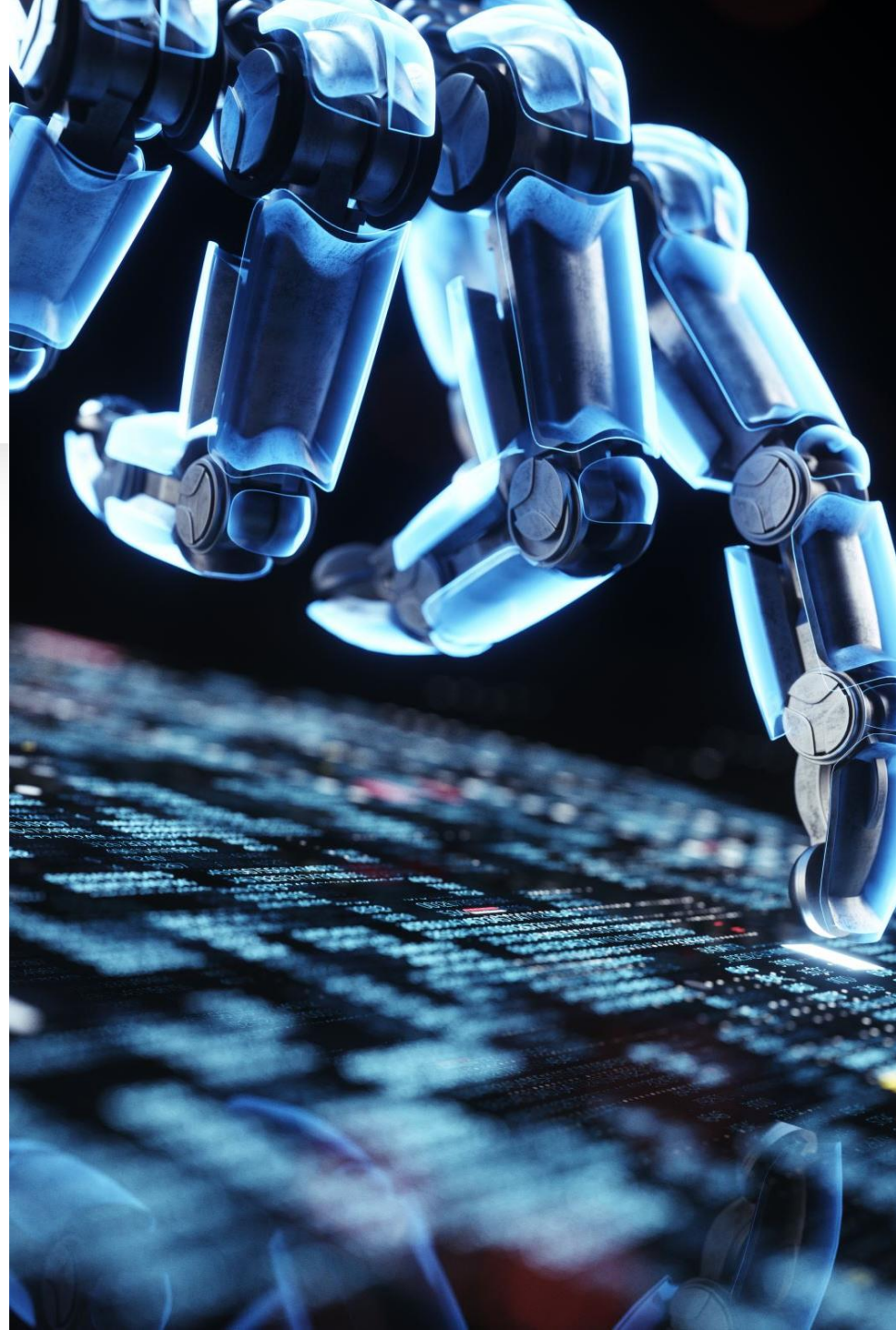


MADT Expo 2025 Tech Trends Overview

- Themes: autonomous systems, human-machine collaboration, scaling challenges.



Autonomous Systems

Robots and AI
agents moving to
real-world use
cases.

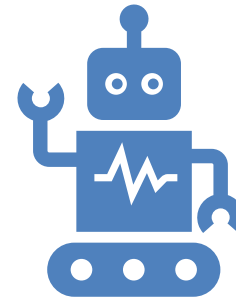
Agents handle
planning, workflow
execution, task
breakdown.

2025 = Year of AI
Agents.

Human–Machine Collaboration



Multimodal input, voice copilots, haptics enable seamless UX.



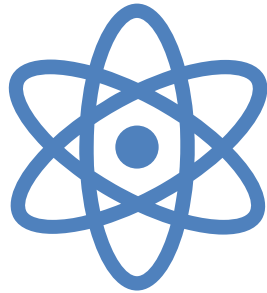
Shift from replacement to augmentation of humans.

Infrastructure & Scaling Constraints

AI and immersive
tech stress
compute and data
center capacity.

Need for scalable
infrastructure and
regulatory
readiness.

Quantum Technologies



\$97B market potential by 2035, mostly from quantum computing.



2025 sees shift from lab to deployment (hardware, patents, error correction).

Cloud, Edge & Connectivity



Cloud/edge adoption rising;
expected to reach 80%.

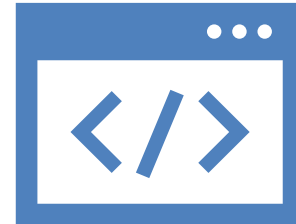


5G/6G power high-speed
immersive applications.

Applied AI & Software Evolution



GenAI (~36%) and applied AI (~35%) are maturing.

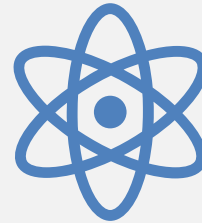


Low-code/no-code platforms becoming mainstream.

Cybersecurity & Trust



DIGITAL TRUST ARCHITECTURE AND
CYBER-RESILIENCE VITAL (~30%
ADOPTION).



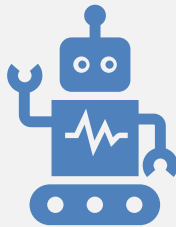
QUANTUM-SAFE COMMUNICATION ON
THE HORIZON.

Immersive & Bio-Technologies

Immersive reality,
bioengineering,
and robotics on
the rise.

Changing work,
design, and
healthcare.

Cross-Trend Synergies & Strategy



TECHS LIKE AI, CLOUD, ROBOTICS,
QUANTUM ARE INTERDEPENDENT.



ECOSYSTEM READINESS = TALENT
+ REGULATION + TRUST + INFRA.

Strategic Takeaways




INVEST IN AI AGENTS AND
QUANTUM
INFRASTRUCTURE.



ENABLE SECURE,
COLLABORATIVE, SCALABLE
ECOSYSTEMS.



PRIORITIZE ECOSYSTEM
ALIGNMENT AND
REGULATORY AGILITY.



Closing Thought

- 2025 = integrated, adaptive, trust-centric tech ecosystems.
- Not just new tools, but systems working together.