

FREEDOMTECH SOLUTIONS ENHANCES SECURITY & THROUGHPUT FOR GOOGLE DEEPMIND ROBOTICS

A secure, high-performance environment powering the future of AI-driven robotics.



INTRODUCTION

Google DeepMind Robotics faced growing challenges in safeguarding sensitive AI research while maintaining high-performance infrastructure for real-time simulations and model training.

To address these needs, they partnered with Freedomtech Solutions, specialists in enterprise AI infrastructure and security.

THE CHALLENGE

DeepMind required:

- *Advanced security to protect proprietary algorithms and data.*
- *High-throughput systems for robotics simulations and AI training.*
- *Expert resources to manage complex deployments and ensure continuity.*

Traditional solutions lacked scalability and resilience, demanding a tailored, enterprise-grade approach.

THE SOLUTION

Freedomtech Solutions delivered a central AI automation layer across the organisation:

SECURITY APPLIANCES

Delivered firewalls, intrusion detection, and endpoint protection integrated into DeepMind's hybrid infrastructure.

SOFTWARE SERVICES

Implemented enterprise-grade tools for threat intelligence, automated patching, and compliance monitoring.

SPECIALIST ENGINEERS

Provided dedicated experts in AI infrastructure and cybersecurity to optimize and manage systems.

ONGOING MANAGEMENT

Established proactive monitoring, incident response, and throughput optimization for sustained performance.

RESULTS

Enhanced Security:

Stronger protection against cyber threats, safeguarding research and IP.

Increased Throughput:

Reduced latency, faster simulations, and accelerated AI model training.

Operational Efficiency:

Freed internal teams to focus on innovation.

Scalability & Resilience:

Infrastructure designed to grow with robotics initiatives.

CONCLUSIONS

Through this partnership, Google DeepMind Robotics gained a secure, high-performance environment tailored to its unique needs.

Freedomtech's blend of cutting-edge technology and specialist expertise empowered DeepMind to innovate faster, with confidence and resilience for future breakthroughs in AI-driven robotics.

