

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 AI model training.

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

THE SOLUTION

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

-  **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 optimise and manage systems.
-  **Ongoing management**
Established proactive monitoring, incident response, and throughput optimization for sustained performance.



THE CHALLENGE

Advanced security

To protect proprietary algorithms and data.

High-throughput systems

For robotics simulations and AI model training.

Specialist support

To manage complex deployments and ensure continuity.

Scalable, resilient infrastructure

To support long-term growth and evolving research needs.

RESULTS



Enhanced Security

Stronger protection for sensitive research and IP.



Increased Throughput

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.

KEY BENEFITS



Greater security and confidence



High-performance infrastructure



Faster asset and model deployments



Scalable for future innovation



A trusted long-term technology partner