

Post Guardian

사물인터넷개론 TeamB

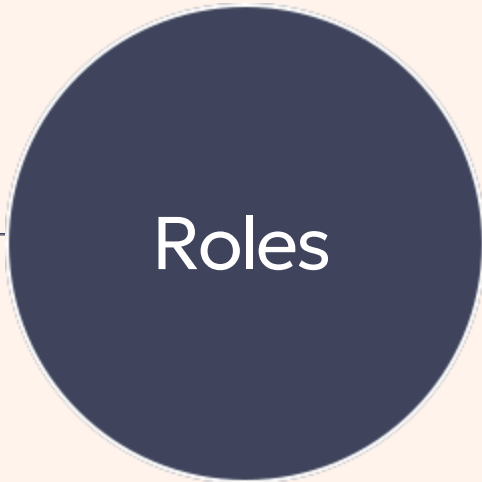
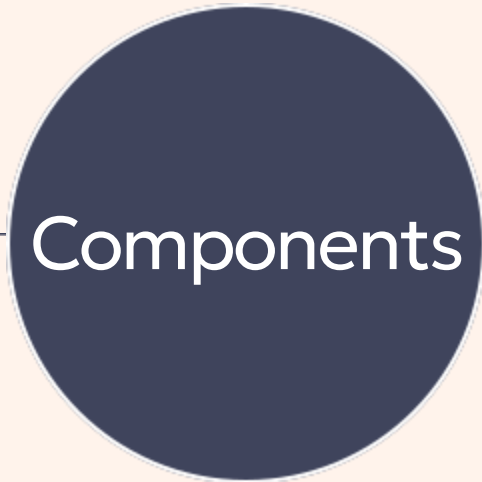
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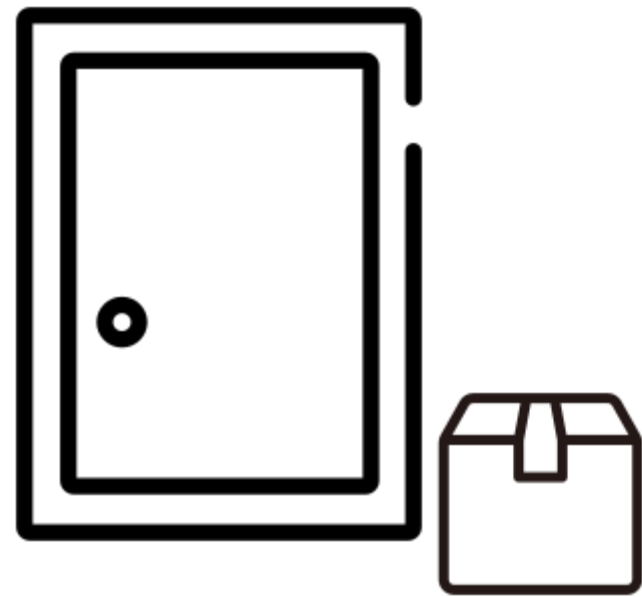
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Reliable non-face-to-face delivery service



