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business efficiency systems

TZ Day Lockers

May 2015

The TZ SMArt Day Locker Management System is a state-of-the-art, end-to-end customisable solution that enables the complete management and control of secure locker enclosures in accordance with defined workflow and operational practices.

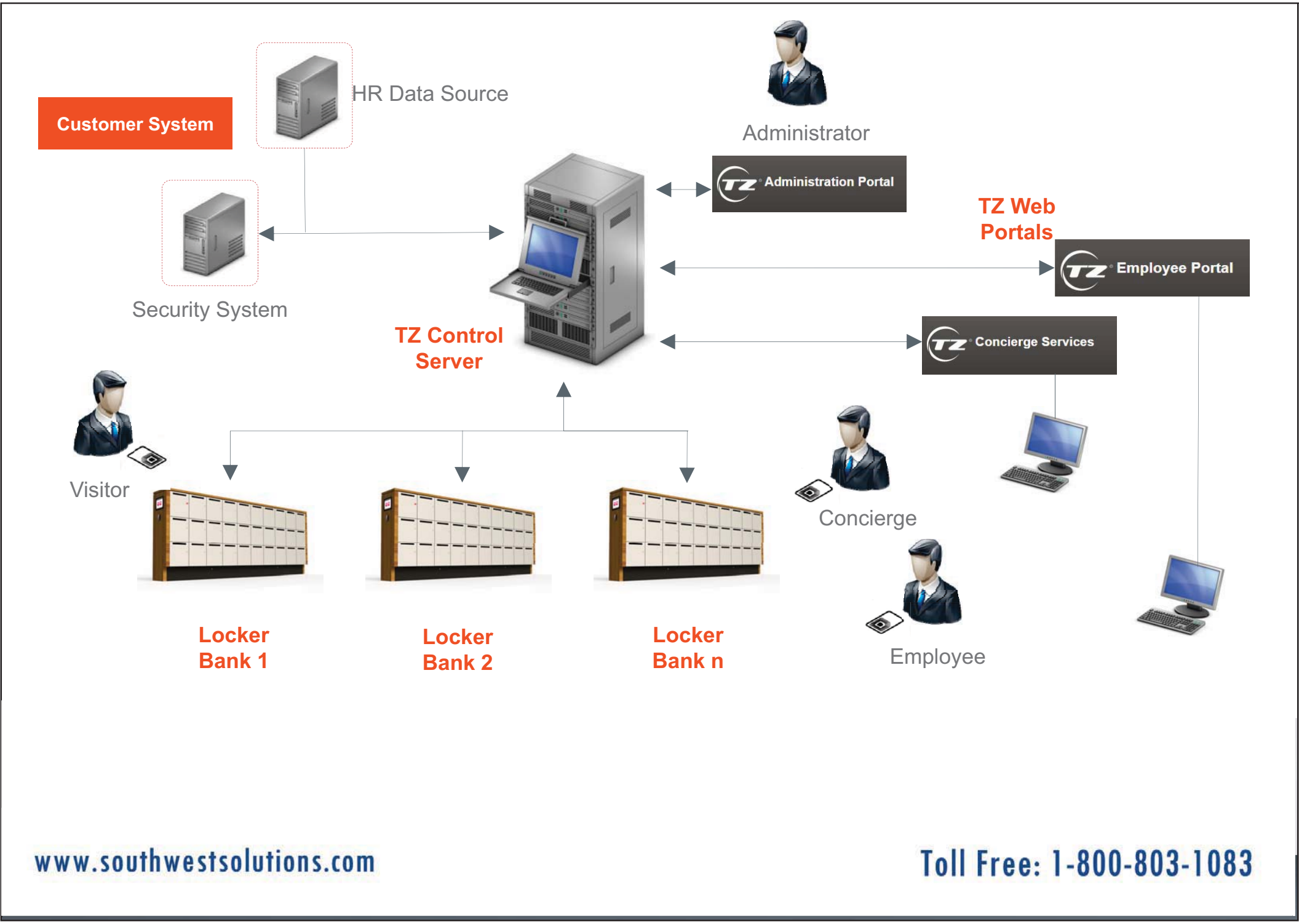
The System comprises a network of TZ SMArt Locking Devices that provide security and management of locker units at a locker bank, within a fully integrated locker infrastructure.

