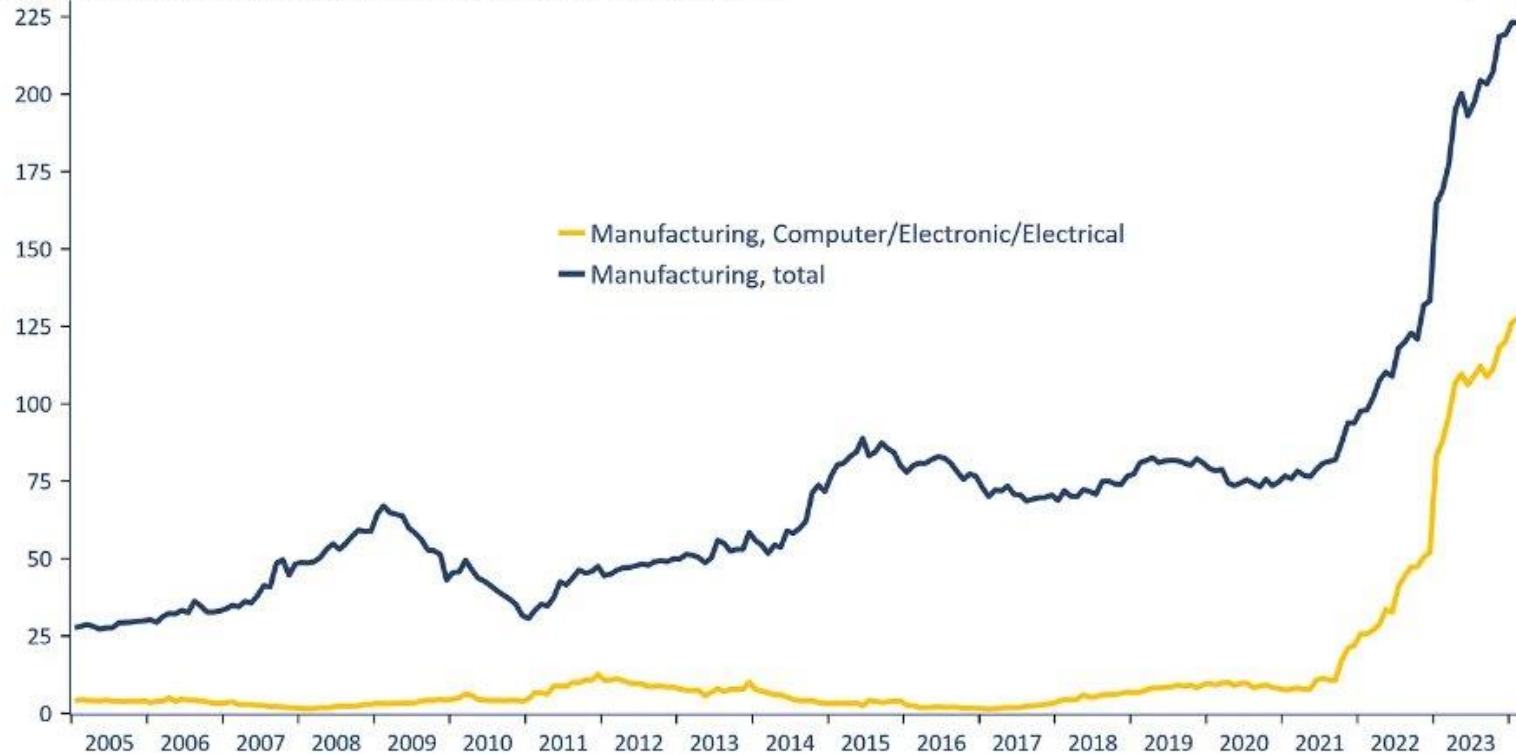
Quantum – surging investments

- **Tech Breakthroughs accelerating.**
 - Milestones (Google's Willow & IBM).
 - **IonQ's** scaling toward millions of qubits.
- **Govts committed >\$42bn – Viable commercial uses.**
- Cloud-based quantum platforms - strategic partnerships
- **Revolutionary leap in computational power.**
- **Key sectors - Pharma, AI, Finance, Materials Science, Logistics.**

