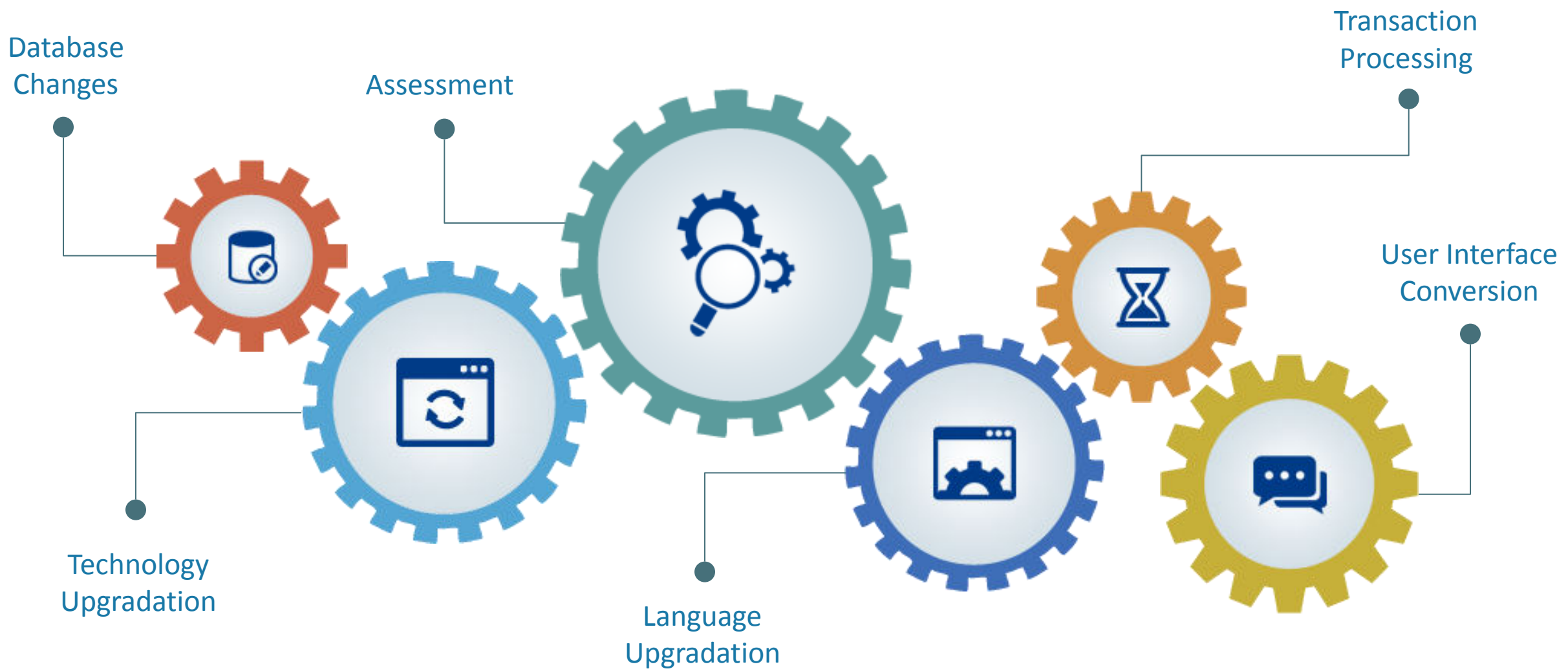


Novigo Application Re-engineering Methodology

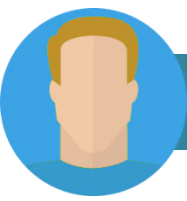


Novigo Solutions Assists Fortune 500 Product Company Reduce Costs And Scale Up To Meet Growing Business Demands

Novigo Solutions Re-engineered a 30-year-old ERP Application from Microsoft Silverlight and PRO-IV to .NET 4 and MVC 3.0 Environment with completely responsive User Interface design. During the process, we brought about significant decrease in costs, increased ability to meet today's compliance needs, eliminated the need for legacy skills and created tons of other benefits to the end users.

Legacy Modernization in simple words would be to convert or re-write a legacy system in modern programming languages to meet technology and business scenarios. This is a much-needed service for all legacy systems and helps in reducing costs by optimizing business processes, automating manual processes and enhancing functionalities and compliance.

Novigo's legacy modernization services guarantees ease of application maintenance. We assure porting of your legacy systems to newer technologies without disrupting existing business processes. 75% of enterprise IT budget is expended on ongoing operations and maintenance, leaving just 25% for new investments. We help diminish the 75% costs leaving more scope for newer investments.



