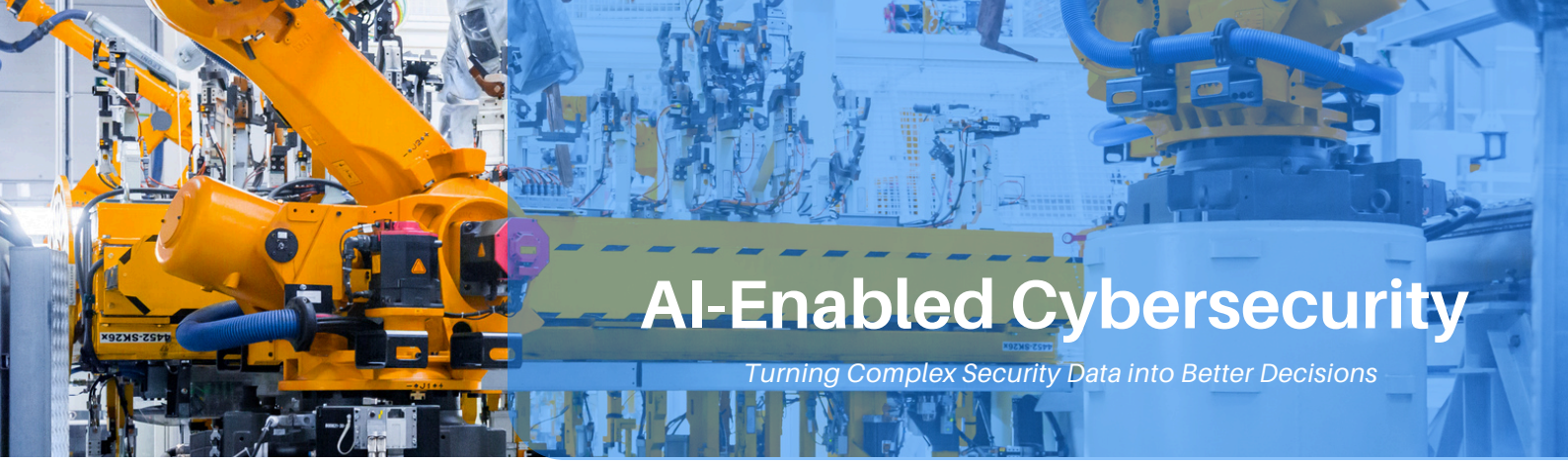


AI-Enabled Cybersecurity

Turning Complex Security Data into Better Decisions

Customer Profile

The customer is a global leader in high-tech manufacturing, employing more than 70,000 people across 130 countries.

Operating at this scale creates an inherently complex cybersecurity environment. Security teams must work across large volumes of data, numerous security technologies, and increasingly sophisticated threats, while maintaining the security, privacy, and governance standards required of a global enterprise.

They needed to address a critical challenge: how to turn its existing security data, tools, and specialist knowledge into faster, more consistent, and more actionable cybersecurity intelligence.

> "Island Networks automated 95% of the build process enabling the entire platform to be deployed within five minutes."
>
> **Director, IT Security at Global High-Tech Manufacturer**

