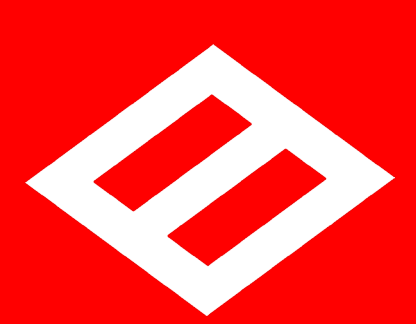
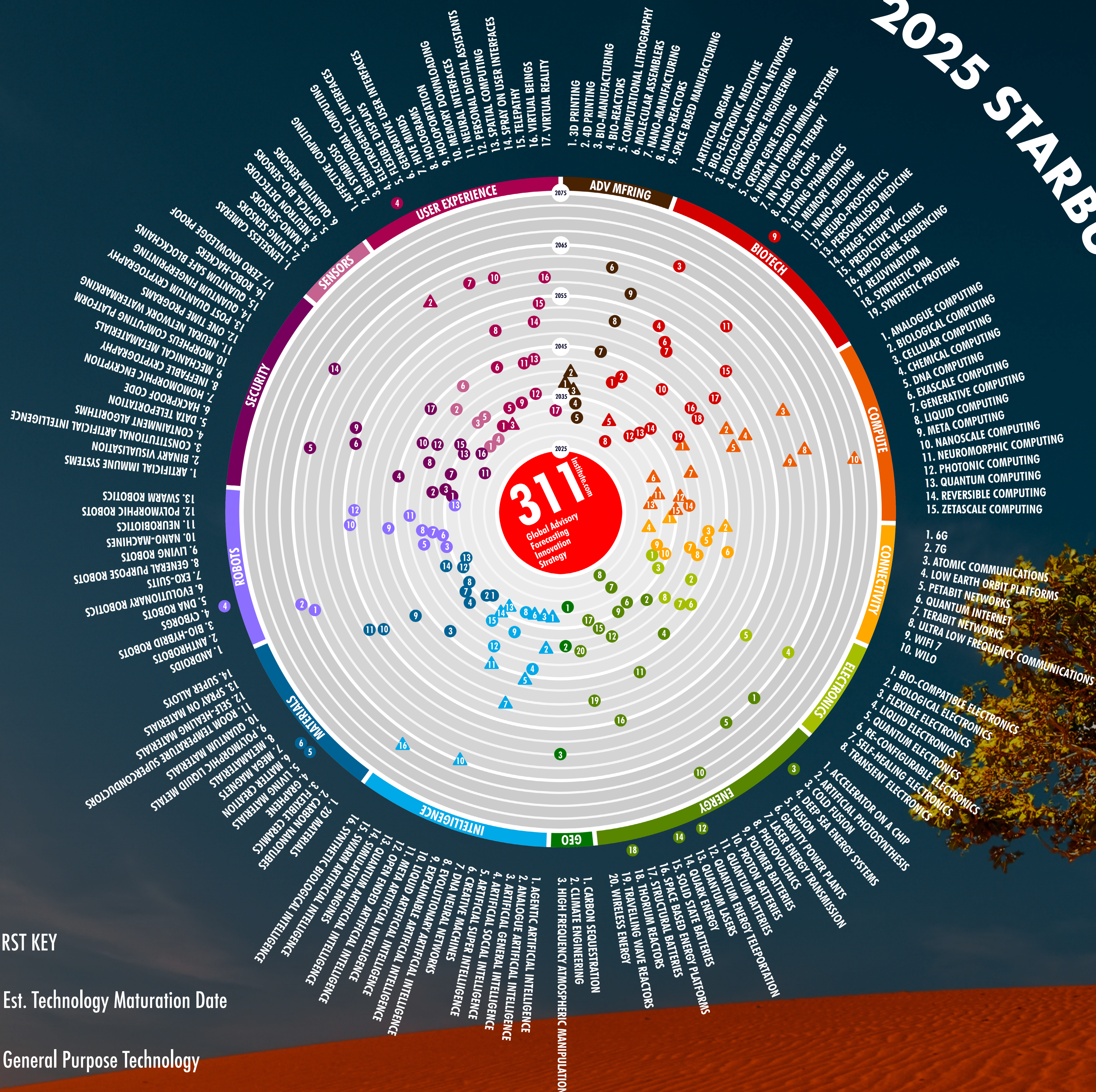




THE GRIFFIN EMERGING TECHNOLOGY STARBURST 2025 EDITION . WHAT WILL YOU #DISRUPT?

2025 STARBURST



Vs

2024 STARBURST



STARBURST KEY

- 1 Est. Technology Maturation Date
- 1 General Purpose Technology

WELCOME FROM @311INSTITUTE

The 311 Institute is a global Futures and Deep Futures advisory, strategy, and innovation firm, and our mission to democratise access to the future and help people realise their exponential potential.

Now in its ninth year the Griffin Emerging Technology Starburst is used by organisations all around the world to help them keep track of the latest emerging technology trends and envision the future of their companies and products.

LOOKING BACK AT 2024

In 2024 there were fewer technology world firsts than 2023 and a similar number of new emerging technologies spotted with a total of 36. Advanced Manufacturing, Compute, Materials, and Security saw the biggest gains with Biotech and Energy back sliding significantly followed by User Interfaces., and notable breakthroughs included: 5G Satellite to smartphone services launch • 60 Sec cross border payments • Agentic AI • AI agents build civilisation • AI beats human pilots in dogfights • AI Bots create \$1 Bn • AI coders get jobs • AI creates synthetic genomes • AI runs Physio clinic • AI scientists • Atlas of Cells launches • Autonomous AI design • Bacterial displays • Bio-Circular Datacenter opens • Brain Computers scale up • Drug regrows teeth • Extinction Gene renders viruses harmless • Genetically modified BMI beats records • GPSless navigation • Graphene semiconductors • Huawei GPUs • Human-BMI Cognitive Compartmentalisation • Humanoid robots • Mega Drones • Photosynthesising animals • Psycho AI • Quantum radar • Reasoning AI emerges • Solar Quantum materials • Synthetic content passing Uncanny Valley • Two people communicate via dreams • Unhackable Mechanical Metamaterial storage • URL Malware • World's biggest hypergravity facility ... and MANY more.

INTRODUCING THE 2025 STARBURST

IN THE 2025 Griffin Annual Emerging Technology Starburst the timelines stretches to 2075 and tracks the development of 167 of the world's most promising emerging technologies, each with an addressable market value of over \$500 Billion spread across 13 categories, I promoted 13 new emerging technologies and demoted and replaced 53 - a record breaking figure which demonstrates a huge slow down in the development of some emerging technolog categories and an acceleration of others. In 2025 with geopolitical tensions and rivalry increasing I expect to see an acceleration of civilian and military R&D spending with a focus on Advanced Manufacturing, Compute, Intelligence, and Materials, and expect that we will also see AI and Agentic AI dominating news cycles.

MORE RESOURCES ...

Click or scan the QR code to download our Starbursts FREE companion EXPONENTIAL TECHNOLOGY CODEX to explore these technologies in more detail, and get access to thousands of articles, keynotes, podcasts, reports, and videos.

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