FREEDOMTECH SOLUTIONS

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FREEDOMTECH SOLUTIONS ENHANCES SECURITY & THROUGHPUT FOR GOOGLE DEEPMIND 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.

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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.

CONCLUSION

Through this partnership, **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.