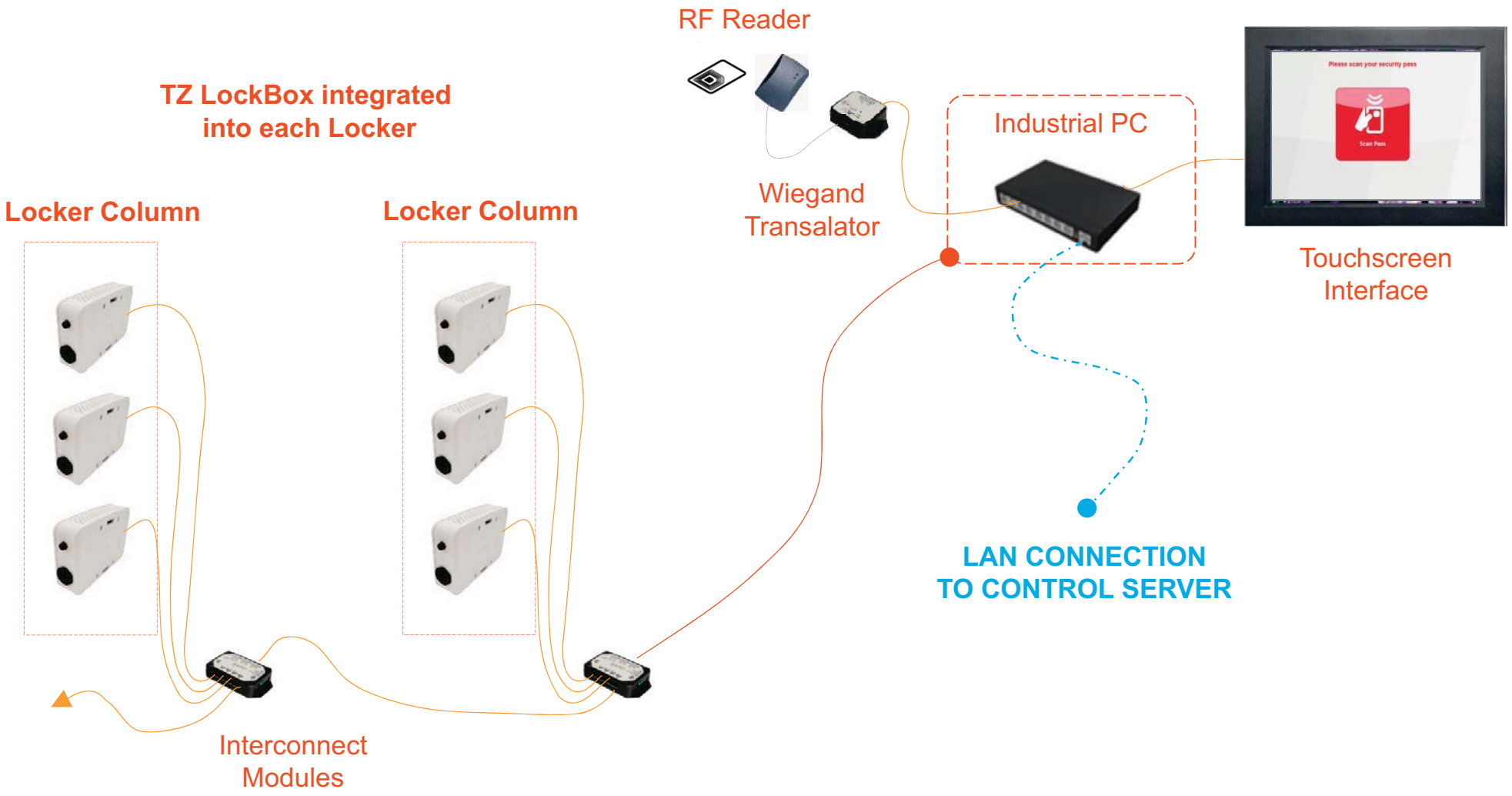
At the local locker bank level, locker units are accessed via secure RFID swipe card authentication or if preferred, a touchscreen interface can be deployed to provide a broader range of locker preference options to the User.

