

Modernized enterprise systems for a leading automotive manufacturer to maximise productivity





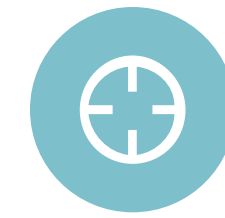
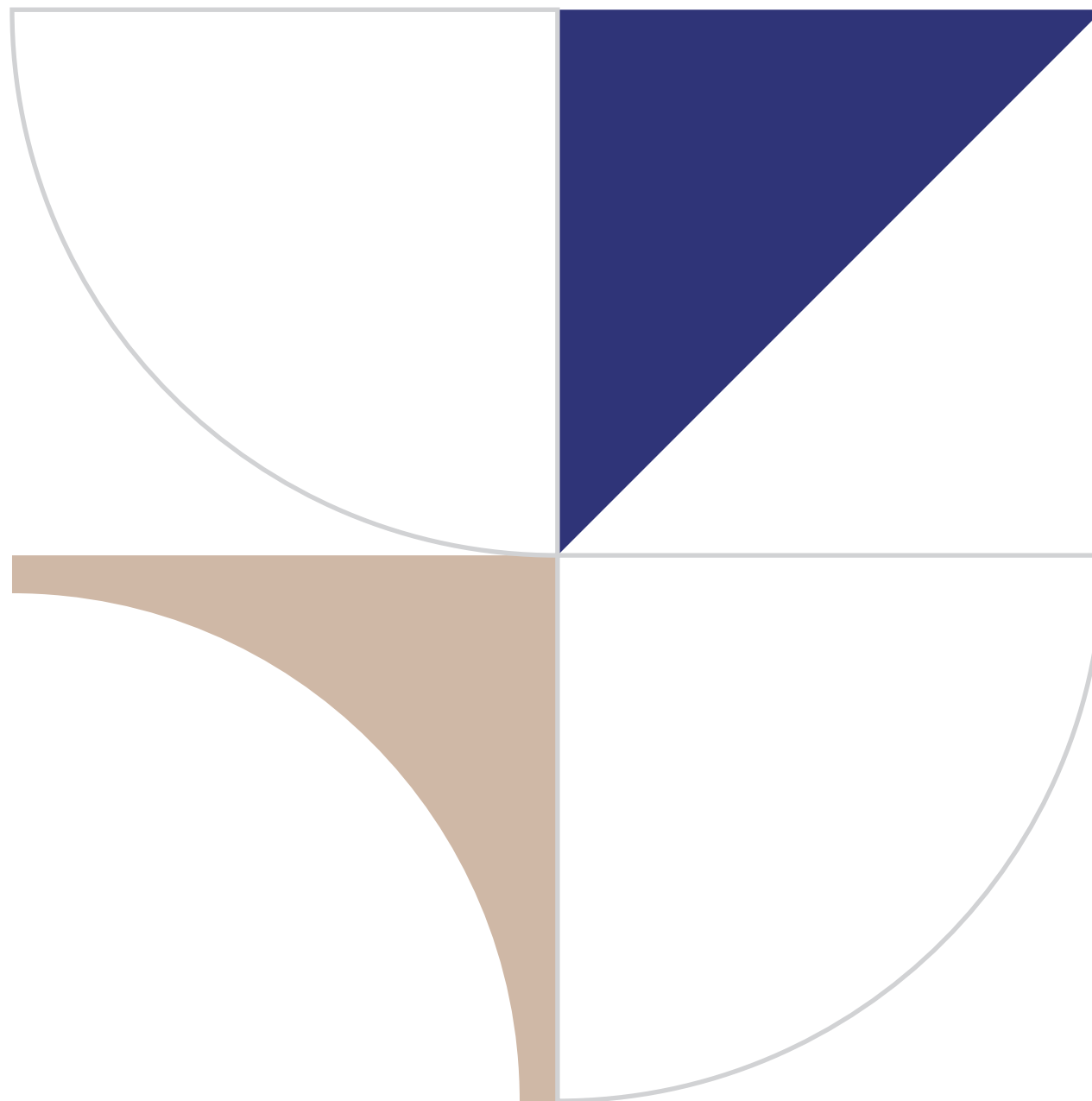
Overview

The client is a leading provider of advanced location-based solutions that maximize productivity and enhance profitability. The client integrates its positioning expertise in GPS, laser, optical and inertial technologies with application software, wireless communications, and services to provide complete commercial solutions.

Organization Size: **200000+**

Country: **South Korea/USA**

Revenue: **\$225 Billion**



Challenges and Goals

The client's IT department was not able to keep pace with new technology and faced the following challenges:

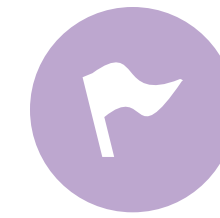
- Aging systems based on obsolete and legacy technology.
- Inability to expand the business because technology was not able to keep pace.
- Tacit knowledge of availability of new technology and know how to integrate with the current systems.
- Brittle and monolithic architecture with too many interfaces creating complexities



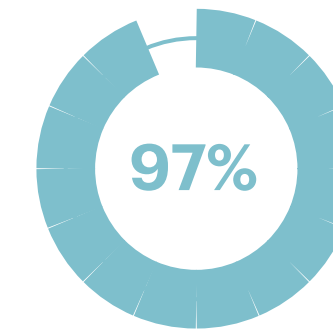
Solutions

As an implementation partner, we analyzed the existing JD Edwards environments, crystallized and prioritized all the requirements and proposed an architecture using Oracle SOA Suite 11g and based on the Oracle Application Integration Architecture (AIA), as the best fit for addressing the long-term integration requirements. Key solution implementation included:

- Providing a layer of abstraction between a diverse set of ERPs as the Oracle AIA methodology allowed for maximum re-use of existing adapters, software components, industry standard data models.
- Reducing complexity by the use of Oracle Services Bus 11G wherever possible to increase the performance and scalability of the solution.
- Applying a security model that adhered to DoD and SOX standards, providing separate service levels based on security and availability requirements.
- Enhancing UI and UX for ease of use of business user and modernizing the front-end to .NET 4.0 accessing backend on AS/400 and integrating with the SAP backend.



Business Impact



Accuracy of inventory count

- Achieved 100% user satisfaction for user friendliness and speed of the systems
- 200+ integrations implemented
- New features of .NET Framework 4.0 like code refactoring for enhanced performance of the system



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