IslandNetworks

IT Solutions & Services

www.islandnetworks.com

500 W Office Center Drive, Fort Washington, PA

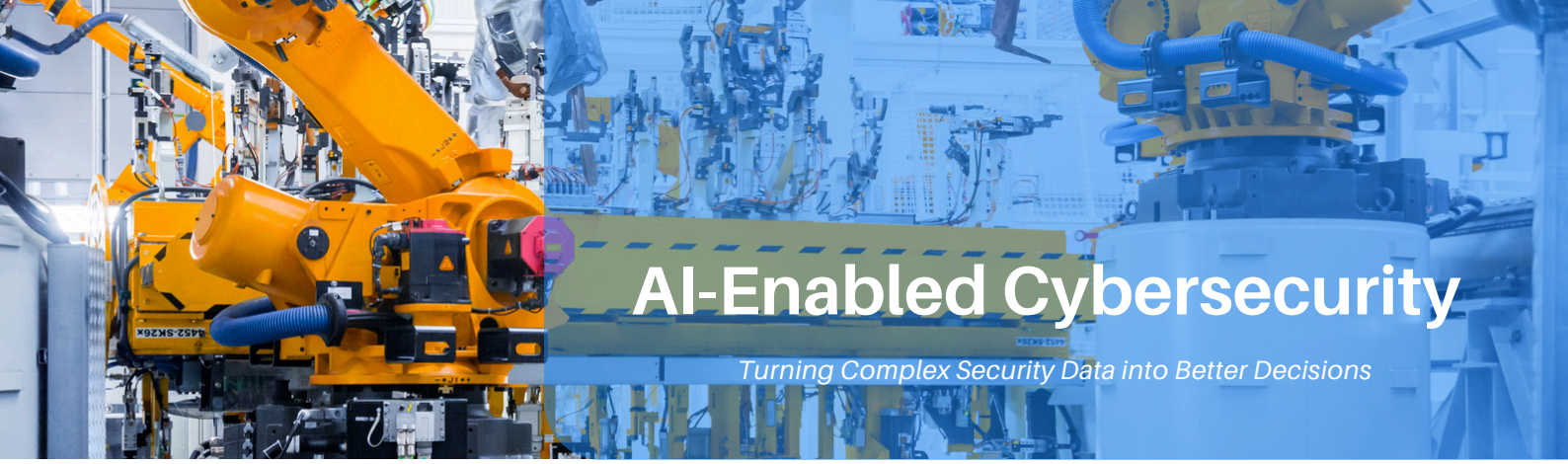
THE CHALLENGE

The organization had access to significant amounts of cybersecurity data, but extracting meaningful insight from that information remained difficult. Security analysts were required to manually investigate potential threats across multiple tools and data sources. Each investigation could involve gathering information from different systems, correlating evidence, and applying specialist knowledge to understand what had occurred and determine the appropriate response.

Investigations were time consuming and resource intensive. Outcomes could depend heavily on access to experienced specialists. Valuable context was distributed across different security platforms and data sources. Even when an existing security tool successfully identified anomalous activity, significant investigative work could still be required before analysts understood the wider content and risk. The challenge was not simply detecting more threats. It was closing the gap between security data and informed security decisions.

THE SOLUTION

Island Networks developed a secure AI-driven cybersecurity platform that connects the organization's existing security tools, data sources, and specialist knowledge into a unified decision support capability. Rather than replacing security technologies that were already working, the solution integrated AI directly into the customer's cybersecurity ecosystem. Specialist AI agents were designed to support information gathering, data correlation, threat analysis, risk assessment, and investigation, while a natural language interface made complex security intelligence easier for analysts to access. Island Networks introduced the solution through a phased proof-of-concept approach, supported by cybersecurity, AI, engineering, and governance expertise. Human oversight, explainability, and responsible AI principles were embedded throughout, ensuring analysts retained control of final decisions while AI accelerated the investigative work required to reach them.



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ABOUT ISLAND NETWORKS

Island Networks helps enterprise organizations design, integrate, and operate secure technology environments across infrastructure, cloud, cybersecurity, AI, and automation. Working across the U.S., Europe, and Asia, Island Networks combines engineering expertise with practical delivery to help customers modernize complex technology environments while building on their existing investments.

SOLUTION COMPONENTS

- **Agentic AI and multi-agent architecture**
- **Large Language Models**
- **Retrieval Augmented Generation**
- **Security Knowledge Graphs & Data Correlation**
- **API Driven Integration & Cloud Native Architecture**
- **Responsible AI, Governance, and Human Oversight**

BENEFITS

1. **Faster Investigations**
   Accelerates information gathering and correlation, helping analysts reach understanding sooner.
2. **Reduced Manual Effort**
   Automates repetitive investigative tasks so security teams can focus on analysis and response.
3. **Greater Consistency**
   Creates repeatable AI assisted workflows across complex cybersecurity investigations.
4. **Accessible Security Intelligence**
   Natural language interaction makes advanced cybersecurity insights available to a broader range of analysts.
5. **Improved Transparency**
   Evidence based outputs provide greater visibility into findings, reasoning, and conclusions.
6. **Scalable AI Foundation**
   Creates a governed foundation for expanding AI across additional cybersecurity use cases.

> “It didn’t cost much in terms of money or effort to get something stood up, and that was largely because Island Networks met us where we were. They understood the parts that we didn’t know and were able to work with different parts of our IT team to get those in place.”
>
> **Director, IT Security at Global Tech Manufacturer**

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