# Personnel Movement Control System

## Enhanced control of personnel movement into and throughout high-risk facilities.

In order to protect people, assets and property it is imperative that an organization manages the movement of its employees, visitors and third party personnel into and throughout a facility. Whilst this can essentially be achieved by a security platform, it may not offer sufficient protection particularly in high risk environments. This is because access rights are largely generic and are granted without regard for the purpose and length of time for which access should be allowed.

The Personnel Movement Control System (PMCS) is the only system that is based on the <u>intent</u> of a person's access and the <u>timeframe</u> required for that access, controlling and monitoring movement through a series of secure access points in accordance with either a pre-defined or custom time-based trip plan. Alarms are generated when a person is overdue or detected as being in an incorrect location thereby ensuring the safety of unaccompanied personnel.
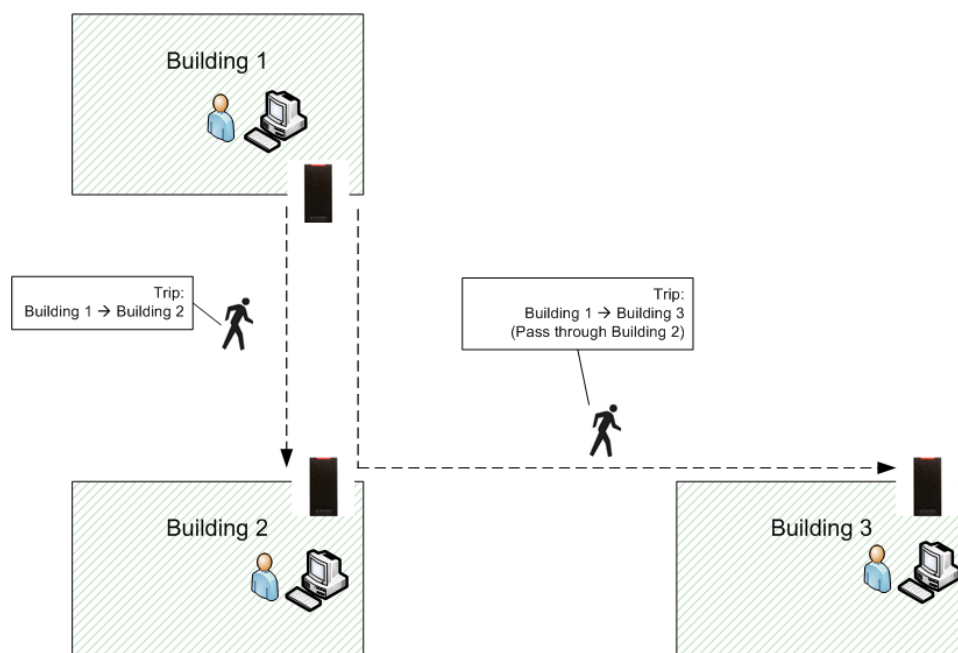
The PMCS therefore provides the highest level of protection necessary particularly in high risk environments such as military bases; petrochemical, hydro and nuclear power plants; refineries and mines; prisons and detention facilities; hospitals, laboratories and aged/psychiatric care facilities; and manufacturing environments where it is critical that personnel movement is known at all times.

