



To Streamline Business Operations, Global Distributor Relies on Tiempo to Modernize Legacy ERP Application

About the Client

Founded over 50 years ago, the client is a global distributor of electronic components, serving hundreds of thousands of customers in partnership with hundreds of suppliers. The company operates 14 locations in the U.S. as well as Mexico, Hong Kong and Malaysia.

The Challenge: Gain Real-Time Access to KPIs and Inventory

The senior management team at the distributor set a key corporate objective for the IT team to update the company's legacy ERP application, which manages operations across the company's stores and two websites. Among the specific functionality requirements was the ability to easily run reports to analyze key performance indicators (KPIs). The client also wanted to integrate inventory tracking across stores and websites so an accurate count of all items could be generated in real time. To take on this challenge, the IT team realized it would need resources with experience in the latest database and software integration technologies.

The Development Environment

- » Agile Methodologies: Kanban and Scrum
- » Agile Management Solution: Asana
- » Automation Server: Jenkins
- » Automation Testing Solution: Katalon Studio
- » Development Tools: SQL Server Management Studio & Visual Studio 2017
- » Programming Language: C#
- » Software Architecture: Web Services
- » Software Framework: .NET Core 2.2.5

The Solution: Past Experience with Tiempo Provides Confidence

While working for a previous employer, one of the senior members of the client's IT team had collaborated with Tiempo Development and knew the value Tiempo could provide in software development, database integration, application testing, and project management. The Tiempo team, led by a Scrum master, normalized the data produced by the ERP system and built a centralized Microsoft SQL Server relational database to transact and store all information generated by the company's stores and websites. Leveraging Microsoft .NET development tools as well as Agile principles, Tiempo also helped the client implement CI/CD, featuring automated unit testing and bug fixing.

The Results: Faster Access to Information Improves Efficiently

The collaboration with Tiempo is enabling the client to successfully modernize its legacy ERP system. By integrating the ERP database across the websites and stores, the solution allows the global distributor to tap into that vital "single version of the truth" all businesses require when analyzing KPIs. With a relational database in use, the client also benefits from more accurate, real-time data on how the business is performing and available inventory. As managers quickly run reports, they can make faster decisions, and tying together inventory from the stores and websites permits the distributor to know immediately which orders can be filled —thus providing a higher level of customer service.

The Customer's View

"The Tiempo Team goes well beyond software development, test automation and agile project management. They also consult at high levels when planning software development projects. They steered us toward the right software architecture to modernize our ERP system data project which was vital in achieving success."

About Tiempo Development

Tiempo is widely recognized as one of the leading software engineering companies in the US. Using a combination of nearshore engineering resources, high-performance teams and relentless focus on client outcomes, Tiempo designs, builds and deploys software that makes lives better. Tiempo is headquartered in Tempe, Arizona, with four-world-class software development facilities in Mexico. Tiempo has been recognized annually by Inc. Magazine as one of the Fastest-Growing Private Companies in America.

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