Reshoring and Robotics

US manufacturing construction spending has roughly trebled since 2021

US manufacturing construction spending, monthly, sa, AR, USD billions

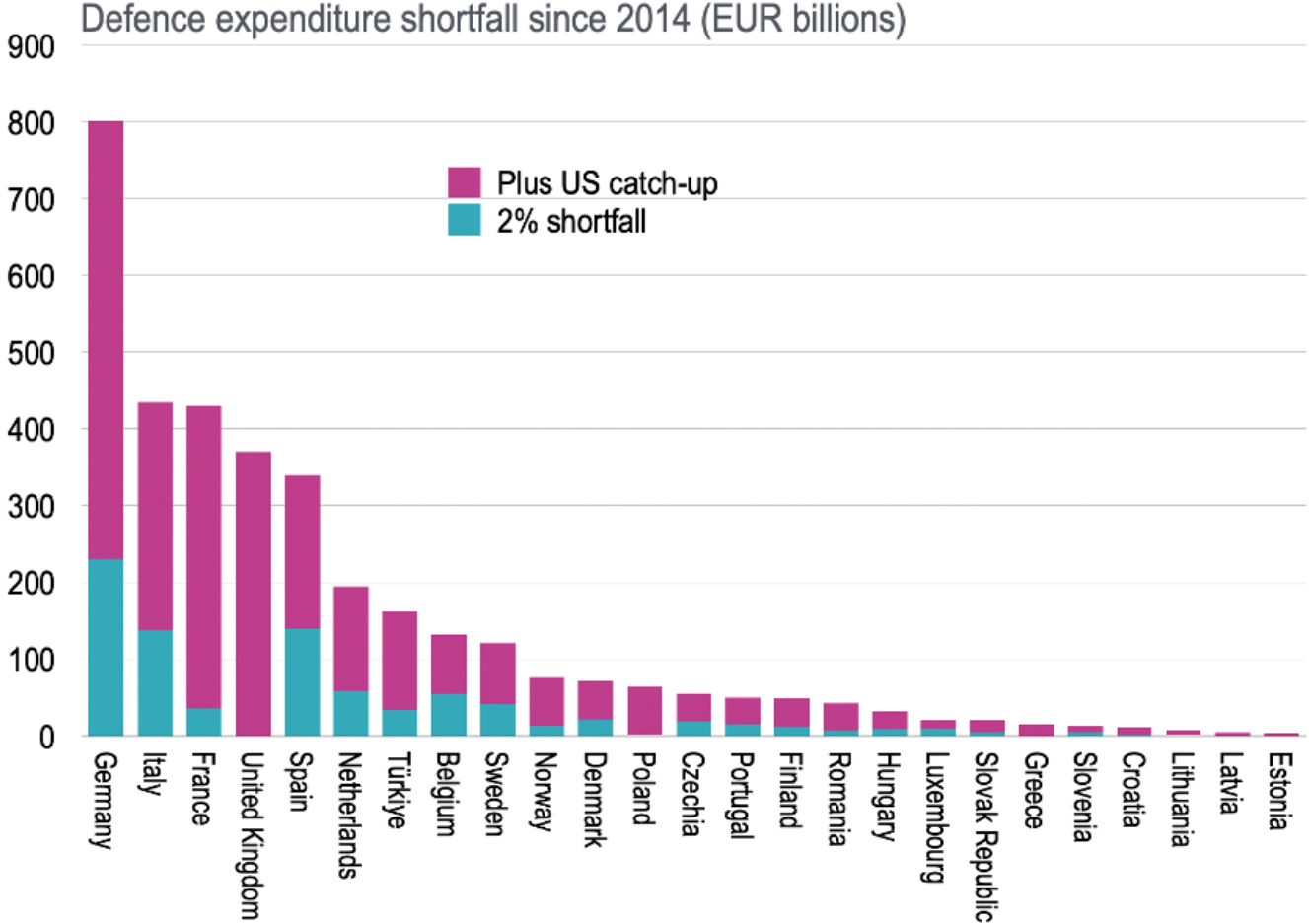


Source: Macrobond; US Census Bureau; Landfall Strategy Group.

