



*Complex Problems Solvers*

**Icub3**

**Innovative tool to fight HAI's spreading**



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## Problems (that we want to mitigate)

The risk for a new admitted patient in a room to acquire *C. difficile* is:

- 4.6% if the previous patient was not infected with *C. difficile*
- 11% if the previous patient has been infected with *C. difficile*

**An increase risk of 235%!!**

*Shaughnessy MK, et al. ICHE2011;32:201-206*

- Average of 350 daily contacts per patient (direct and indirect contact)= Errors related to hand hygiene compliance are difficult to detect
- Effective hand disinfection should take between 20 and 30s = 3 to 4 hours per day spent on hand hygiene per each patient

**The importance of environmental cleaning for the infection prevention at hospitals**

The increased contamination risk can be mitigated by improving environmental decontamination effectiveness.

The complexity of optimizing environmental cleaning in order to minimize HAIs is not an easy task and must involve a systematic cleaning compliance monitoring system and continuous staff training.

## Solution:

**ICUB3** reduces the risk of not complying with cleaning standards and brings transparency to the cleaning performance

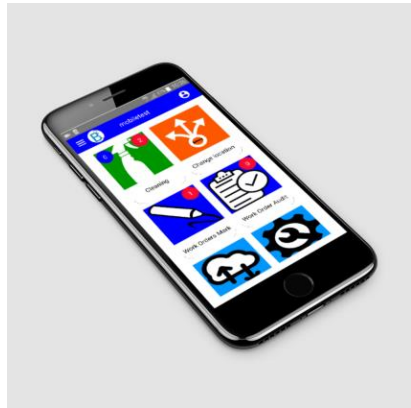
**Icub3** closes the gap between hygiene standards and their actual implementation

**ICUB3** modifies human behavior during cleaning activities.

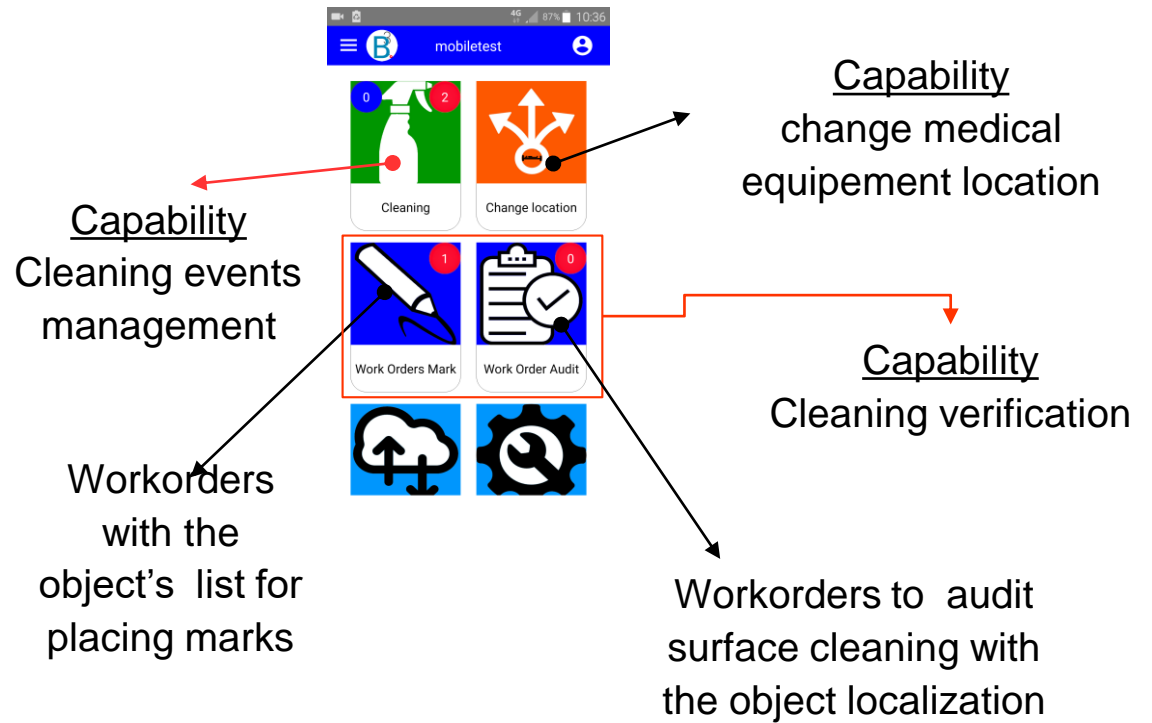
# Icub3 components:



**Frontend  
( Dashboard )**



**App user  
(Android)**



## Application example:

With the use of **ICUB3** all the discharging cleaning events will be audited to ensure that cleaning staff have complied with cleaning protocols.



# ICUB3 FEATURES

- **100%Paperless**
- **Optimized forHealthcare**
- **Performance Management**
- **Real-Time Audit Feedback**
- **Enhance error detection**
- **Automated Procedures**
- **A true cost-effective cleaning compliance system!**