The TZ SMArt Locking Device network is managed by centralized server software which communicates, controls, manages and reports on each discrete locker bank, managing all devices residing at that locker bank such as TZ SMArt Locking Devices, sensors, gateways and other third party components like card readers.

The platform stores all captured data, events and logs in a securely accessible central SQL Server database and leverages smart client technology for its cross-browser user interface.

The TZ Control Server can be seamlessly integrated with existing enterprise applications like Building Management, Security and HR Systems.


Customer System
HR Data Source
Administrator
Security System
TZ Control Server
Administration Portal
TZ Web Portals
Employee Portal
Concierge Services
Visitor
Concierge
Employee
Locker Bank 1
Locker Bank 2
Locker Bank n


TZ LockBox integrated
into each Locker
Locker Column
Locker Column
RF Reader
Wiegand
Transalator
Industrial PC
Touchscreen
Interface
LAN CONNECTION
TO CONTROL SERVER
Interconnect
Modules

Top Cover
Touchscreen and
Access Control
Unit typically pre-fabricated
and installed on-site
Cabling and equipment to be
accessible in Plinth structure
via hinged access panels.

Lock Box Assembly
fixed to inside of Locker

Millwork routed for cable management

Channel size must allow replacement of ethernet cable and RJ45 connector assembly after Locker Bank installation.

TZ Controller Units and Interconnect Modules to be housed in Plinth

System Features:

- Digital Locking Device with integrated sensing and switching
- Range of options to accommodate Locker design … keyed release, status indication
- Compatible with industry standard card readers
- Built on Cat 5 structured cabling platform – simple plug and play networking
- Interconnect modules allows easy power injection and reduces cabling requirements
- PC control and local database option at Locker Banks to enable workflow flexibility
- Each bank PC controller can manage up to 250 Locking Devices
- Control Server can manage >10,000 Locking Devices

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Sample Interface Workflow:

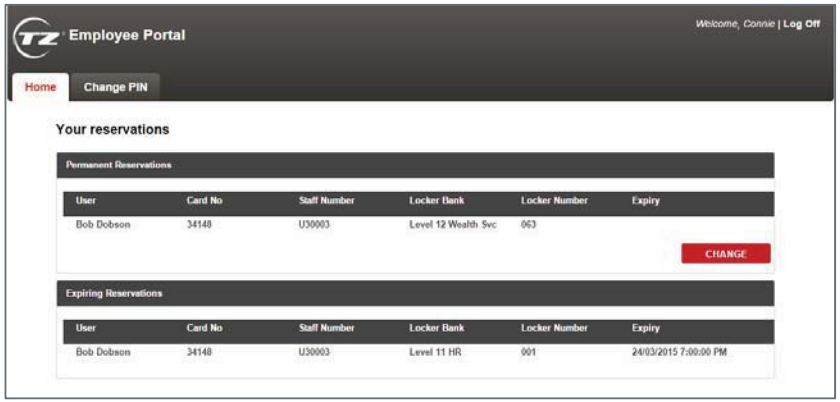
The Home Screen prompts the User to swipe their security pass

