

### Technology:

.Net 2, SQL Server 2005  
(Standard + Express),  
T-SQL, XML, TCP/IP

### Project size:

14 man-months

### Team size:

2 developers, 1 manager



*"Blueberry's software provides a complete control system for Chubb Custodial...and we continue to work with Chubb to add additional advanced features to the system."*

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## Chubb Locks

### Custodial Electronic Lock Management System

#### The Client

Chubb Locks Custodial Services (CLCS) designs and manufactures high security locks and locking solutions for prisons, hospitals, detention centres and other secure establishments around the world. It's parent company, ASSA ABLOY, is the largest lock company in the world, representing over a billion locks in place worldwide. CLCS products range from mechanical locks through electro-mechanical and motorised locks to computer-controlled access control systems designed specifically for custodial environments.

#### The Challenge

Chubb Locks Custodial Services required a new management system to support its original electronic locking devices as well as a new range of revolutionary microprocessor controlled locks with advanced functionality.

Chubb did not have the resources in-house to tackle the problem themselves, so they contacted Blueberry to help design and implement the new system.

#### The Solution

Blueberry worked closely with CLCS and their other sub-contract partners to implement the new scaleable and expandable management system in .Net based around SQL Server.

The resulting software suite supports two different ranges of custodial electronic locks.

Blueberry's software provides a complete control system, allowing operators to see the status of all locks and other devices in the system, as well as implementing sophisticated features such as time-based locking and interlocking.

The server has built-in redundancy support with complete hot-spare functionality for extra security.

Blueberry continues to work with Chubb Custodial to add additional advanced features to the system, as well as supporting third parties wishing to integrate to the package.

This project showcases Blueberry's ability to deliver robust critical systems for use in environments that demand uncompromising reliability.