The U.S. is pursuing an industrial policy to rebuild its industrial base.

But this will only be cost-effective with robotics.

Europe €850bn defence shortfall



Source: NATO and Exante Data.

Europe’s Cumulative Underspend:

- Since 2014, European NATO members have underspent by €850bn relative to the agreed 2% of GDP target.

Bridging the US Gap:

- Had Europe aimed to match the U.S. level of ~3.5% of GDP, Germany’s shortfall would exceed €800bn.
- Across the continent, the cumulative defence funding gap totals over €2.65tn - huge underinvestment.

Record surge in defence spending

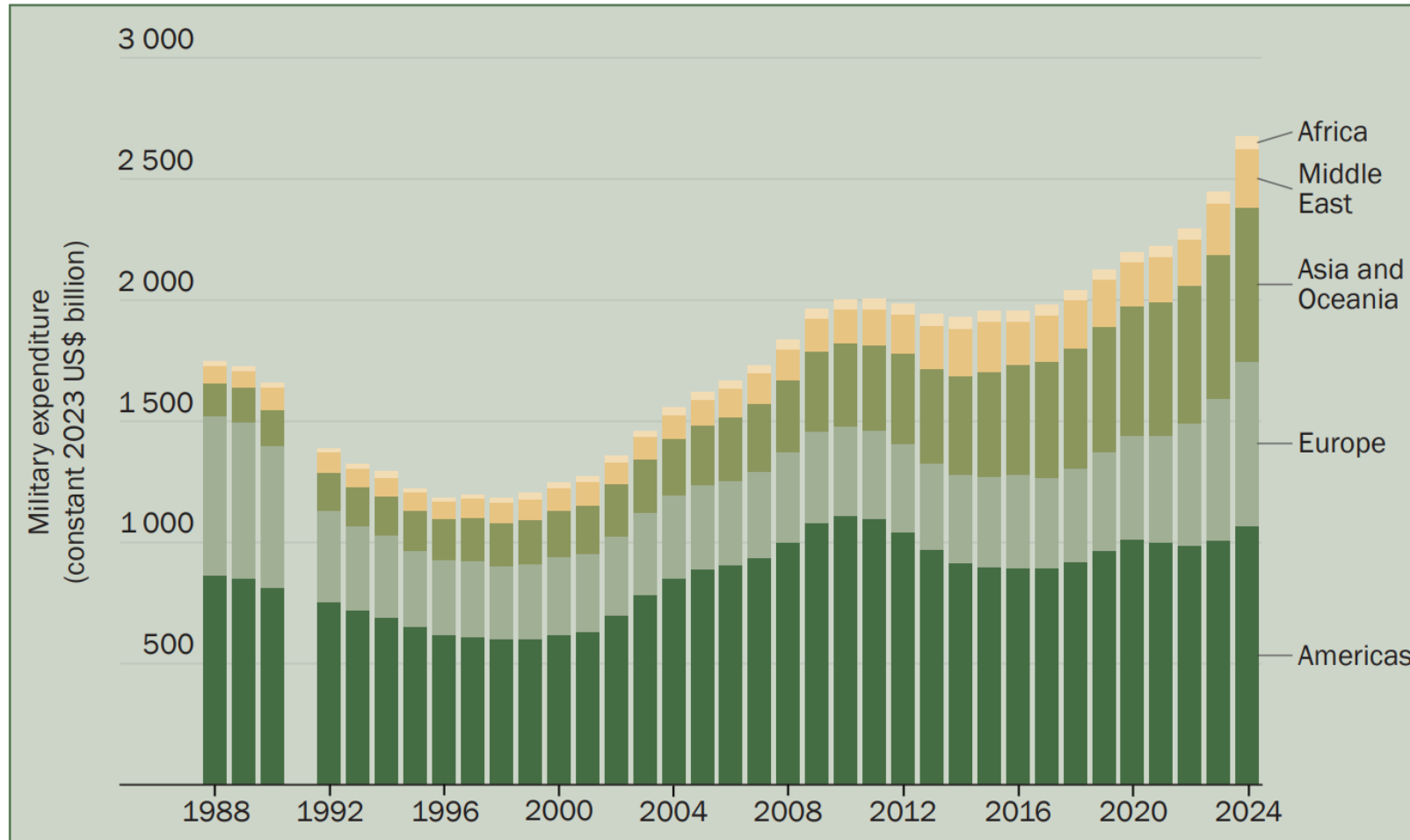


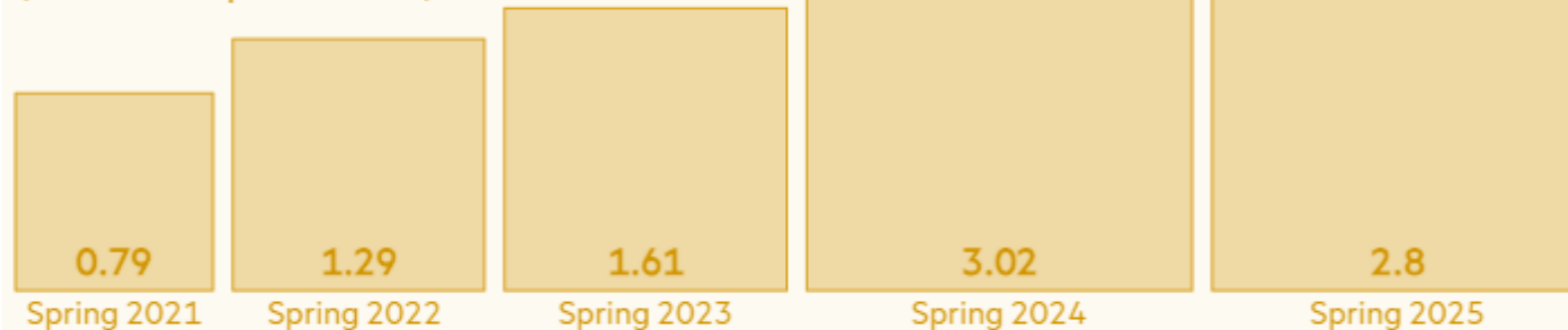
Figure 1. World military expenditure, by region, 1988–2024

- Global military spending rose 9.4% in 2024 – the steepest increase since 1988.
- European defence spending jumped **17%** in 2024, to \$693 billion – up 83% since 2015.
- East Asia saw a 7.8% rise - the biggest annual increase since 2009.
- Japan hiked its defence budget by 21% – the largest jump since 1952. China’s budget up 7%.

Europe's arms factories growing 3x faster than pre-war

European arms factories have been expanding dramatically since the full-scale invasion of Ukraine