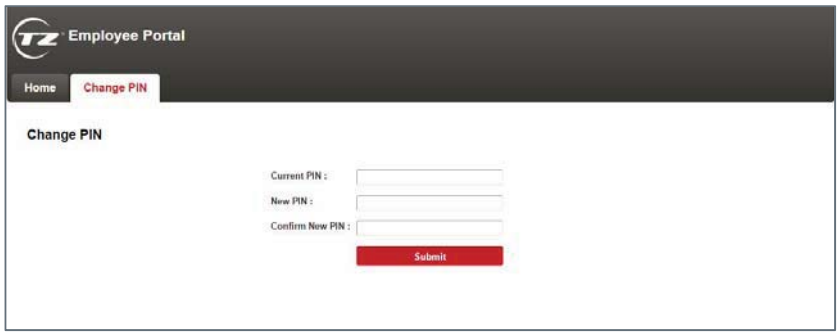
The Reservation Mode Screen indicates which mode of reservation is permitted for the security pass scanned

The Locker Selection Screen prompts the User to select their preferred locker to use

The Locker Confirmation Screen prompts the User to confirm the selected locker is the one they want to use

The Thank You Screen indicates the locker is open and prompts the User to use their locker



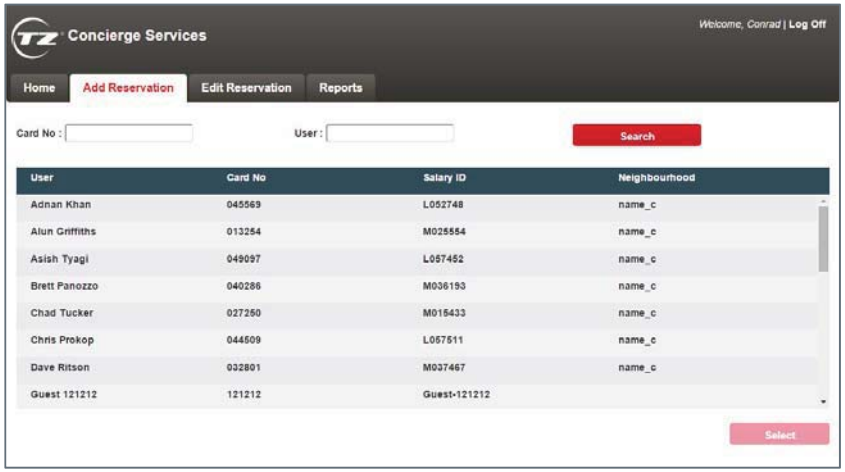


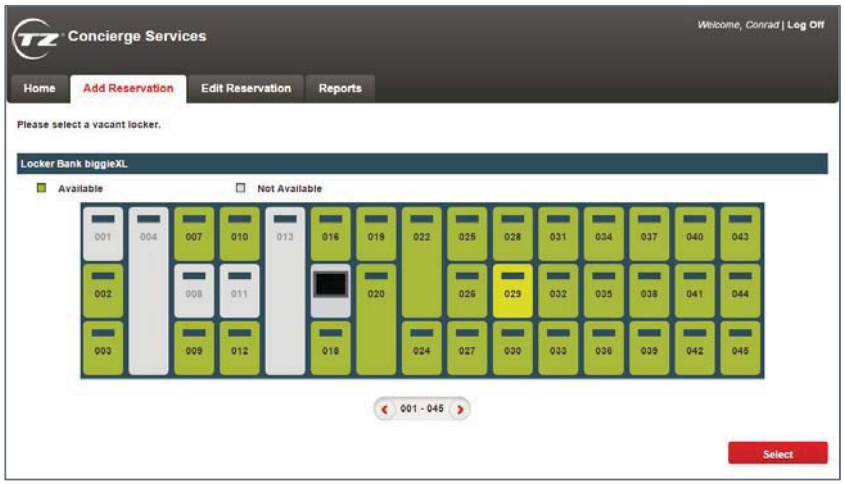
The **Employee Portal** provides employees with self-service capability to perform and manage their own reservations.

It provides convenience to be able to self service away from the Locker Bank touch screen.

