

## Northrop Grumman



### ► The Client Requirements

As a leader in the Aerospace and defense industry, one of Northrop Grumman's key strategic initiatives was to improve the quality and processes around program management. Competitive pressures, internal performance goals along with increasing government and customer requirements made it imperative that Northrop Grumman improve its project management processes.

Northrop Grumman had successfully instituted Six Sigma as the de facto project management discipline across all sectors but lacked a system to monitor and manage the processes and report on the results.

In order to monitor the Six Sigma process Northrop Grumman required a system to improve managing and correcting projects while reporting on sector and company wide Six Sigma Projects. They believed a system to track and manage Six Sigma initiatives would increase their competitive advantage in the marketplace.

### ► The UI Solution

Unlimited Innovations, Inc. deployed a real-time management reporting solution to proactively manage and report on each sectors unique Six Sigma initiatives. The solution was developed and implemented to meet Northrop's requirements and to ensure rapid deployment and adoption by users. The solution incorporated flexible web technology which allowed for seamless application and data integration within Northrop Grumman's existing environment and user base

The system provided Program Managers and Executives with an interactive web-based planning and reporting dashboard with an intuitive graphical interface supported by Internet Explorer. From the users screen the solution allows access to disparate enterprise wide data necessary for analyzing key performance metrics for decision making and reporting related to Sigma Six processes.

The dashboards also provide email subscription tools, printable pre-filled forms, exportable document formats, logging, and other transactional tools to support the needs of the Six Sigma process separate from direct system access. Reporting tools are formatted for every level of user up to the CEO who can directly monitor the real-time financial savings impact reported from measured Six Sigma projects. All this, coupled with the ability to integrate various Microsoft Office Tools provides Northrop Grumman with a powerful and effective Six Sigma Program Management tool.

### ► The Client

Northrop Grumman is a company defined by one word – technology. From under the sea to outer space and into cyberspace, Northrop Grumman technologies and products play a key role in the evolving defense environment of the 21st century. Northrop Grumman is now a top-tier defense company, a full partner with its military customers and an inherent part of the country's national security.

As the second-largest provider of information technology for the federal government, Northrop Grumman is crucial to cyber warfare efforts, helping to protect the U.S. government's computers from Internet attack. This company is also the world's largest naval shipbuilder, with expertise in every class of nuclear and non-nuclear vessel, providing global force projection. As the commercial electronics capabilities remain world-class, their systems integration expertise allowed unparalleled surveillance and precision strike.

From its headquarters in Los Angeles, California, Northrop Grumman operates in 44 states and 25 countries. In 2002, the company's workforce stood at 100,000 strong, bringing in revenues of approximately \$18 billion.

Industries: Military defense, electronics systems, manufacturing

# The Success of Innovative Solutions

Tracking detailed Results and Statistics on its Six Sigma Initiative

## ► The Technology

A customized software solution built on a web-based platform. The web portal utilizes Microsoft Visual Studio and InterDev tools in conjunction with a Windows 2000 server and SQL software.

Users interact with the dashboard interface and easily exchange data with Microsoft Office tools (Word, Excel, PowerPoint and Project Server) for reporting and knowledge management information.

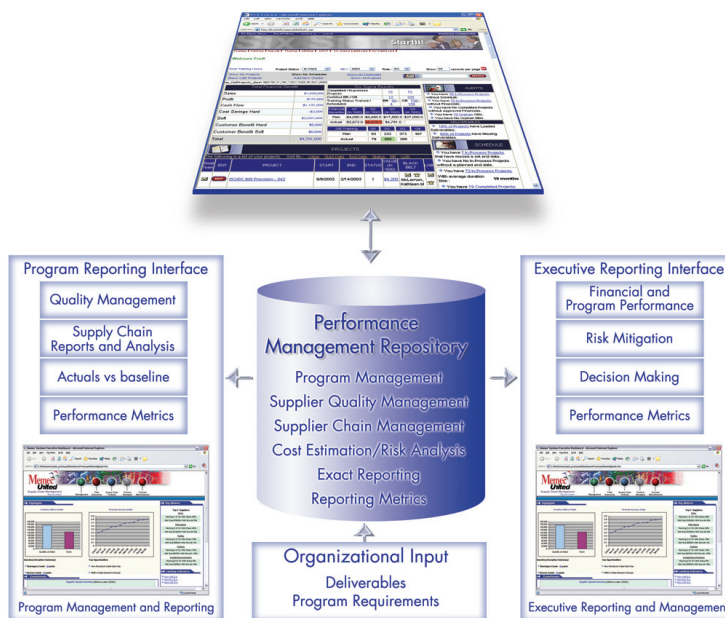
A multi-processor Intel-based server configured with RAID and other network backup options is connected to the internal network to support the enterprise-wide implementation. Both internal and off-site backup processes are supported to allow continuous availability of the site to system users.

## ► The Benefits

The Program Management office now holds several key strategic benefits such as:

- \* Providing customized, real-time progress reporting to increase the number of high quality projects finished on time and under budget
- \* Having the "take-action" functionality that reports actual vs. planned milestones
- \* Improving response, analysis, and corrective actions to underperforming programs via powerful search engines and filtering capabilities
- \* Bringing diverse group interaction into one management systems for improved communications and collaboration on project scheduling, financials, best practices and lessons learned
- \* Improved project performance utilizing trend analysis and qualitative data resulting in a 1600% ROI.

## ► Dashboard Highlights



Unlimited Innovations Inc., a California-based company established in 1996 is a leading Software Solutions Provider. We provide Systems Integration, Consulting and Development services on all platforms ranging from the latest XML and ASP-based web applications, Oracle and SQL Server database applications to Integration with Legacy Mainframe and UNIX systems.

Our Microsoft Certified Staff is available to meet your needs in all the latest Microsoft Technologies including Windows 2000, SQL Server 2000, Exchange 2000, Visual Studio and the .net Enterprise Servers.

From mid-size to Fortune 50 organizations, our experts are experienced in designing enterprise-wide architectures and developing IT Strategic Plans.

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