Challenges Faced by the Client

- ▶ Since the code was built in the 1980-90s, there were huge amounts of unused and redundant lines of code making the product clunky and slow, lowering response time
- ▶ The cost of maintaining the legacy systems were burning a hole in the IT Budgets
- ▶ Sourcing, training and hiring legacy skills was a major pain and causing a strain within the HR and Talent Acquisition departments
- ▶ The ERP was developed on legacy software that could not fulfill the market's growing demands and was also not able to support added functionalities
- ▶ The ERP had to be installed on every user machine independently – updating patches and upgrading products was a major especially since the client's customers consisted of large employee bases spread across global locations
- ▶ Another huge drawback was the compulsion to first download and install Silverlight before installing the ERP on the user machine
- ▶ Silverlight was incompatible with the latest hardware configurations
- ▶ The product was not portable and could only be accessed from Microsoft Windows Operating System
- ▶ User Interface was not responsive and it takes lot of redundant effort in making it accessible from major known browsers.



Novigo Approach and Solutions Implemented

Novigo consultants analyzed the legacy source code, identified key pain points and suggested Microsoft .NET environment with MVC 3.0 architecture to support ever-scaling market demands

7 million lines of code was to be ported out of which a substantial portion was made of redundant and unused code – steps were taken to optimize the code simultaneously

A team of 15 developers and 4 quality analysts were assigned to work on product legacy modernization

The work was carried out in an onsite-offshore model.

Leveraging of SMAC practices, a customer-centric concept, along with Agile Methodologies were made use of to bring about operational excellence and come closer to the customer with minimal overhead and maximum outreach



Value Additions



All 7 million lines of legacy code were optimized and ported to the latest Microsoft technology spectrum i.e., .NET 4.5 environment and MVC 3.0 architecture



Elimination of redundant code greatly enhanced the speed and agility in functioning of the product



Added functionalities like responsive designs, social sharing and mobile apps integration were now made available



The product was now made to be portable and used across all surfaces and platforms like PC, laptops, tabs and mobile devices, improving user adoption greatly



The product was converted to a web-based application with multi tenant architecture, which eliminated the need to install on every machine. It is also now very easy to upgrade and/or install patches/updates



Code on Microsoft's latest technology spectrum made it possible to scale up the product to meet market's growing demands for more functionality



Enhanced look and feel of the product leading to much improved, intuitive and user-friendly interface



Significantly reduced the overhead expenses of maintaining a legacy system



Helped improve the market competitiveness of our client by 60% over a period of 2 years



Technology Specifications

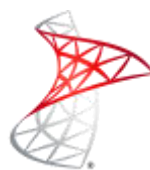


SharePoint 2013

ASP.net

MVC

ASP .NET MVC



SQL Server 2012

Browser support includes:



Firefox (1.5+), Internet Explorer (9.0 onwards), and Google Chrome. Theoretically at least, any modern browser that supports JavaScript such as Safari (1.3+), Mozilla Suite (1.6+, 1.7+), Sea Monkey (1.0), Opera (8), Camino (1.0a1)

OS support includes:



About The Client

The client is a wholly owned subsidiary of the leading Japanese information and communication technology (ICT) company offering a full range of technology products, solutions and services. The parent company has reported USD 4.5 billion of consolidated revenue for the fiscal year ended March 31, 2012.

For over thirty years, the Client's ERP has helped manufacturers to manage, improve and grow their businesses. Their technology offers a single integrated real-time data schema which allows all their customers to migrate to newer releases without fear or indecision. Providing a competitive advantage to their customers by supporting multiple locations, multiple languages, multiple currencies and multiple simple or complex business structures fitting the needs of engineer-to-order, configure-to-order, make-to-order, make-to-stock, make-to-forecast, ultra-high volume (continuous) and mixed-mode manufacturing. The Client's ERP supports your business, no matter what your industry or manufacturing mode, without forcing you to change your business processes – their ERP product is a perfect investment in your future.

About Novigo Solutions



Novigo Solutions is a Microsoft partnered provider of IT Solutions and Services. Headquartered in Bangalore, we have multiple offices across the globe in US, India and the Middle East including Oman, UAE and Saudi Arabia. Novigo's mission is to align the client's IT Strategy with its Business Strategy.

Novigo Solution's forte lies in its Business Transformation Services which includes CMS, Workflow Automation, Legacy Modernization, Enhancing Productivity in the Logistics Industry, Training Management System and Improving Customer Experience. Novigo also provides other Enterprise IT Services like consulting, software development, maintenance and testing.



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