The main features of the **Employee Portal** are …

1. Add a reservation
2. View existing reservations
3. Move existing reservation to another Locker Bank
4. Change PIN

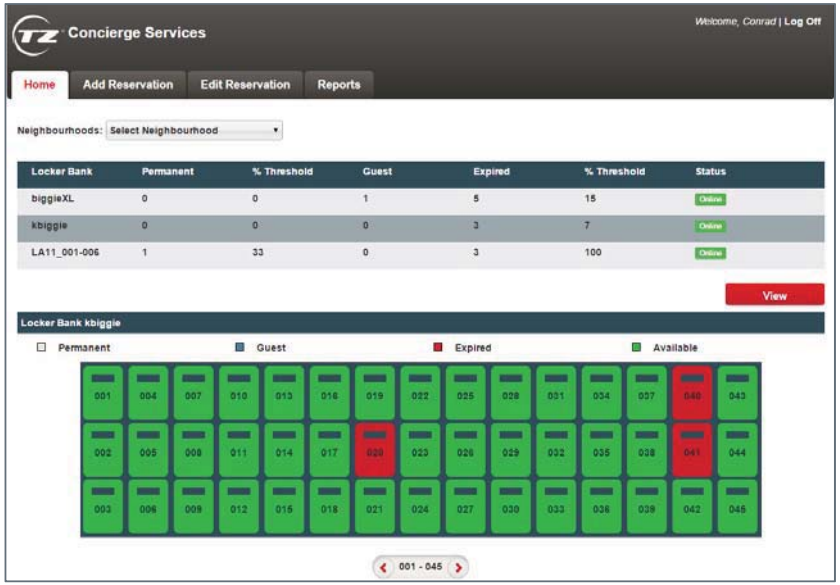


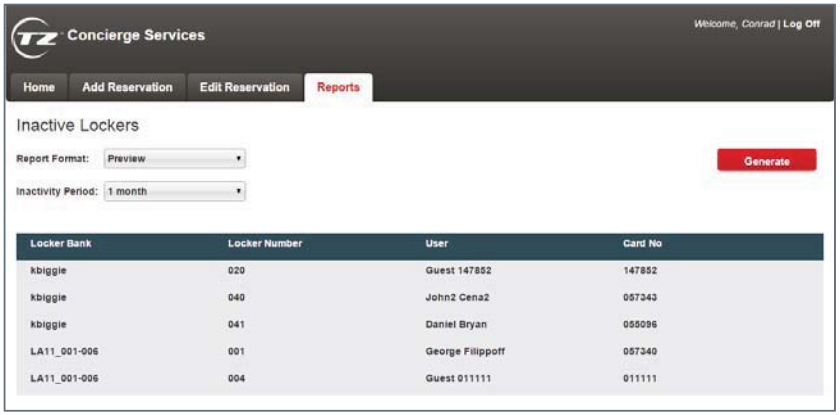


The **Concierge Portal** provides concierge users the ability to manage and perform Locker reservations on behalf of users and visitors from their front desk.

The main features of the **Concierge Portal** is to manage reservations on behalf of employees or visitors …

1. Look-up staff users
2. Add a reservation
3. View existing reservations
4. Move existing reservation to another Locker Bank
5. Extend guest/temporary reservations
6. Change PIN

