



Customer Case Study

Engineered Seal Products Azure Data Migration



Engineered Seal Products



Engineered Seal Products is a leader in the seal industry, renowned for providing engineered solutions, extensive testing, and distributing high-quality seal products. With strategic facilities in India, China, and seven locations throughout the United States, Engineered Seal Products has established a strong global presence and is recognized as a pivotal industry competitor.

Highlights

Challenges

- High costs, complexity, and inability to scale with on-premises infrastructure.
- Operational bottlenecks across global operations.
- Increased IT overhead and security concerns.

Challenges

On-premise infrastructure limitations, such as cost, complexity and inability to scale quickly.

Engineered Seal Products recognized limitations with its on-premises infrastructure that resulted in increased cost and management complexity. With the company's continued growth, the existing setup could not scale efficiently, leading to operational bottlenecks. This slowdown was particularly problematic given Engineered Seal Products's global footprint, which required a robust system capable of managing large-scale data flows.

Prompted by these concerns, Engineered Seal Products recognized the need to transition to Azure's cloud-based environment, providing scalable architecture, improved data security, enhanced system redundancies, and reduced IT overhead. Engineered Seal Products selected US Signal® IT Solutions for this pivotal process due to its proven experience with cloud migrations and its collaborative approach involving knowledge transfer and empowerment of Engineered Seal Products's internal team.



Solutions

Solution

- Migrated to Azure for scalability, security, and cost efficiency.
- Partnered with US Signal for expert migration and knowledge transfer.
- Leveraged Azure's advanced features for optimized infrastructure.

Results

- Scalable, high-performance system with improved reliability.
- Clearer cost visibility and better resource management.
- Enhanced security and IT posture.
- Empowered internal team to manage ongoing tasks.

The Azure migration was carefully planned to ensure a smooth and seamless transfer of data and system integrations. US Signal not only managed the complex aspects of the migration but also engaged with Engineered Seal Products's internal team. Engineered Seal Products's staff were educated on the process, allowing them to handle many of the recurring tasks. This guidance empowered Engineered Seal Products's team while simultaneously optimizing costs.

A substantial consideration in preparing for the migration was determining the portions of Engineered Seal Products's infrastructure that could be transferred directly to Azure and those benefiting from Azure's advanced features for more effective implementation. US Signal played a crucial role in these decisions, providing expert advice on leveraging these capabilities.



Results



Moving to Azure has proved transformative for Engineered Seal Products's operations. Engineered Seal Products was able to utilize a scalable architecture that improved overall system performance and reliability. The change also enabled clearer visibility into operational costs and resource utilization, resulting in enhanced strategic decision-making and resource management. Additionally, enhanced security measures implemented within Azure significantly strengthened Engineered Seal Products's overall security posture.

This strategic shift addressed Engineered Seal Products's immediate operational needs and laid a solid foundation for future technological innovations. Now better positioned to handle growth and embrace new opportunities, Engineered Seal Products is poised to maintain its competitive edge in a dynamic global market.

"Our partnership with US Signal was crucial to this project. While we have a lot of highly capable employees, US Signal provided them with a roadmap and the expertise to fill in any unknowns. The knowledge transfer to our team was exactly what we were looking for. Engineered Seal Products will not hesitate to reach out to US Signal for new projects because it's not only faster, but more importantly, we know it's done with best practices in mind."

– Network Administrator, Engineered Seal Products



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