

NexusTek assisted Vault Pressure Control to launch their newly independent business on strong footing by establishing a hybrid cloud infrastructure, complete with a custom cybersecurity solution to secure their data and ongoing vCIO consulting to ensure alignment of IT with business goals as the company continues to grow.

Overview



Location: Houston, TX

Company Size: 600+ employees

Type: Privately Held

Industry: Energy, Oil & Gas

Website: www.vaultpc.com

Customer Profile:

Vault Pressure Control provides equipment, expertise, and field services to facilitate oil and gas drilling, completion, and production, with solutions tailored for use in high-pressure and high-temperature environments.

Solution Benefits:

- Established hybrid cloud infrastructure for 600 users across 24 locations within 60-day timeline.
- Migrated employees' Microsoft 365 accounts without downtime during transition.
- Reduced likelihood of unauthorized device access and social engineering attacks.

Business Need

Vault Pressure Control began as the Surface Control Pressure Flow business unit of the Oilfield Equipment segment of Baker Hughes, a large corporation specializing in energy technologies. When Baker Hughes decided to spin the business unit off into an independent entity in 2020, Vault Pressure Control faced the task of establishing an entire IT infrastructure to support their operations.

Multiple challenges lay before Vault Pressure Control as they separated from Baker Hughes. One complex challenge was determining which infrastructure components to retain, and which would stay with the parent company. The company also needed assistance to determine whether a hardware and networking refresh was appropriate.

Compounding the pressure, they had only 60 days to complete their infrastructure setup and migration of users, all while continuing to serve oil and gas drilling customers and maintain operations. With 600 employees, 20 locations across the United States, and 4 international locations, Vault Pressure Control had a massive job to do and not much time to do it.

Solution

NexusTek began by assisting Vault Pressure Control to take stock of their existing IT infrastructure. This assessment determined that the company essentially needed a whole new IT environment for all office and field locations.

NexusTek engineers installed new, extensive networking in their locations across the U.S., setting up a new phone system as well. Outdated hardware items were refreshed, including several employee laptops and a server at their headquarters in Houston.

Vault Pressure Control also chose to set up a new cloud-based infrastructure, and NexusTek coordinated the complex migration of data from the parent company's system to their new cloud-based infrastructure. This included migrating all employees' Microsoft 365 accounts to the new environment.

Solution Benefits Continued:

- Dedicated engineer and 24/7/365 help desk resolve IT issues to keep employees productive.
- IT Spend Assessment resulted in IT cost savings of \$27,000.
- Technology leadership services align IT strategy with business goals.

Solution Continued

Next, to protect their digital assets, Vault Pressure Control needed a cybersecurity program. As they were seeking three specific solutions, NexusTek created a custom cybersecurity plan consisting of multi-factor authentication (MFA), email filtering, and employee security awareness training. NexusTek also supported the company's cyber resilience with a business continuity and disaster recovery plan.

To keep their new IT systems running smoothly, Vault Pressure Control opted for NexusTek's Complete IT Services with a dedicated engineer. They chose to add technology leadership, or Virtual CIO (vCIO), services to round out their ongoing technology support and consultation services from NexusTek.

Results

As Vault Pressure Control made the momentous transition to an independent business, NexusTek ensured that their new IT infrastructure was established without a hitch. Although a hybrid cloud infrastructure supporting 600 employees across 24 locations had to be created virtually from scratch in 60 days, their operations did not miss a beat as NexusTek worked in the background to keep their IT running smoothly.

With an almost entirely new IT infrastructure, Vault Pressure Control is moving forward as an industry-leading provider of pressure control, production, drilling, and completion solutions, without having to worry about IT performance issues. Although their sites are located across three continents, they can rely on a single service provider to monitor their infrastructure and provide technical support 24/7/365.

The company's new security solutions strengthen their cybersecurity posture, improving their capabilities to protect sensitive data associated with oil and gas drilling customers, employees, and vendors. Email filtering protects against phishing attacks, and routine employee cybersecurity awareness training reduces the likelihood of employee error. Implementing MFA vastly reduces the risk of bad actors gaining access to company networks via credentials theft.

Vault Pressure Control's management of heavy equipment related to oil and gas drilling is a high-stakes operation, and worker safety is critical. In such an environment, IT system downtime can be dangerous as well as expensive. Having established a business continuity plan with NexusTek, Vault Pressure Control has access to redundant infrastructure that keeps business-critical systems up and running reliably. In addition, their disaster recovery plan protects against data loss, even in the event of disaster or ransomware attack.

Taking advantage of the vCIO services, Vault Pressure Control obtained an unexpected benefit in the form of cost savings. Their vCIO completed an IT Spend Assessment and discovered that the company was spending twice what they needed to on several solutions (e.g., application subscriptions). By switching to more cost-effective options, the company saved about \$27,000.