

**INDUSTRY:**

Aerospace

CORETEK SOLUTIONS:

Azure Deployment, Secure Architecture, AI & Modern Services, Enablement & Training

CASE STUDY

Building a Secure, Scalable Cloud Foundation with Microsoft Azure**OVERVIEW**

Slingshot Aerospace provides government and commercial partners around the world with AI-powered solutions for satellite tracking, space traffic coordination, and space modeling and simulation.

Slingshot's purpose is "Making Space Safe, Sustainable, & Secure". Space operators around the world turn to Slingshot's industry-leading AI, data, and insights to support mission-critical training, planning, and operations. To strengthen Slingshot's infrastructure and prepare for the future, Slingshot partnered with Coretek to modernize its cloud environment and leverage the power of Microsoft Azure.

THE CHALLENGE

As Slingshot continued to expand, its team faced growing complexity and heightened expectations for performance, security, and scalability. The leadership team wanted a cloud strategy that could not only support current needs but also enable future digital transformation in native cloud expansion and increasing Artificial Intelligence demands. Key challenges included:

Multi-Cloud Complexity

Managing workloads across different providers created inefficiencies and governance challenges.

Security Concerns

Slingshot needed confidence that its core systems were protected from external threats and aligned with compliance requirements.

Scalability for Growth

The company required an IT foundation that could expand seamlessly alongside the business.

Operational Efficiency

Teams needed to spend less time managing infrastructure and more time delivering value to customers.

THE SOLUTION

Slingshot engaged Coretek to design and implement a secure, scalable Azure-based solution. The engagement focused on aligning cloud technology with business priorities, while simplifying management and reducing risk. Coretek delivered:

Azure Deployment

Establishing Azure as Slingshot's primary environment for critical workloads.

Secure Architecture

Leveraging Azure services such as Container Apps, Azure Database for PostgreSQL, Redis Cache, and Entra ID to create a resilient, internal-facing environment.

AI & Modern Services

Introducing Azure AI and Azure OpenAI to support emerging use cases and ensure the foundation could support innovation.

Enablement & Training

Equipping Slingshot's team with the knowledge and tools to manage the environment confidently and plan for future expansion.



“We were very happy with the Azure environment — it provided a secure, internal-facing foundation that gave us peace of mind. We weren’t worried about outside influences, and now we can focus on where to take things next.”

— **Matthew Wilson**
Manager, Data Research

Technology Spotlight

The architecture included containerized applications, distributed task queues, secure identity management, and AI services — all working together to provide scalability, resiliency, and rapid data processing in a secure cloud environment.

THE OUTCOME

The partnership between Slingshot and Coretek has delivered both immediate benefits and long-term strategic value:



Stronger Security

Azure provided a highly secure, internal-facing platform, reducing exposure to external threats.



Simplified Management

Consolidating workloads in Azure reduced complexity and freed up IT resources.



Future-Ready Infrastructure

The scalable foundation supports current operations and creates a roadmap for digital transformation.



Operational Confidence

Leadership now has greater confidence in the resiliency of their environment, empowering the business to grow with reduced risk.



Culture of Innovation

By adopting AI-ready tools, Slingshot is positioned to explore advanced use cases that drive competitive advantage.



Microsoft Partner
Azure Expert MSP



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