EPLEXITY

Positronic Case Study

Project: AWS Migration from a Private Cloud
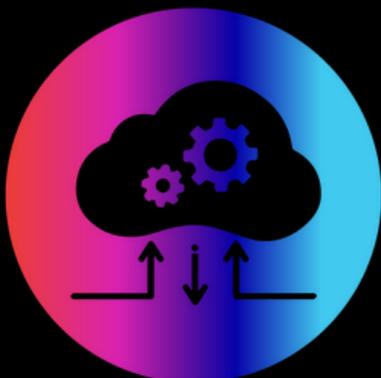**Company:** Positronic
Industry: Manufacturing

About:

Positronic is a manufacturer headquartered in Springfield, MO with manufacturing plants and offices globally. Positronic supplies electronic connectors that are utilized in a variety of industries worldwide including military, aerospace, telecommunications, and medical, among others.

In their line of work, providing connectors for critical services, failure is not an option. Picking a Cloud was no different – they required one with global reach that could support mission critical workloads.

Challenge:

To make the business case for AWS the company's IT had to focus on price, reliability, global scalability and ensuring near-zero down-time would incur during the migration. The solution must accommodate their ERP workloads, VDI infrastructure, and various business critical applications. Further – various regulatory compliance required Disaster Recovery site that could recover entire operations within a couple hours in another geography.

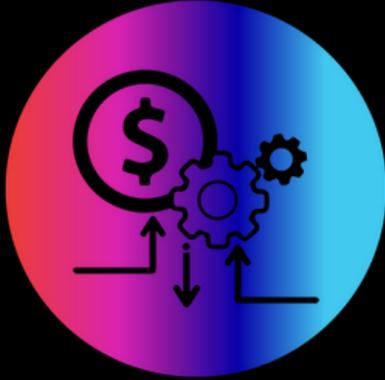Zero downtime during migration process.

Solution must accommodate all ERP workloads.

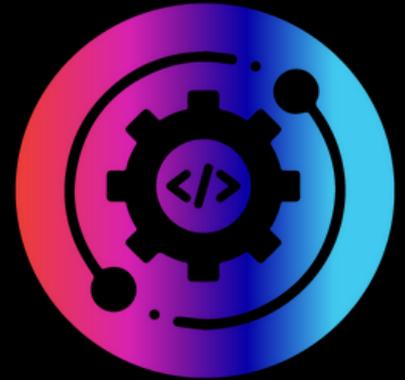Quick and efficient disaster recovery solution required.

Solution:

Positronic was able to reduce total cost of ownership saving them $925,000 over three years by moving to AWS from Private Cloud with nearly no interruptions. Positronic increased performance and scalability by designing resources to scale to meet demand when required. Balancing resources across Availability Zones and building resources to automatically heal, improvised improved availability and durability.

Reduced cost significantly by performing a TCO analysis and migrating to AWS.

Increased performance by designing resources to scale on demand.

Automation improved availability and durability.

Outcome:

High Availability: Leveraging the platform capabilities to allow infrastructure to self-heal providing high availability

Increased Resiliency: Replacing fixed infrastructure in a single data center with infrastructure split across multiple AZs

Global Scalability: Scaling the infrastructure automatically to meet the global employee virtual desktop demand

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