

ERP System

Client is Canada based manufacturer of replacement bumpers for pickup and semi-trucks. Customers are primarily truck dealers across United States and Canada. The Project was to replace existing ERP system, which was aging, getting technologically outdated, extremely slow in performance and didn't fit into client's business processes very well.

Challenges

e-Zest responsibility was to achieve a rollover to a fully integrated custom developed ERP system that is crafted with client's business processes in mind, replacing existing ERP system, disintegrated software tools and manual processes in a phased manner.

Solution

New customized ERP solution delivered by e-Zest served as a central IT System for the client using scalable technologies. The new solution was integrated closely with other custom developed or third party solutions like client's website, supplierNet Platform, SolidWorks and QuickBooks.

Technology

The new system, considering its enterprise wide scope, is developed using multiple components that use different technologies as suited. The primary technology stack uses enterprise scale architecture patterns proprietary to e-Zest called Enterprise-Oriented Paradigm (EOP). This architecture separates out every small piece of functionality as reusable component, assisting in easy reuse and integration in a typical enterprise application integration scenario.

EOP uses java and allied technologies, is database independent and cleanly separates user interface and business logic as independent components. This enables use of different user interface technologies for different business needs. For example, in this project, the scheduler and shop floor modules that are always used on-premise and require rich user interface are implemented using Microsoft .NET whereas rest of the modules use web-based java technologies, primarily Smart GWT from Google.

Conclusion

The new ERP System delivered by e-Zest becomes a source of revenue for client. e-Zest has successfully demonstrated its capability to go beyond being technology or IT partners by taking a leading role in defining and refining business strategies and business processes for the client, providing overall IT consultation in terms of scoping, prioritization, IT infrastructure and software engineering practices.