non-face-to-face



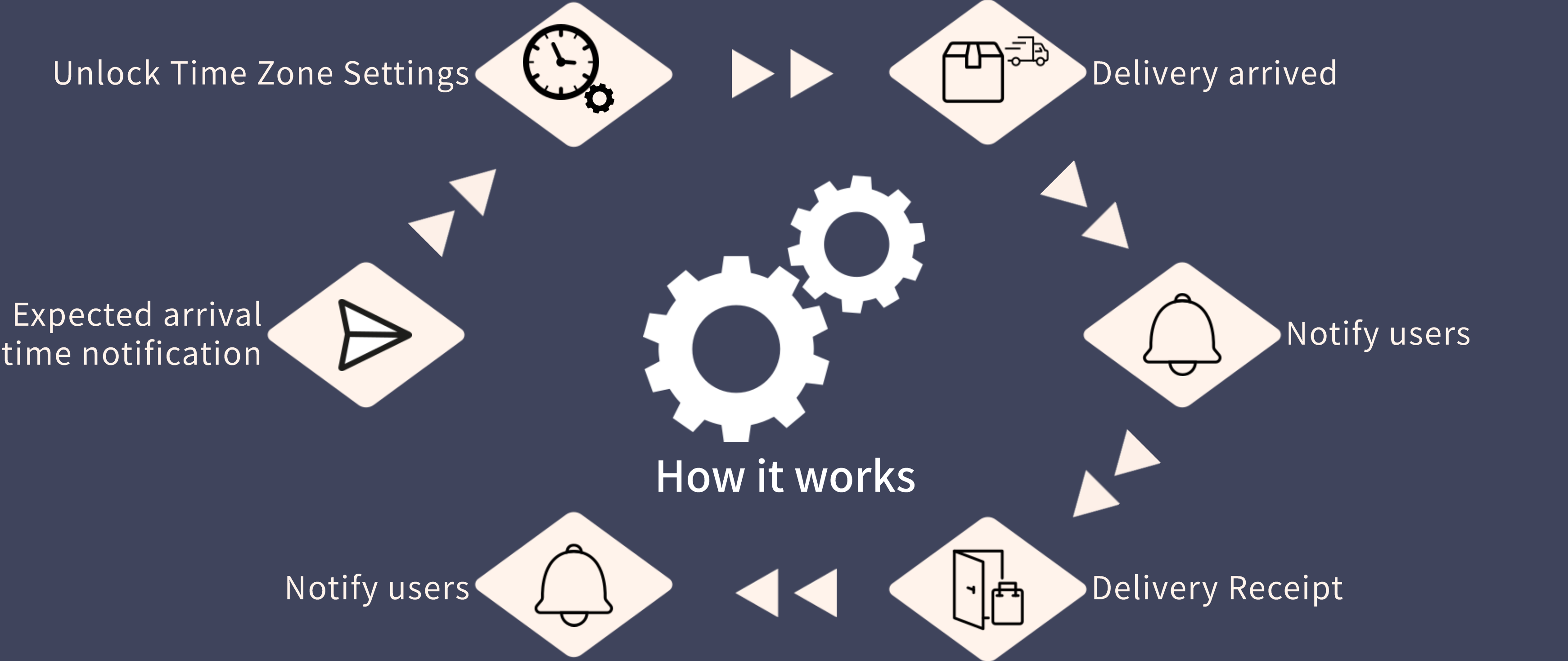
Real-time detection



R emote control

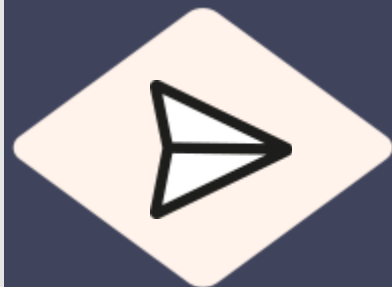


Preventing loss/theft problems





- **If door open is detected during unlock time :**
Reminder to User: Door has been opened
- **If detect that the door is open during the lockout time :**
Reminder to User: The door was forced open
With the sound from Buzzer
- **If door open is detected regardless of lock setting :**
Camera Operation: Filming



Unlock Time Zone Settings

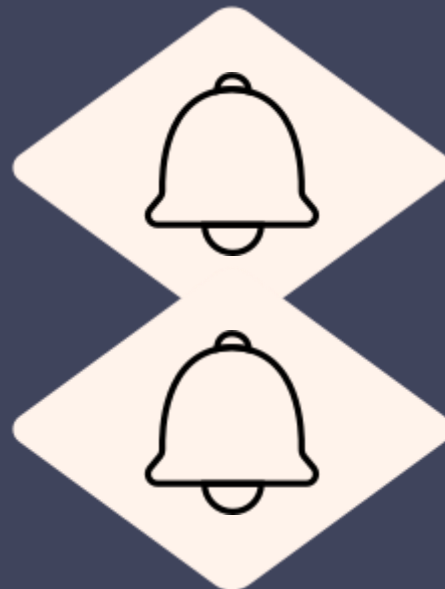
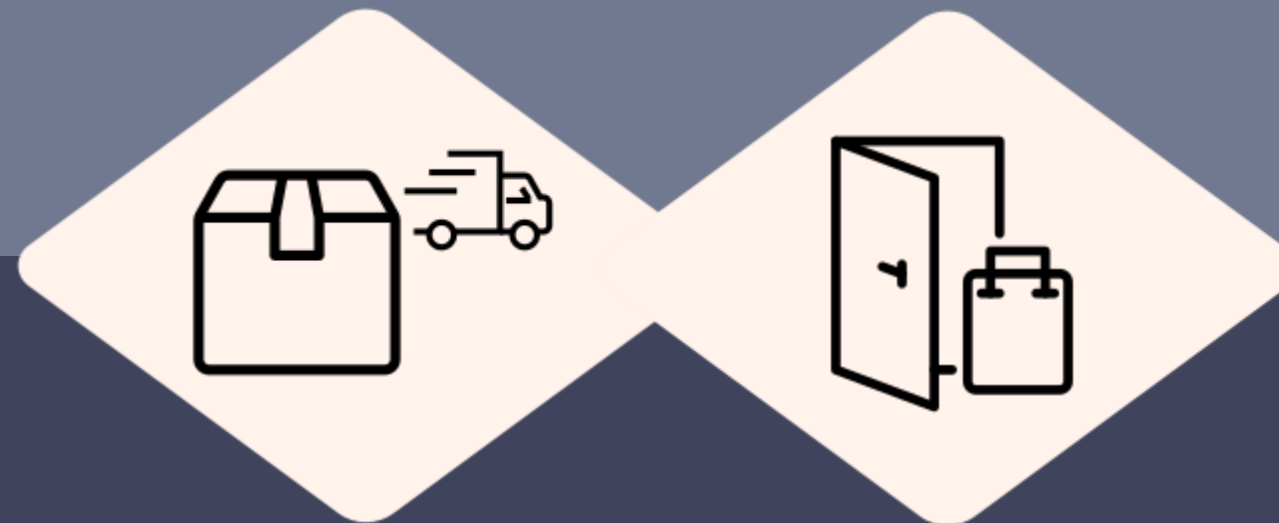
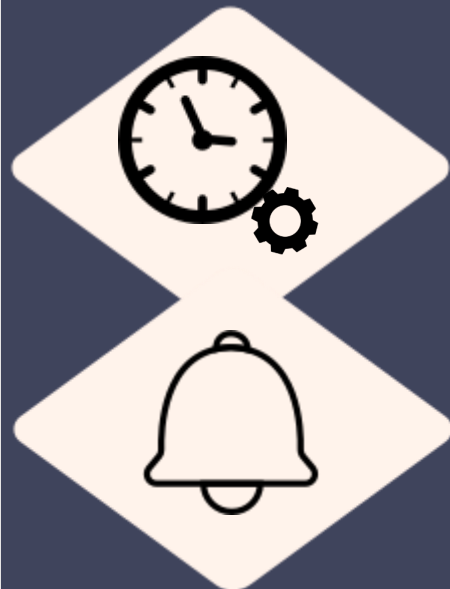


