



## ***Large Steel Producer Turns Software Development into an Investment by Partnering with Tiempo***

### **About the Client**

Founded almost 40 years ago, the client is one of the largest domestic steel producers and metals recyclers in the US. With facilities throughout the US and Mexico, the company operates 16 steel and iron processing plants as well as 90+ metal recycling locations.

### **The Challenge: Reduce Timeline for Modernizing Legacy Application**

The client needed to modernize a legacy application that manages manufacturing operations at seven facilities; division managers wanted to move the application to the cloud and add new functionality to enhance manufacturing processes. Expecting the project would require 24 months to complete, the division turned to an IT staffing firm to augment internal resources. But after completing the planning phase with the staffing firm, the company discovered the project would take five years to complete—an unacceptable time frame.

### **The Development Environment**

- » Architecture: SOA, MVVM
- » Languages: C#, XAML, SQL, Delphi, Visual Basic 6
- » Tools: DevOps, Jenkins, Git, Selenium, ReSharper, Sharepoint, TestComplete, Collaborator, WinAppDriver
- » Technologies: .NET Framework, .NET Core, Docker, WPF, WCF, MS SQL Server, Entity Framework, Telerik, Calibur.Micro
- » Environment: Desktop, On-Premise Web Services
- » Concepts: Agile, Scrum, Continuous Integration, .NET Standard

## The Solution: Tiempo Facilitates Communications Among Multiple Teams

The client realized a higher level of software development expertise would be required to accelerate the completion of the legacy software modernization project. In addition to development resources, the division needed expertise in streamlining software processes so new code could be deployed faster. The client found their answer to this challenge by turning to Tiempo Development. Tiempo began managing the program using a Scrum process and set up regular meetings with resources from the client's team and the IT staffing firm. This made it possible to establish clear communications and build more efficient development and testing processes among all three teams.

## The Results: Legacy Application Moves to the Cloud as Project Timeline Decreases

Tiempo helped the client by applying Agile principles to the development process while also providing program management along with additional software coding and testing resources. The division now anticipates completing the project within the initial time estimation. As part of the modernization effort, Tiempo is assisting in migrating the operations software to the cloud, which will make it possible to monitor the performance of the seven plants from a single application view. The success of the Tiempo team impressed the CIO to the extent that when additional resources were needed for a similar project in another division, Tiempo was tabbed as the sole partner to take on the project. Tiempo has essentially changed the clients paradigm towards software development—which is now viewed as an investment rather than a cost.

## The Customer's View

"We wanted to find another partner for additional developer and testing resources, but after connecting with Tiempo, we realized they offer so much more—technical leadership and program management that accelerate software development."

## 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.

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