Engineering firm in Bangladesh employs cloud solutions to streamline daily operations

As the largest engineering conglomerate in Bangladesh, Energypac covers a wide range of industries ranging from manufacturing of heavy machinery to power generation. As part of its goal to be a sustainable organization, Energypac puts great emphasis on digitalization and the optimization of resources. By implementing Microsoft Azure, the company has reduced costs and streamlined operations across its various departments, as well as opened up avenues for future growth.

Energypac
Country: Bangladesh
Industry: Energy
Solution: Microsoft Azure

Founded in 1982 as a power engineering company, Energypac has since expanded into a multi-industry engineering products and services provider that covers agro machinery, construction machinery, and even fashion. The company focuses on providing sustainable solutions tailored to each industry's specific needs, and digitalization plays a key role in the process. The company's considerable expansion, however, came with a new set of challenges. Energypac needed to keep all its essential business tools in a secure environment that satisfies all performance needs, while keeping its costs low.

Ensuring performance needs and optimizing costs

One of the company's visions is to bring its various departments and operations under a single framework. To do this, Energypac chose to move to a cloud-based solution for its daily business needs. The company opted to migrate to Microsoft Azure in early 2020. "From the industry experts we got the information that SAP S/4HANA ERP runs very smooth in Microsoft Azure as the VMs are well optimized with SAP for faster performance. After moving our SAP ERP landscape to Azure, we have found this to be more than true," says Wahid Sadat Chowdhury, Chief Information Officer at Energypac.

The main driving force behind the move was to ensure that various training, development, and day-to-day business tools could be used seamlessly by all employees. With the COVID-19 pandemic, Energypac also wanted to explore cost-saving strategies during the recession.

"One aspect that made the migration smooth, was that the Microsoft team provided us with a very flexible implementation journey."
— Wahid Sadat Chowdhury, Chief Information Officer at Energypac

Moving towards a unified system

The migration from another cloud-based service to Azure took place over the course of a few months. Starting with the move of the development server, followed by quality and production, the Energypac team had to verify that no business processes would be interrupted before the actual switch. Microsoft and the local implementation partner

eGeneration supported the transition to Azure, helping the in-house team overcome all challenges.

"One aspect that made the migration smooth was that the Microsoft team provided us with a very flexible implementation journey. After getting in touch with the Microsoft Singapore team, we were given 3 months of free access to the infrastructure to do our research and development," says Chowdhury. "The local support we received was something we hadn't been getting from other service providers."

A scalable solution in an ever-growing industry

The benefits of migrating to Azure are two-fold. For management, it's the reduced costs and scalability. As Energypac uses a variety of in-house apps and tools for managing day-to-day business, it's important to have flexibility in terms of storage amount and performance speed. "For us, it's important that we can review and increase our landscape at any time, as our needs for more storage or RAM increase," Chowdhury explains.

For daily users, Azure ensures better performance across all departments. Accessing data-heavy reports like monthly sales reports has become faster, improving the overall workflow efficiency with on-demand access to data.

Another important aspect of the new system for Energypac is the ability to easily create test environments and sandboxes for internal use. This makes implementing software upgrades and training new employees much more streamlined. "For the development of our in-house team and in-house consultant, we have created a sandbox in Microsoft Azure at the expense of a few dollars," Chowdhury notes. This lets the in-house team explore new software updates and assess performance before actually upgrading.

Following the initial success of the migration, Energypac's management envisions bringing all companies in the conglomerate under a unified platform. This way, everyone can have quick and reliable access to crucial business data. The shift will require some adjustments yet again, but Chowdhury is confident of the outcome. "We have a great internal team implementing the work, with the help of Microsoft and eGeneration," he enthuses. "Most of the challenges we have overcome through teamwork."

Energypac
Energypac Power Generation Ltd.

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Products and services
Microsoft Azure

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