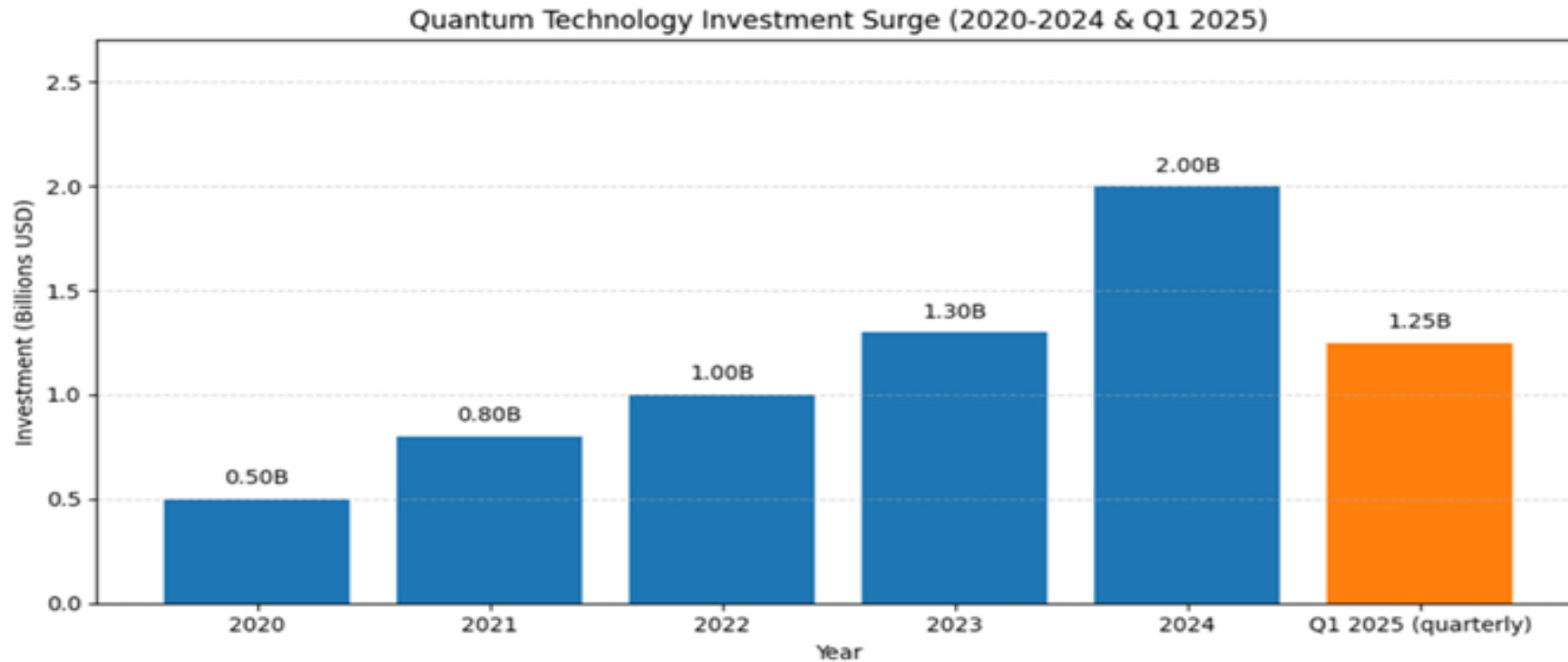
Total area of arms production sites where radar shows change since the previous year (millions of square metres)



- FT tracked changes at sites associated with ammunition and missile production.
- Areas marked by changes jumped from 790,000 sq metres in 2020-21 to 2.8mn sq metres in 2024-25, the analysis showed.

European 155mm artillery shell production: 300,000 rounds/year pre-war → potentially 2 million/year by end-2025

