

Success Stories: Deutsche Bahn

Deutsche Bahn industrializes their software development using CAST Application Intelligence Platform (AIP) to reduce the time-to-market of their systems while improving the overall quality

“CAST AIP enables us to perform systematic, extensive and automated code reviews, throwing light on code quality issues before they become major production problems.”

Jürgen Bodtländer, VP of Application Development *DB Systel*

Client Profile

Deutsche Bahn AG is one of the world's largest mobility and logistics service providers head quartered in Germany. With € 33.5 billion in revenues and 240,000 employees, in 2008, the company controls and operates related transport networks in the rail, land, ocean, and air freight sectors.

Business Situation

Deutsche Bahn facilitated more than 1.9 billion passenger-journeys and transported around 379 million tons of freight, in 2008. In doing so, the company relied heavily on its IT systems to provide reliable ticketing, timetabling, logistics planning, maintenance scheduling, purchasing and business management services. These systems are developed and maintained by Deutsche Bahn's IT-service provider DB Systel and are operational 24 hours a day.

Rapidly changing market conditions require flexible, frequent and short-term adaptations to existing business processes. Time-to-market is a critical competitive factor. With dozens of business-critical applications, more than 67,000 internal users to support, and given the complexity and scale of the compa-

ny's services, it is vital to maintain availability and performance while adding new functionality for business to stay competitive.

Solution & Benefits

DB Systel, Deutsche Bahn's subsidiary and IT-service provider, has identified that improving the quality of the applications is at the core of ensuring faster delivery timelines on a sustainable basis. In order to achieve their goals of reducing time-to-market and improving system flexibility, DB Systel implemented CAST AIP solution. The following are some specific benefits that DB Systel is able to achieve with CAST AIP.

- Alignment with business needs
 - Reduction of time-to-market by building quality into the product early in the development rather than testing for quality
 - Higher degree of flexibility by ensuring compliance to defined architecture and industry best practices
- Improved flexibility and capability of development teams
 - Support for distributed software development—everyone delivers the same quality

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- Initiate a fact-based discussion about the technical code quality
- Increased productivity in software development
- Increased quality of IT systems with increased production uptime and reduced maintenance costs
- Automated measurement along best-practices and industry standards
- Identification of risks early in the development cycle
- Control global sourcing suppliers by ensuring quality of deliverables and enabling fact based discussion

Solution & Benefits *continued*

- Provide transparency for management
 - Improved decision making capability for the upper management with concrete facts
- Establishing an internal and external basis for benchmarks to identify improvement opportunities and making portfolio level decisions

About CAST

CAST is a pioneer and world leader in Software Analysis and Measurement, with unique technology resulting from more than \$90 million in R&D investment. CAST introduces fact-based transparency into application development and sourcing to transform it into a management discipline. More than 250 companies across all industry sectors and geographies rely on CAST to prevent business disruption while

reducing hard IT costs. CAST is an integral part of software delivery and maintenance at the world's leading IT service providers. Founded in 1990, CAST is listed on NYSE-Euronext and serves IT intensive enterprises worldwide with a network of offices in North America, Europe and India. For more information, visit www.castsoftware.com.

Questions?

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