

IDESCO

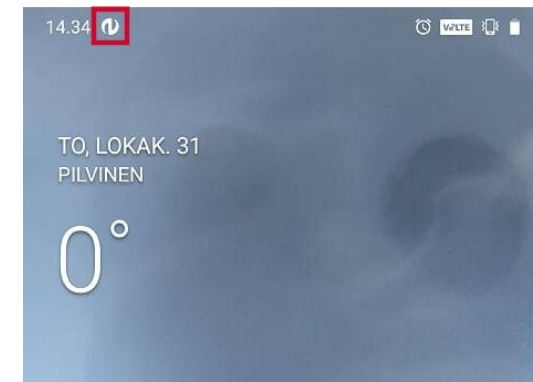
MOBILE

LITE

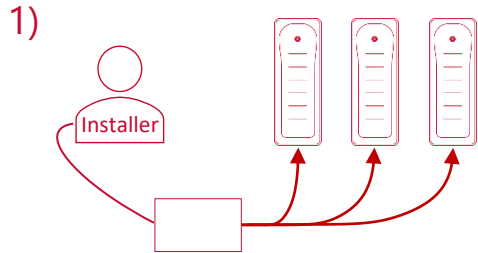


# Overview of Features

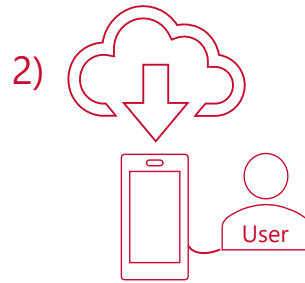
- Gives building users access with their Android or iOS phones
- Choose different security levels (3 options) for each door's reader
  - Reader security level easily programmed by configuration card or Idesco Mobile Coder application
- Idesco Mobile Lite app consumes minimal power resting in background, yet still activates automatically upon detecting your door's reader
- No cloud registration involved
- *Does not require network connection*



# Installing Idesco Mobile Lite



Install and connect 8 CD 2.0 MI readers near doors. Easily program each reader's specific door security level (1-3\*) with convenient configuration card or Idesco Mobile Coder application



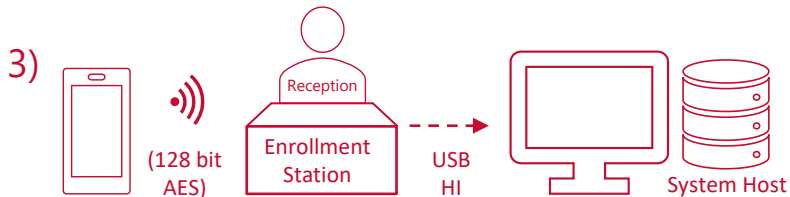
User installs Idesco Mobile Lite app in their Android/iOS phone, which automatically creates and stores a unique device ID for the user.

\* Security levels:

**Level 1:** Automatic authentication; user is given access even with their phone carried in a pocket.

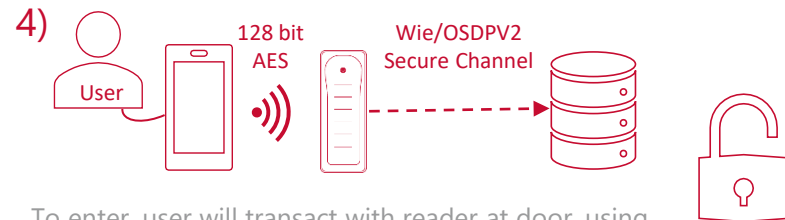
**Level 2:** User gains access after pressing a screen button in the automatically activated app.

**Level 3:** Access only given when user unlocks their phone's security protocol (e.g. fingerprint, pattern, pin code.)



Reception, security manager, etc. adds new users to the site's access control system by securely reading user phone's device UID at the Enrollment Station.

(Idesco Mobile Lite IDs usable in tandem with user's system-registered card number – if preferred, a user may even continue using their assigned, system-enrolled MIFARE transponders.)

