![Xoriant logo]

CASE STUDY

60% OPEX SAVINGS FOR PLANT MANAGEMENT PROVIDER USING MICROSOFT AZURE X·CELERATE IOT SOLUTION

Scalable IoT solution improves execution efficiency by 60%

Client Background

Our client is a leading California-headquartered plant management platform provider. Their plant management platform is purpose-built to improve yield, maximize productivity, and ensure compliance standards for process manufacturers. The client's solution drives real-time visibility and control to optimize performance across all manufacturing locations. However, the solution was built on proprietary legacy technologies which led to the client's resources being forced into extensive manual effort for data collection and processing. This in turn became an obstacle for scalability. To ensure an automated ecosystem, the client knew they needed to make this **data collection and processing smarter and more scalable**.

Xoriant Solution | Key Contributions

Xoriant has been the client's chosen technology partner for over 7 years. This longstanding relationship and collaboration strengthened our client's trust in our expert engineering team with excellence in delivery. The client collaborated with Xoriant's IoT team based on its quality and depth of experience in IoT and Microsoft Azure cloud to design an automated solution with scalability being a cornerstone of the solution. Our key contributions include the following:

- Building a multi-tenant solution for the client
- Setting up a device onboarding process using Xoriant X·CELERATE IoT which enables automated device onboarding, allowing the client to seamlessly scale deployment of the solution to connect multiple plants globally

KEY BENEFITS

- Provided a scalable and highly cost-effective solution, reducing costs by 30% over the existing solution

- Reduced operational expenditure by 60% as a result of high availability

- Improved execution efficiency by 60% resulting in cycle time reduction

- Improved insight generation ability with integrated AI and BI capabilities

- Providing a method for the client or their partners to stream time-series sensor data to analyze data streams for events, resulting in automated notifications and records submissions in the client's platform

- Developing an analytics portal having near-real time data analytics with streaming data using IoT Hub, Azure Stream Analytics, and Power BI, to enable the client to respond quickly to alerts generated in near real-time

- Providing insights on historical data and patterns through a process designed to work with different variables

Technology Transformation

Microsoft Azure IoT Hub | Microsoft Azure Stream Analytics | Cosmos DB | Microsoft Power BI | C#

Xoriant is a product engineering, software development and technology services company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our 14 global offices with over 5000 software professionals. Xoriant has deep client relationships spanning over 30 years with various clients ranging from startups to Fortune 100 companies.