- **If the pressure in the post-guardian internal pressure sensor increases :**

Reminder to User: Delivery arrived

- **If the pressure in the post-guardian internal pressure sensor is reduced :**

Reminder to User: Delivery Receipt



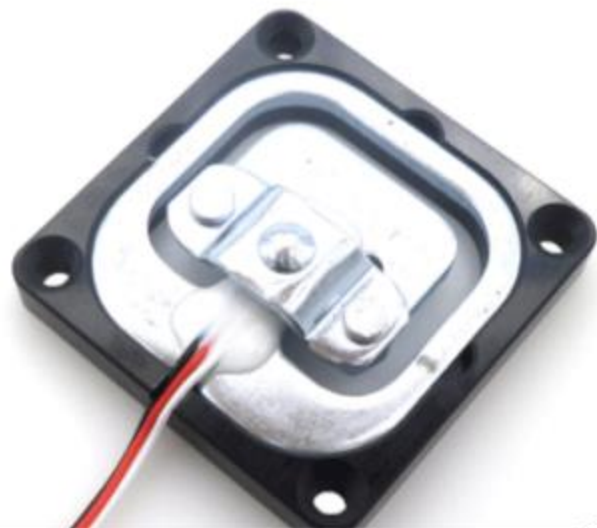
Delivery arrived
Delivery Receipt

Additional
purchasing
Components



Magnetic sensor

Door open detection



Pressure sensor

Delivery Detection



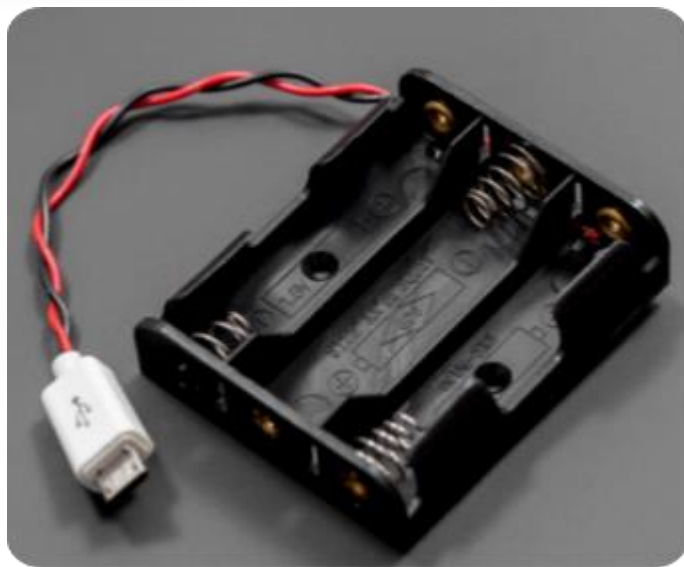
Camera

Filming when detect door opened



Motor

Locking door



Battery Holder

Power supply

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**Embedded
&
Hardware Responsibility**

- Development of Sensor and Control System
- Buzzer, Lock Control
- Power stability and wiring configuration
- Testing and validating sensor behavior
- Announcement

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**Responsible for Software
&
Communications**

- Firmware development
- Implementation of automatic control logic
- Delivery completed count alarm implementation
- Unlock time zone implementation
- Production of ppt

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**Responsible for Video/UX
&
Documentation**

- Camera module connection
- Configuring the User Interface
- Planning, shooting, and editing demonstration videos
- Preparation of presentation materials
- Test and Improvement Feedback

Thank you

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