

### Police Equipment Tracking System



#### Introduction

For a US based client, Prescient developed a tracking system to manage hundreds of thousands of equipments of a typical police department. The task was to migrate and re-engineer the existing foxpro based application to a dot NET based web application to ensure scalability and reliability.

#### Challenges

- ✎ Understanding the complex FOX pro based system
- ✎ Migrating existing FOX pro database to SQL Server
- ✎ Developing modules like User rights management, fast reports etc
- ✎ Managing millions of records
- ✎ Providing easy/intuitive interface to the users of the system

#### Highlights

- ✎ **Technology:** Microsoft dot NET
- ✎ **Database:** SQL Server
- ✎ **Development Model:** waterfall model
- ✎ **RAD tool:** Prescient Author
- ✎ **Team size:** 3 developers and 1 tester
- ✎ **Duration:** 8 months

#### Solution

Prescient studied the existing FOX pro based system in detail. Understood the intricate details, new requirements and the constraints for migration.

Prescient used Microsoft dot NET platform to develop solution to address the issue of scalability and performance.

Use of Rapid Application Development tool, Prescient Author ensured speedy delivery of the solution.

Prescient's SDLC processes ensured the correctness of solution.

Innovative approach to screen design and smart equipment activity management added great value to the usability of the software.



#### Conclusion

Prescient took up the challenge of migrating a FOX pro based application to a dot NET system and delivered a system not only meeting customer requirements but with innovative features like smart equipment activity tracking and ease of use to the delight of the customer.