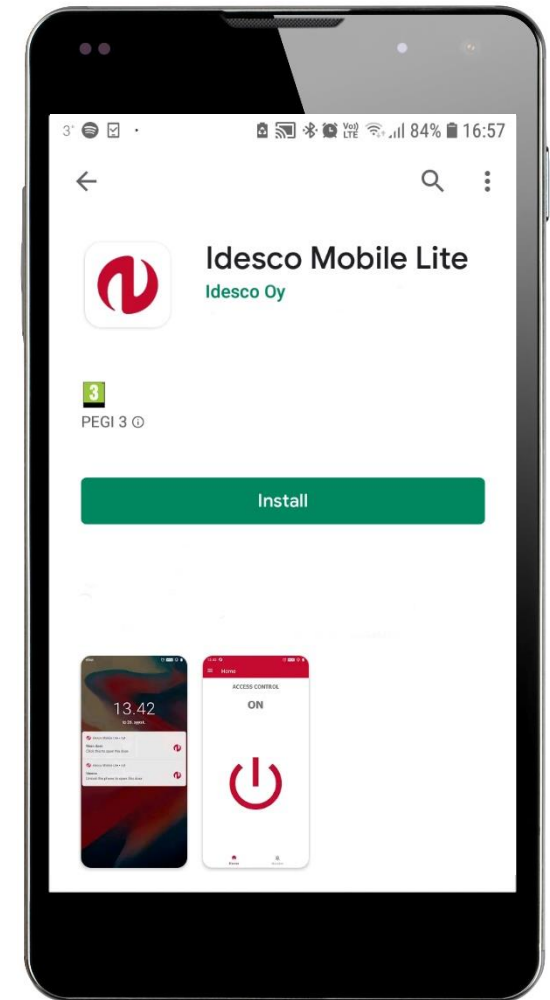


To enter, user will transact with reader at door, using the mobile device protocol defined by that door's assigned security level.\*

(All mobile transactions by users, regardless of reader's security level, are always protected by powerful 128-bit AES encryption.)

# Mobile device access - Step 1

- User installs Idesco Mobile Lite from Google Play or App Store on their own Android or iOS phones.
- Installation automatically creates and saves a *unique mobile device ID* (or device UID) derived from device info.
- User's phone is now ready to be used for fast, convenient identification.



# Mobile device access - Step 2

- User brings their phone (with its app activated) to be enrolled to their reception, security manager, database administrator, etc.



- Enrollment Station automatically detects user's active Idesco Mobile Lite app, then reads their device's UID.

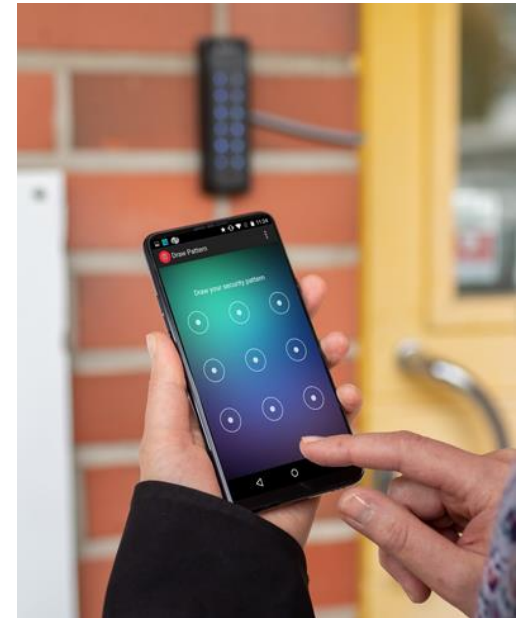
(All air interface communication is 128-bit AES encrypted. Enrollment Station also supports traditional MIFARE transponders; UID, DESFire EV1/2, etc.)

- Host system imports user's device UID into its database.



# Mobile device access - Step 3

- The moment a phone is detected to enter your site, users' transactions with door readers become protected with powerful, secure 128-bit AES encryption.
- You freely choose from 3 different security levels to determine the protocol you require from users at each door's reader.

