EDB POSTGRES AI

CUSTOMER SUCCESS STORIES

Feeding the World Requires Near Zero Downtime for This AgTech Leader. Here's How They're Doing It with EDB Postgres® AI

CUSTOMER:
AGTECH LEADER

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OVERVIEW

The Crucial Role of Efficiency in Agriculture

The landscape of farming and agriculture has evolved dramatically in recent decades, largely because of advancements in information technology and the widespread availability of real-time data.

This technological revolution couldn't have come at a more critical time. The world is grappling with widespread food insecurity— as many as 783 million people are facing hunger, according to the World Food Programme— and factors like war, climate change, and high fertilizer costs have disrupted global supply chains. The agriculture industry continues to face intense pressure to operate with maximum efficiency.

Fortunately, software solutions have made it possible for agribusinesses to work smarter amid the chaos. By harnessing real-time data, predictive analytics, and automation, agriculture businesses can preempt obstacles, optimize responses to crises, and drive efficiencies throughout their operations. The impacts can be huge. McKinsey reported in 2022 that agriculture companies that have taken these steps to build "digital twins," or replicas of their supply chains, have seen a 10% cost reduction and cut inventory up to 25%.

Agricultural Tech Leader Breaks Free of Oracle Trap and Finds Freedom to Scale in the Cloud

Of course, these applications require near-zero downtime to be effective. If they fail for extended periods of time, production and delivery can be disrupted, and adverse business impacts are immediate. Perishable items spoil. Deliveries are missed. Worst of all, people are unable to get the food they need.

Leaders at one international agriculture company found themselves facing this dilemma. They rely on high-volume applications for important supply chain functions, including quality control and transport logistics and felt trapped by their legacy database system. Unlike most organizations, they were running these applications in an on-premises Oracle database environment — an outdated process that didn't align with their evolving business strategy. The lack of autonomy and flexibility made growth nearly impossible, and costly interruptions were a constant concern. One glitch could spell disaster.

The obvious solution was to migrate to the cloud, which would enable freer and more effective data movement and interaction. With Postgres, they knew they'd be able to achieve high availability so that data would deliver and perform when — and where — it matters most. No more single point of failure. No more concerns about system failures. Even Oracle has acknowledged that there are major benefits to becoming cloud-based, including increased capacity, scalability, performance, and security. There can be sizable cost savings too. This is why 65% of all application workloads will be optimized or cloud-ready by 2027, according to Gartner.

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About EDB Postgres AI
EDB Postgres AI is the first open, enterprise-grade sovereign data and AI platform, with a secure, compliant, and fully scalable environment, on premises and across clouds. Supported by a global partner network, EDB Postgres AI unifies transactional, analytical, and AI workloads, enabling organizations to operationalize their data and LLMs where, when, and how they need it.
For more information, visit www.enterprisedb.com.

EDB Moves Essential Supply Chain Workloads to AWS and Fuels Growth

Quickly, the agriculture company identified EDB as an ideal business partner and moved essential supply chain workloads to AWS cloud by deploying EDB Postgres Distributed on the fully managed EDB BigAnimal Postgres-as-a-Service. EDB's Oracle compatibility meant their data looked, felt, and operated the same, so they didn't need to learn and adapt to a new system. Plus, with no app rewrites, they were able to get up and running fast.

Now, the company has a geo-distributed database solution with active/active architectures and near-zero downtime assurance. They're better equipped to serve their current customers and now that they're free from vendor lock-in, they have the flexibility to grow their business too.

In this era of transformation, equipping your business with solutions like EDB Postgres Distributed ensures that you're ready to harness the full potential of your databases. To remain competitive in this evolving market, you must prepare for the future. Let EDB help.