Quantum – surging investments

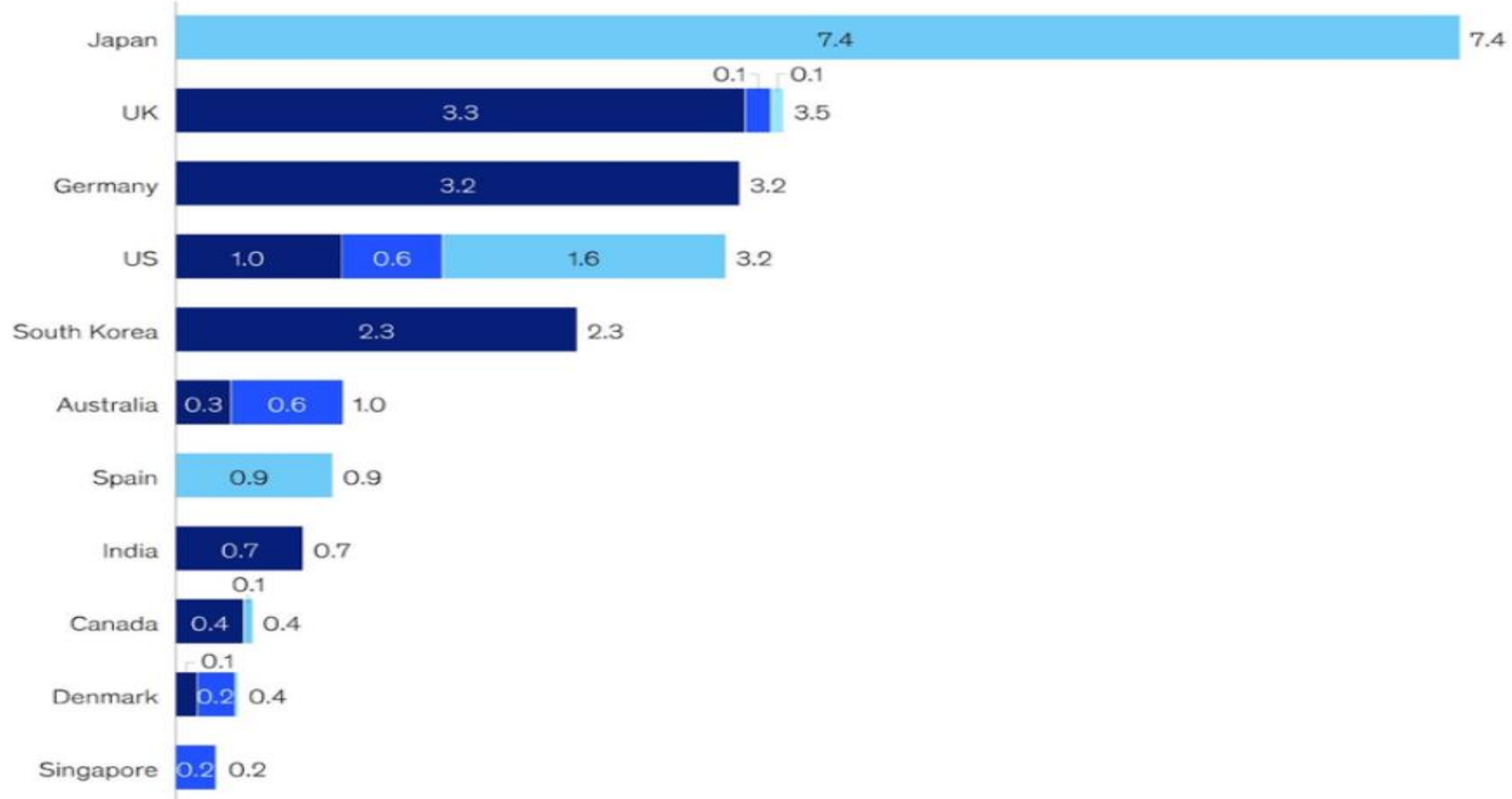


Source: [PR Newswire](#), [Quantum Insider](#) (Graph by Defiance ETFs) (Sep 02, 2025)

Announcements of public investments in quantum technology reached \$10 billion in early 2025, with Japan accounting for nearly 75 percent.

Announced government investments in quantum technology (QT), Jan 2023–Apr 2025, \$ billion

Year announced:
■ 2023 ■ 2024 ■ 2025 (Jan–Apr)



Diversified Tech Investing

- **Global Mix – reduces volatility.**
- **Broad Index - Equal Weight (140).**
- **Tailwinds – lower rates, AI Convergence**
- **Subscription Revenues (Netflix, Cloud)**