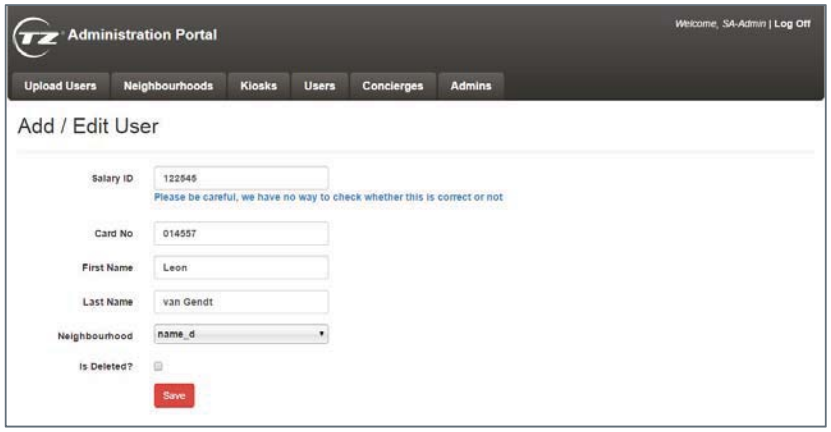


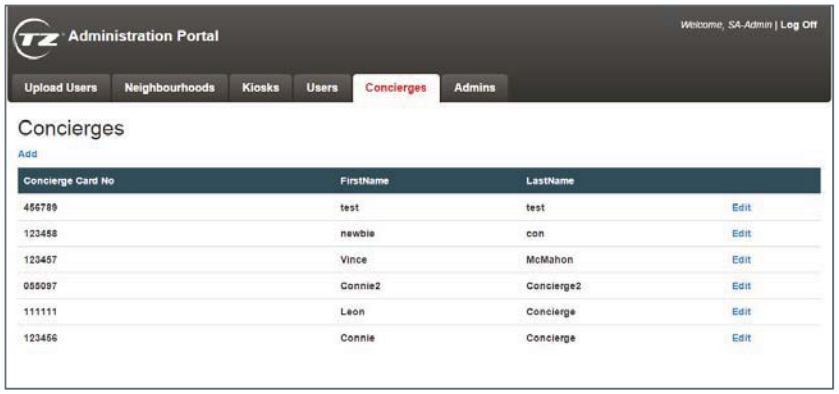


The **Concierge Portal** also contains a virtual display of Locker status so a concierge can see Locker availability and access a number of operational reports.

The **Concierge Portal** allows access to Lockers on behalf of employees or visitors to manage utilisation or look-up staff users:

1. Select and view Locker status for a selected Locker Banks in a graphical layout
2. Remote open a Locker
3. Report on Available, Expired, Inactive Lockers
4. Report on user or concierge activities

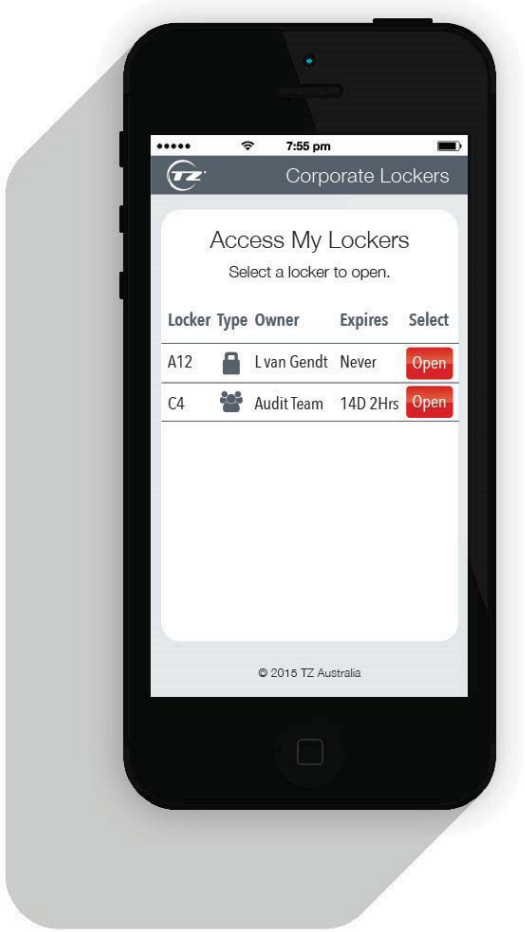




The **Administration Portal** provides administrator users with the ability to import users, edit their details and manage concierges and administrators.

The main features of the **Administration Portal** are …

1. Import users and optionally pre-allocate Lockers to users
2. Edit users and users security card
3. Set up Concierge Users
4. Set up Administrator Users
5. Edit Locker Bank details



The **TZ Smartphone App** provides permanent employee users with the ultimate flexibility to access their Lockers in the event that they do not have their security card with them.

The main features of the **Smartphone App** are

1. Securely log in/log out
2. View a list of Lockers I can access
3. Open a selected Locker