

**Project Note**

# Newly developed Bancomat 5.0 Software

Regardless of great time pressure the software for Bancomat 5.0 (BM5.0) is developed. The extensive project was executed free of risk in a result-driven manner using the RUP software development process.

**Task**

Diebold Selbstbedienungssysteme (Schweiz) GmbH was devising the latest generation of the Bancomat 5.0 (BM5.0) Software (a software for automatic teller machines). To maintain its lead in the market, the application was to be newly developed on the basis of the most modern technologies. The software had to be able to operate on already installed Bancomats (ATMs) and on the future Diebold hardware. Owing to the ambitious time-to-market deadline, Zühlke reinforced the customer's project team by providing additional developers and also acted as project manager.

**Implementation**

- **Project planning:**  
The project plan was drawn up together with Diebold on the basis of the RUP development process (Rational Unified Process) and was cleared with the management as well as with the end customer.
- **Steering Committee:**  
In monthly reports before the Steering Committee, the customers and the Diebold management were informed about project progress and decisions were able to be made with a broad base of support.
- **Close cooperation with Diebold International:**  
In a parallel process, specific drivers and components were developed at the same time in several countries. This meant the planning of component testing and release dates had to be extremely well organised.
- **Development of software architecture:**  
Based on the solid expertise Diebold employees had of the Bancomats, the project team succeeded in no time in making the leap to the latest Bancomat architecture and having it

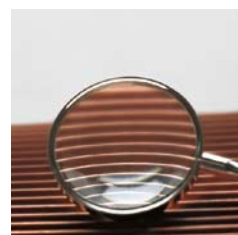


validated.

- **Design, creation and testing:**  
The design, implementation and testing of the Bancomat functionality was done in close cooperation with the developers of Diebold Switzerland.

**Customer benefits**

- **Solution for resource bottleneck and space problems:**  
The demand for additional engineers was able to be covered in short order. Since Diebold was moving into new facilities while the project was underway, Zühlke made available rooms in Schlieren for the entire team.
- **Systematic software development:**  
The extensive project (12 engineers) was executed free of risk in a result-driven manner using the RUP software development process.
- **Transfer of technology from Zühlke:**  
Through on-the-job training/coaching, Diebold employees were able to use the latest technologies and tools efficiently and to further develop and maintain the software on their own.



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