



PRODUCT ENGINEERING

CASE STUDY DATA MANAGEMENT

Waste Connections Inc. **developed centralized database of vehicles**, thereby **enhancing services and improving operational efficiency**, with R Systems' Data Management service.



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Problem Statement

Waste Connections Inc. (WCI) was using a complicated business and inventory maintenance system, Fleet Manager System, for maintaining its trucks' records in different locations. Hence, WSI was struggling with recurrent requirement, design and interface changes.

Business Need

- Integrated Fleet Manager System
- The application must provide data about truck preventive maintenance and repairs
- The application must manage and keep track of inventory for fuel, fluid, parts and tires at different locations

Solution Approach

- Conducted a comprehensive study of the client requirements and produced a system analysis and design document
- Leveraged cutting-edge tools/technologies: Microsoft Visual Studio .Net 2003, MS SQL Server 2000, Crystal Reports, and PVCS bug tracker tool
- Developed technical architecture and base classes with OOPS concepts and started forms coding on the base of architecture
- Developed automated integrated solution that kept track of maintenance and repairing of trucks, purchases, down-time log of trucks, and inventory of parts, tires, fuel and fluids

The Benefits

- Easy, secure and fast accessibility to data
- Generation of predefined reports and other MIS reports
- Improved services and efficiency by reducing the erroneous data entry
- Comprehensive records of all the trucks:

Across
23
States