

# POD WORKS WORKSPACES LIMITED

## **OPERATIONAL OVERVIEW**

The pod will be accessed via a unique code for each user via the electronic colour coded keypad, this will be reported via the access control software to the central server via the fiber connection and associated network router, the door will unlock and trigger the internal CCTV camera to record for a period of 2 minutes, this is to ensure safe entry into the pod and provide access related information related for each specific user.

Once the user has entered the pod the door will relock and a counter will display a 60-minute countdown timer and turn on the internal LED lights. During the time the client is within the Pod should they wedge the door open this will be reported via the server. The client will be required to enter their code to a keypad located within the pod to exit, this will be reported via the software and will give the exit time. If the client wedges the door open and were to leave without entering the exit code, and once the door has closed this will be reported as door closed so giving the overall time in the box. When exiting the pod via the exit keypad the CCTV camera will be triggered to record for a period of 2 minute, this is to ensure safe exit from the pod and provide access related information related for each specific user. The CCTV interface of the system will also enable us to determine the overall state of the pod both before and after a user has been active.

## **VOLO OPERATIONAL CONTROL SOFTWARE**

The heart of the system is the Volo innovative electronic access control system that is hosted in the 'cloud'. This system architecture removes the need for on-site IT hardware such as PCs, servers or any other specialist or dedicated computer equipment, some of the main system features are listed below. Using this system will ensure the system controller has real time information at all time via multiple interface.

## **VOLO FEATURES AND SEQUENCES**

1. VOLO acts as the remote access control unit to secure the doors both as the external perimeter level and also as the internal levels. This will mean that we can physically control the flow of personnel through the pods.
2. VOLO will offer the ability for e-mail notifications of unauthorised access events, door forced events, door held open events and many more.
3. VOLO will also allow interfacing with fire alarms in the event of a fire alarm activation
4. VOLO will offer the ability for a remote door unlock facility should this be required from any position in the world.
5. VOLO can offer a full reporting facility on usage, events and much more.
6. VOLO comes complete with a global roaming SIM to ensure the optimum connection at all times so no matter where the location you are guaranteed the optimum connection.

## **LOCKS:**

We propose to use a single motorized lock fitted directly to the door in place of the dead lock being fitted, the locks are narrow style and would be fitted within the wooden door. Each lock will be fitted with a cylinder for key access in the event of power failure or for manual override. Keys will be suited provide a master and slave solution



The proposed Lock has an internal handle for emergency release in the event of power failure and also for emergency release in the event of failure of the keypad. The handle is disengaged via a clutch mechanism which in the event of power failure or the emergency button being activated the handle operates allowing exit during occupancy of the pod. The lock is monitored and will report the state of the door at all times via the control software.

Due to the requirement for controlled entry and exit and to ensure pod security we need to deactivate the exit handle during normal operation as we require users to exit the pod via the exit keypad identical to that used for entry. As a result of the exit handle being disengaged within the normal operating periods we have provided multiple safeguards to mitigate the risk by enabling exit from the box via the handle in 4 different states, fire/smoke detector head activation, power failure, panic button activation and via the use of the resettable push button. All of the associated safeguards will reactivate the door handle into operation and send a specific message to the system controller informing them of the activation enabling them to make an informed decision as to what appropriate action should be taken.