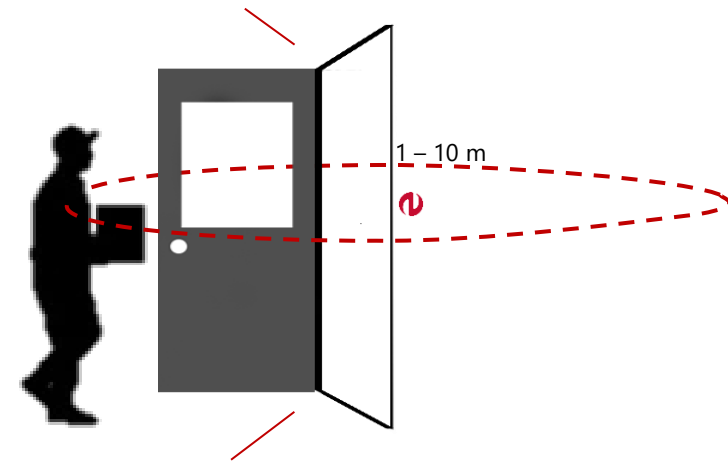
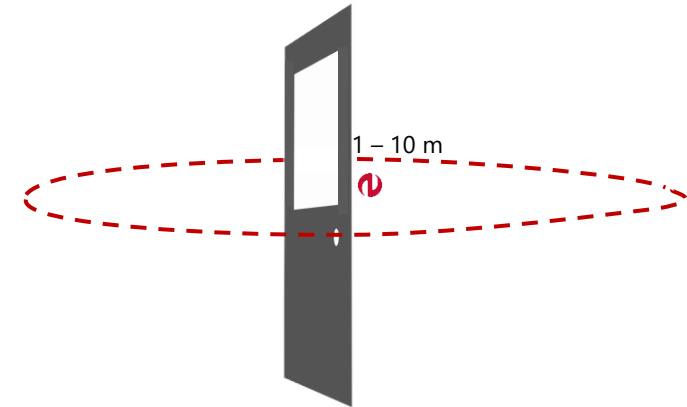


This lets you deploy your preferred security level for outer perimeter access points, while still allowing convenient, hands-free access indoors.



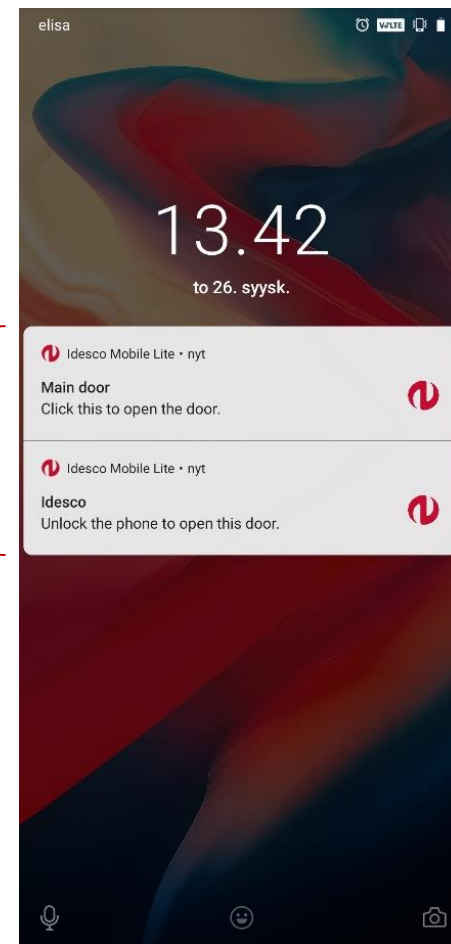
# Security level 1

- Lightest security level
- User identification triggered on detection, without user interaction, permitting *hands free –access*.
- Define reading distances (1 – 9 m) for different doors – *no unintended openings*.



