Rational. software

Easun Reyrolle Limited optimizes development lifecycle with IBM Rational Synergy and IBM Rational Logiscope products.

Overview

■ **Challenge**
Easun Reyrolle Limited, a leading electrical power management organization in Bangalore, India, needed a better way to accelerate development and manage its research and development (R&D) projects across distributed teams.

■ **Solution**
The company chose IBM Rational Synergy software for task-based configuration and change management and IBM Rational Logiscope software to help minimize debugging time.

■ **Key Benefits**
Easun improved productivity and enhanced communication among teams, shortening the development lifecycle.

The story

Easun Reyrolle Limited, headquartered in Bangalore, India, has been a respected leader in the field of electrical power management for more than 27 years. The company is repositioning itself as an Indian multinational. To achieve this goal, Easun is focusing on people, process and technology as critical success factors.

Easun is making this transition at a time when the power industry is booming in India. While the company is well positioned for future growth, the competitive nature of the industry presents new challenges.

"Easun's SBUs uncovered gaps in our present product line that could affect how we address both the present and future market demands," says G. Ilango,

manager, technology planning and development, Easun Reyrolle Limited. "This discovery called for new ways to approach product development and improvement. It also called for a better way of managing R&D projects with distributed teams. We needed a task-based configuration and change management solution that was user friendly but powerful."

The best defense for traceability

Better communication, easier configuration. Easun's management created a list of requirements and began a search for a change and configuration management solution that could be used across the organization's development and R&D projects. In the end, management chose IBM Rational® Synergy® software for change and configuration management and the IBM Rational Logiscope tool for software quality assurance.

"We chose Synergy because of its excellent build management capability and versatility. Developers report that Synergy saves them a lot of time."

– G. Ilango, manager, technology planning and development, Easun Reyrolle Limited

"We chose Synergy because of its excellent build management capability and versatility," said T. K. Venkatesh, team lead, technology planning and development. "We can customize change workflows based on the nature of each project. Also, the chances are very remote of missing any requirements during the build."

"With Logiscope, we were impressed by the depth of detail generated in the audit reports," Venkatesh adds. "It makes the configuration process easier when using embedded C code. New rules can be defined and included using Tcl/Tk scripting language."

Six months later, Synergy software and the Logiscope tool were installed at the company's Technology Development Centre (TDC) at Bangalore, where they are used by six developers on a model project basis. IBM Rational Professional Services assisted in the implementation and a pilot run before going live. "We had excellent support from the [IBM] technical support team during installation," Venkatesh says.

Easun's developers use the Rational Logiscope tool on a daily basis to check the code developed in embedded C at various stages of firmware development. With the tool, Easun identifies most flaws early in the lifecycle, which helps minimize the company's debugging time. The Rational Synergy software is still in the initial stage of rollout to the development teams, but the

first teams using the software say that it promotes better communication and collaboration, resulting in faster development times and fewer missed requirements.

"Synergy is very user friendly," Venkatesh says. "Developers report that Synergy saves them a lot of time, especially in change and configuration management for the embedded system design and development process. We plan to add more licenses of Synergy and Logiscope in the future."

The benefits
The key benefits of the IBM Rational Synergy and IBM Rational Logiscope installation at Easun include:

- *Increased productivity through user-friendly, task-based configuration management.*
- *Improved, clear communication among distributed teams, which helps shorten the development lifecycle.*
- *Support for more accurate planning and forecasting on product releases, resulting in fewer surprises for strategic business units (SBUs).*

As Easun continues to pursue Indian multinational status, management plans to depend on IBM solutions to accelerate R&D and help the company maintain a competitive edge.

For more information
To learn more about IBM Rational software, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/rational