

Business Success Case Studies

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As the Innovator's Innovator®, IBM is committed to helping companies thrive in an era of intense competitive pressure from all corners of the globe. So, when we see our clients changing the playing field and driving real business success, we want to give them a chance to spread the word.

Its a new business era. everyone's talking innovation. Its no longer enough to offer unique products and services - now you have to create competitive advantage by doing business in a whole new way. You've got to be special.

Clients referred to in this book have demonstrated the special capabilities that make their organisations stand out from the crowd. These special IBM clients have leveraged IBM Rational software solutions and products for business innovation and competitive advantage. These clients are innovators and leaders and we are proud to share their success.

To participate in or learn more out becoming a referred client, please contact us at info@tridentinfo.com

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Trident offers a broad portfolio of services and technologies needed to deliver the benefits of information management to its customers. The company focuses on long-term relationships with its clients by providing high quality, contemporary and cost effective Software Development & IT Consulting services. Advanced technologies are translated into value for their clients through professional solutions, services and consulting businesses worldwide.

INDIAN RAILWAYS



Client Background:

In 1982, the government conceived of a project for analyzing Freight Operations Information Systems (FOIS) for the Railways. Subsequently in 1986, Ministry of Railways established the Centre For Railway Information Systems (CRIS), to be an umbrella organization for all computer activities on Indian Railways (IR). They also entrusted it with the task of design, development and implementation of the FOIS, along with its associated communications infrastructure. The Centre started functioning from July, 1987. It is a registered society having an autonomous status and headed by a Managing Director. Centre For Railway Information Systems (CRIS) is mainly a project oriented organization engaged in development of major computer systems on the Railways. Its presence across the country gives it global reach and a vast rollout support capability.

Business Need:

As Nucleus Software's core business is to provide software for Banking & Finance domain, the intent was not only to make a product with the best of functionalities but also a robust one that provided the best of both; functionality and performance, of the application.

The initial application was a .NET® based application. To cope up with the latest trends and to be competitive enough the thought was to have a JAVA™ version of the application too. The same thought process of building up a very robust Banking Application on Java Platform which could not only provide best of functionalities but also ensure software functionality, reliability and performance was leveraged at the time of seeding the thought of a new Java Application.

Solution Implementation:

IBM Rational Robot®
IBM Rational Functional Tester®
IBM Rational Performance Tester®
IBM Rational Test Manager®

Benefits of the Solution:

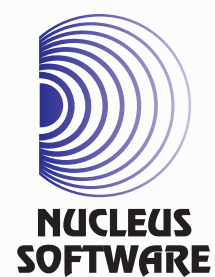
- Improved Reliability & Predictability
- Increased efficiency
- Reduced Time
- Streamlined Execution

Provided testers with automated testing capabilities for functional testing, regression testing, GUI Testing, data driven testing and a multi user load and performance testing for validating web application scalability
The benefits derived are as follows:

- A single, integrated software quality management platform which improved reliability, predictability, and team efficiency across the software life cycle.
- Superior functional testing with test automation and data sharing for streamlined, efficient test execution.
- More thorough performance testing both before and after deployment for reduced system downtime.

Services:

Sale & Sales Support



Client Background:

Nucleus Software Exports Ltd. is a leading global software powerhouse providing innovative and pioneering products and software solutions since 1986. Their core competence is wholly focused in banking and financial services spanning across solutions in the areas of Core Banking, Retail & Corporate Banking, Credit Cards, Cash Management, Relationship Banking, Financial CRM, Credit Risk & Appraisal, Trade Finance, EAI, Internet Banking, FX, Basel II, Data warehousing and Analytics.

Being the pioneer in Complete Banking Solution through their flagship product FinnOne™; which is an integrated suite of applications designed to support the business offerings of banks and financial services companies, Nucleus Software also provides services in Banking Software Domain, through Consulting, Outsourcing Software Solutions, Software Support and Maintenance and Customized Software Development.

Business Need:

As Centre For Railway Information Systems (CRIS) provides consulting and IT services to Indian Railways - as partners to conceptualize and realize technology driven business transformation initiatives. With over 2000 employees nationwide, CRIS always wanted to use a low-risk Delivery Model to accelerate schedules with a high degree of time and cost predictability. The challenge was to have the most robust software made with minimum time.

Solution Implementation:

In order to simulate a load of 300 users having different workflows, Rational® Performance Tester was used as load simulating and result analysis tool.

The solution provided included the benchmarking of new upgraded environment by using out of box results provided by Rational® Performance Tester.

Once benchmarking phase was over, tuning of environment was performed by simulating the load using Rational® Performance Tester.

Solution Implementation:

IBM Rational solutions were used for almost all the level of Software Development Life Cycle (SDLC). The Rational solutions used are as follows:

1. Requisite Pro
2. Rational Software Architect
3. Rational Application Developer
4. Rational ClearCase®
5. Rational ClearQuest®
6. Rational Robot®
7. Rational Functional Tester®
8. Rational Performance Tester®

Benefits of the Solution:

● Improved Functionality ● Increased Reliability ● Improved Performance

IBM Rational software helped CRIS automate, integrate, and govern the core business process of software and systems delivery. By using IBM Rational Solution, CRIS improved software delivery and lifecycle traceability from requirements through deployment and ensured software functionality, reliability and performance in development and production.



Giesecke & Devrient

Creating Confidence.

Client Background:

Giesecke & Devrient (G&D) is a leading supplier of banknote paper, banknote printing, currency automation systems, as well as smart cards and complex system solutions in the fields of telecommunications, electronic payment, health care, identification, transportation and IT security (PKI)

Their major services include

1. Banknote: The banknote segment offers a wide-ranging portfolio of products and services covering every stage in the life of a banknote: paper, security foils, printing, processing, and destruction. The customers include central and commercial banks, banknote printing plants, cash-in-transit companies, casinos, restaurant chains, travel authorities, and retailers.
2. Cards & Services: Cards made by Giesecke & Devrient (G&D) are in use around the world—from electronic payment to mobile communications and transportation. They use the newest technologies to provide end-to-end solutions, from cards to consulting and implementation to the adaptation of existing system components
3. Government Solutions: Positive identification as well as the secure acquisition and processing of personal data are central issues in modern society. For this reason, passports, ID cards, health care cards, and driver's licenses are now equipped with sophisticated security features. An integrated chip, which also contains biometric data, offers additional security. The company supplies corresponding personalization and border control systems.



Business Need:

The development team of Giesecke & Devrient (G&D) is geographically disbursed. The majority of software development work is done at their Pune and Gurgaon location. As the development task was geographically disbursed, a major challenge was to keep track of the source code being developed at both the locations and also to synchronize and version them whenever needed. Another major challenge was to have a shared repository to keep the source code which could then be accessed by the development team irrespective of the location and based on the access rights to a particular user.

Benefits of the Solution:

- Enhanced Collaboration
- Extended Scalability

IBM Rational ClearCase® provided the following benefits to the Software Development Team:

- Automatic replication and synchronization of Rational ClearCase® repositories enabled access to current information, from any site and in any direction
- Enabling collaboration across distributed development teams
- Supporting disaster recovery, enabling file retrieval from replicated sites
- Extending development scalability

Services:

Sale & Sales Support