# Security level 2

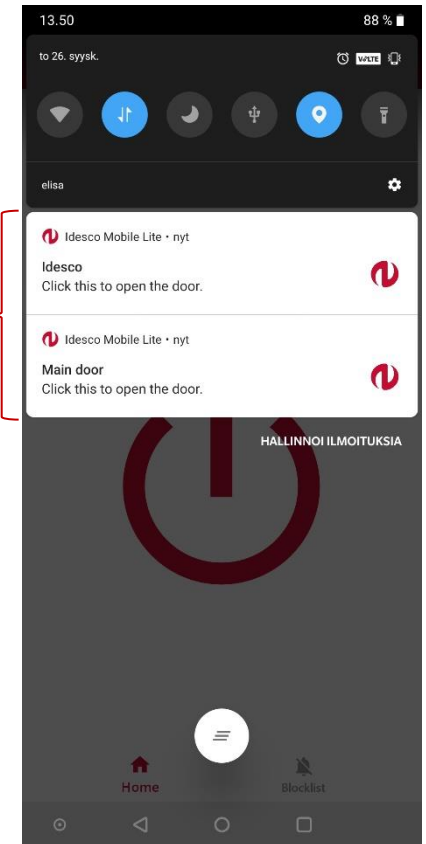
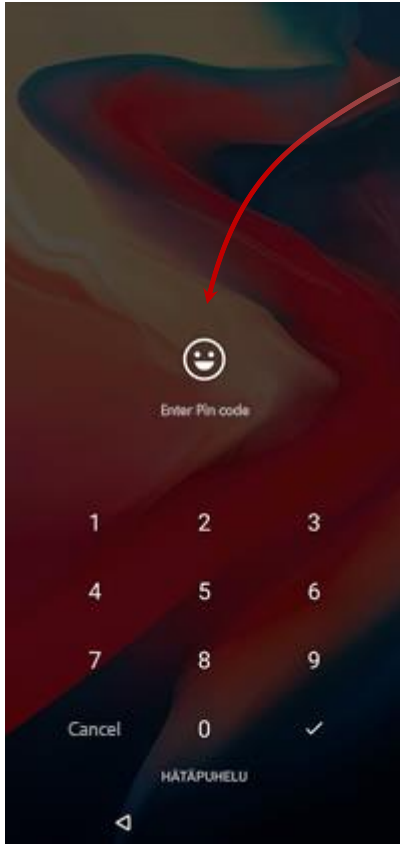
- User required to interact with phone before door will open; *activation button displayed on phone's lock screen must be pressed.*
- If button on lock screen is not pressed, alternate available doors can be accessed via device's top bar notifications.
- Alternate doors will be vertically listed, from nearest to furthest.





# Security level 3

- Secure phone unlock required
- Uses device's own protocol
  - *E.g. pin code, pattern, password, fingerprint, face recognition*
- List of closest, accessible doors from main screen's top bar
- Lock screen notices viewable, but door opens only *after* user fulfills unlock protocol



# 8 CD 2.0 MI readers

- NFC, BLE and MIFARE (DESFire EV1, EV2, EV3)
- Transacts with Idesco Android/iOS apps
- Wiegand / RS232 / OSDPv2
- Deploy indoor / outdoor
- Range of housings, including Pin pad
- Compatible with:
  - Idesco Mobile Lite
  - Idesco Mobile Cloud
  - Conventional access control systems lacking BLE capability for mobile transactions



# Enrollment Station

- Reads and imports Idesco Mobile Lite device UIDs into your system.
- Fast, convenient and highly secure (128 bit AES)
- USB HI interface – no additional drivers, etc., required.
- Also reads standard transponders; MIFARE UID, sector, EV1/EV2, etc.



# Frequently asked questions

- **Is my phone's conversation with a reader encrypted? If so, how?**
  - Yes, the data your phone sends to a reader is encrypted with 128-bit AES.
- **Can Idesco Mobile Lite's visual layout be customized?**
  - Yes, customer branding / white labeling is available.
- **Can Idesco Mobile Lite functions be integrated into another app?**
  - Yes, this is possible, with a specific SDK (=Software Development Kit), which will be released later.
- **How much power will Idesco Mobile Lite app use in my phone?**
  - Power consumption has been optimized to be *very low*.
- **What if my phone loses its network connection?**
  - Idesco Mobile Lite doesn't use a network connection. If an 8 CD 2.0 MI reader detect your phone, it can open the door without any problem.
- **What happens if I lose my mobile phone, or purchase a new one?**
  - Your old device UID is simply removed from your site's access control system. After you replace your phone, a new device UID can be enrolled for it.
- **What if I have to reset my phone?**
  - You must first reinstall Idesco Mobile Lite, then re-enroll it into your system.
- **What operating systems does Idesco Mobile Lite support?**
  - Android 5.0 or higher, iOS 10 or higher

