# B2k· SMART LOCKER

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## Description

B2K Smart Locker is Metalprogetti's innovative solution to solve space and safety problems in staff changing rooms.

It consists in a garment bag drop-off and distribution system for personal garments and other belongings, which associates each user with a personalized garment bag identified by a code.

This system replaces the lockers that are traditionally used in changing rooms, saves up to 70% space and offers a much higher safety level.

The system is modular: each module consists of a conveyor, with an automatic gate through which the user collects and returns his bag.

The garment bags come with different features, depending on the users' requirements: they may for instance have pockets for small items and/or shoes, or an internal separation to keep workwear and personal clothes apart.

## Operating Principle

Every time the user wants to use the system, he has to identify himself with his badge. If he is collecting his bag, the conveyor sets into motion and places the corresponding bag in front of the automatic gate, which will open to allow the user to retrieve the bag. When the user returns his bag, the conveyor places the corresponding empty slot in front of the automatic gate, so that the user can hang his bag onto this slot.

The safety level is high: indeed, the system has a device that prevents the user from having access to nearby bags both when retrieving and when returning his own bag. Besides, every user's access to the system is registered in correspondance with the user data in the management software, which makes it possible to track all useful information.

## Soiled garment deposit bin

This unit, used for collecting the garments that are to be sent to the laundry, is separate from the clean uniform dispenser, and it can therefore be installed some distance away. It consists in a front panel with an opening through which the medical staff drops off its soiled garments one at a time. The reading device identifies the microchip fixed to the garment, and the system then releases the garment, that falls into a laundry basket placed behind the unit. The user's credit is automatically updated.

## Advantages

- Every access to the system (in/out) is registered in connection with the user
- Modularity: the system can be expanded whenever the number of users increases
- Most rational and advantageous use of the space available
- Safety: device to prevent having access to nearby bag
- Space saving (at least 50%) compared to lockers