Whilst the PMCS easily integrates with any pre-existing security platform, it can operate as an independent self-contained system incorporating the following components:
- CASI-Rusco Micro Controllers (including PoE DirecDoor Controllers)
- Mifare Smart Cards and compatible Wiegand Readers
- PMCS server, PMCS Configurator and PMCS Trip Control Stations.
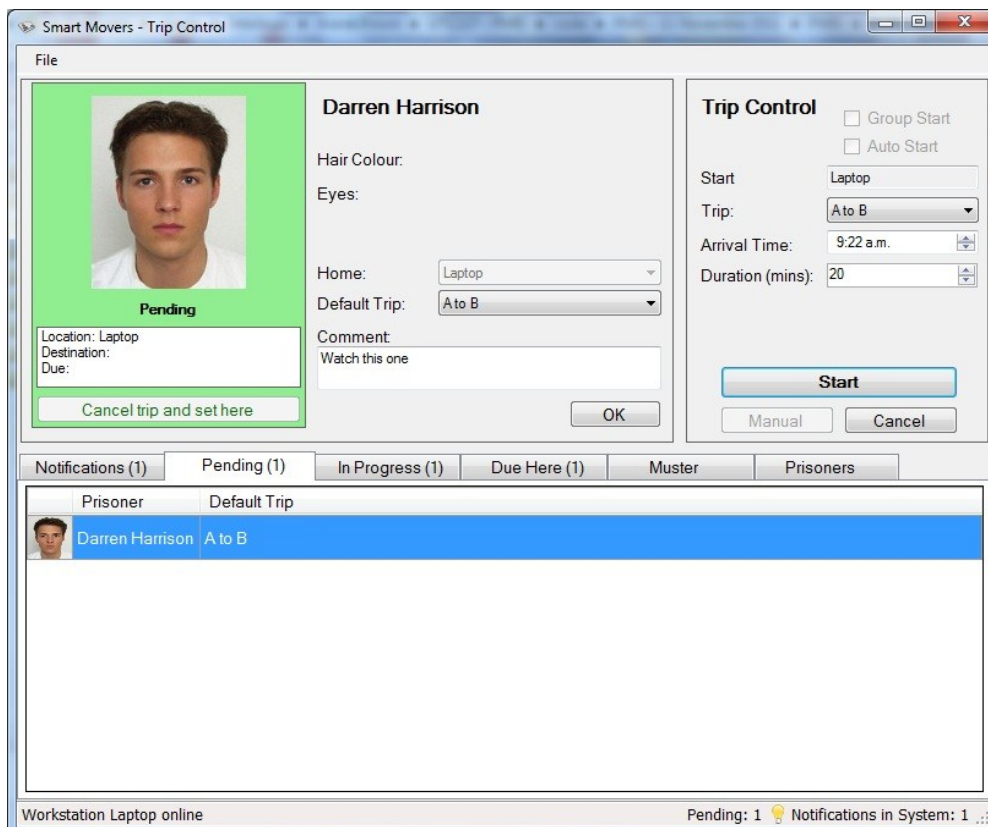
## The key benefits are:
- Operators at key locations can visually identify personnel, control the start of trips as well as monitor the location of personnel through to their destination.
- It provides the ability to control and define trips on a case-by case basis. The PMCS provides the flexibility for Operators to manually select alternate trips to system configured default trip plans or to fully customize trips for either groups or individuals travelling point to point or through intermediary locations as well.
- Generates alarms when a person is overdue or detected as being in an incorrect location. The alarms include last known location to facilitate Operators identifying and locating the errant person.

# Key features

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| **Operator interface** | The PMCS Client software has been designed with an Operator friendly user interface.<br><br>It supports the ability to easily select trips and start personnel on those trips, including the ability to start trips automatically or in groups. It allows Operators to visually confirm personnel before they start a trip as well as at key checkpoints on route and at the end of the trip. At all stages Operators are provided with a visual register of personnel that are currently due at a location, or on route to a location. |
| **Trip control** | The PMCS is capable of managing both simple point to point trips (e.g. building 1 to building 2), round trips (building 1 to building 2 and back to building 1), as well as multiple trips that include manned and unmanned checkpoints. Each point of a trip has an associated card reader and the person performing the trip will be required to badge their card at each reader that is part of the trip. This must be done in the correct sequence and in the time allowed.<br><br>Trips are either pre-programmed into the system for common trips that personnel are likely to perform, but an option also exists to create one-off custom trips to cater for cases were the pre-programmed trips fail to fulfil a specific requirement. |
| **Alarm handling** | Should a person deviate from the programmed trip, fails to report or arrives late to a nominated building an alarm will be generated by the PMCS and is displayed to the Operator via the Alarm 'tab' window. The Operator can then select the alarm which will present the person's full details on the PMCS user interface and display the last known location, their trip and intended destination. |
| **Reporting** | The PMCS Client application provides a flexible reporting system that allows users to report on any combination of person name, trip, location and timeframe. The report allows Operators to select all activity, alarms only or valid card reads.<br><br>Real-time roll call reports are available so that Operators can perform very fast reports on personnel registered to be at certain locations within a facility. |

# Specifications

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| **Server System Requirements** | Windows XP Professional<br>Windows 7 Professional (or greater)<br>Windows Server 2003 (all versions)<br>Windows Server 2008 (all versions)<br><br>Dual Core CPU (2 GHz or greater)<br>4 GB RAM<br>100 GB Available Hard Drive Space<br><br>SQL Server 2008 (Express Edition and above) |
| **Workstation Requirements** | Windows XP Professional<br>Windows 7 Professional (or greater)<br><br>Single Core CPU (2 GHz or greater)<br>2 GB RAM<br>1 GB Available Hard Drive Space<br>Monitor that supports at least 1024 x 768 resolution |
| **Door Controllers** | DirecDoor PoE Enabled Card Readers<br>M Series Controllers |

**REDCRATER**

## Contact: Peter Neil

p:    +64 7 829 5345
m:   +64 21 896 305
s:    peter.neil
e:    peter.neil@redcrater.co.nz
w:   redcrater.co.nz