



PRODUCT ENGINEERING

CASE STUDY APPLICATION DEVELOPMENT

Washington State Patrol **improved its decision making capabilities, gained direct access to critical statistics, and fostered safe motoring environment** with R Systems' Application Development solution.



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Problem Statement

The Washington State Patrol (WSP), an accredited enforcement agency, had mainframe based Accident Records (AR) system. WSP wanted to engineer the AR system so that it could generate reports and move AR from a mainframe system to client/server technology using Microsoft SQL Server.

Business Need

- Reengineering of mainframe-based Accident Records system
- New reporting application and database exports from SQL Server to mainframe

Solution Approach

- Complete analysis of existing system for conversion and design of the new system, including unit test plans, system test plans, all coding, QA and integration
- A new CRASH system that included the development and integration of a reporting application as well as the database exports from SQL Server to mainframe
- Generation of specific reports, which provide details on weather conditions, road conditions, and driver attributes that might have been a factor in an accident
- Generation of statistical reports based on historical crash data

The Benefits

- Direct access to critical statistics
- Informed decisions on public safety