



## **E-lock Pitch Deck**

14th November, 2019

# SMART PACKAGING



Security Advancement

**SMART. ANTI -THEFT. SECURE SOLUTION**



## AGENDA

1. Existing Security Systems
2. Problem Statement
3. Proposed Solution
4. Audience Study
5. Functionality Log

# Existing Packaging Security System

## SEAL TAPES | HOLOGRAM | PLASTIC TAGS

Tamper-evident seals have an important role to play in customs, nonproliferation, law enforcement.

Unfortunately, the tamper-indicating seals currently available, given how they are typically used, can be quickly and easily spoofed by almost anyone.



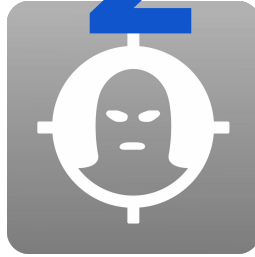
## MAJOR PROBLEMS WITH CURRENT SYSTEM

1



The Material (intransit)  
can be damaged/replaced.

2



The items are prone to  
theft/ misplacement.

3



More chances of  
unauthorized access  
to the boxes.

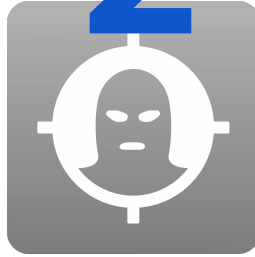
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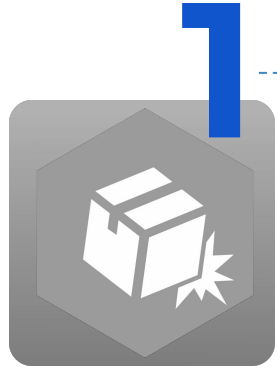
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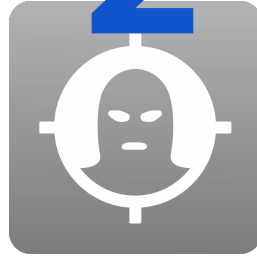
Less Reliability and more risk  
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Less Reliability and more risk  
factors involved.



5

Challenges the security  
of material.

OUR PROPOSED SOLUTION







## Security Development

We aim to benefit our clients by providing a **robust locking system** for the boxes which enhance the **security** of their materials, thereby **increasing the reliability**





## Security Development

A Low Power Bluetooth based locking system for boxes of any size and shape.



HOW IT BENEFITS



Prevents the unauthorized access - **Unlocking box using the client's mobile**

application ie SDK embedded with Amazon/ Flipkart or any other clients.



Prevents any sort of tampering with the material in transit - **The box unlocking**

can happen at pre-defined geo-location. (at customer delivery location and only)

By the customer and authorized receiver.



Reduce unnecessary packaging cost ie **No need to use tamper-evident envelopes,**

bubble wrap etc anymore.

# Who Got Benefited

1

**End Customers**

2

**The Company Management**

3

**Store Owners**

4

**Vendors**

Functionality



## Locking and Unlocking

Locking and unlocking by **authorized user only**

**Organization can have Admin & multiple Sub-Admin.**

Sub- Admin or temporary-Admin are those, who can access box for some specific time period ie for 1 day or any 'x' days and after 'x' days time limit automatically system remove sub-admin.

Eg Customer can be Sub-Admin for two days ( or till the delivery time)

**Offline unlocking :** We can have functionality to open lock in no network zone as well ( using offline mobile app or using OTP ) and later sync-up with server once get data connectivity

## Log

Keep record of authorized and unauthorized attempt





## Geo Fencing

Set Geolocation For UnLocking

Admin can **dynamically change geofencing** location for accessing or Opening and using

Pre-defined Geo- location where the box can be accessed.





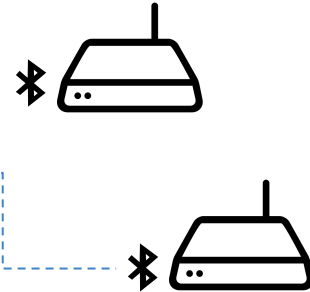
## Find me

Search and find any particular box using  
Bluetooth- proximity profile

To find box in inventory/warehouse using mobile app it will give  
direction in app and Box buzzer will make sound.



### BLUETOOTH LOW ENERGY SENSOR NODES



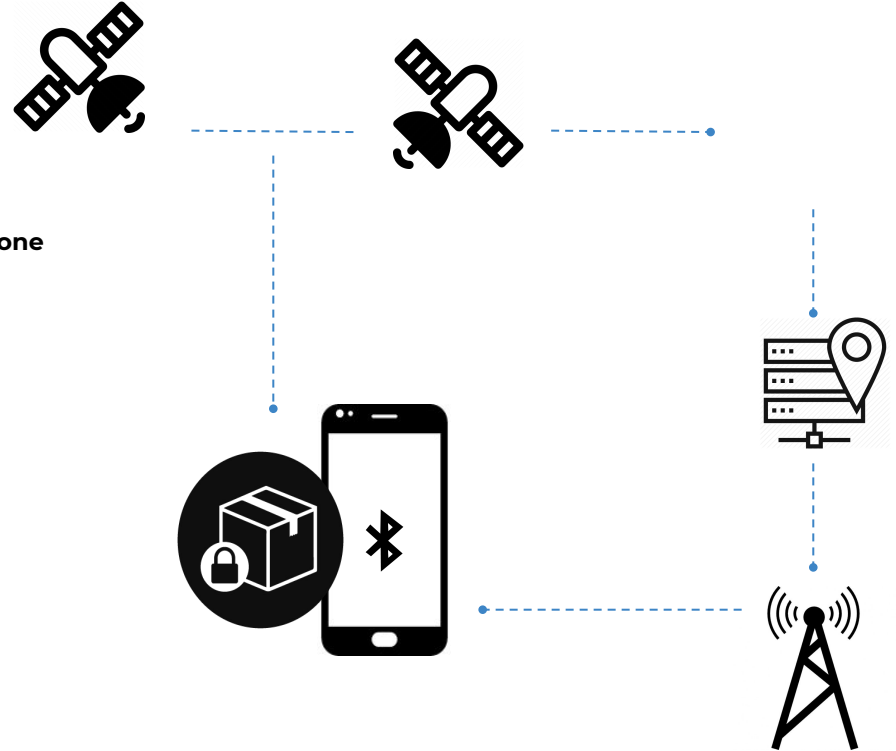


## GPS Tracking

### Tracing of the box using employee mobile phone

Application - live location

In transit, Admin can track GPS live location of box while employee mobile is connected with box bluetooth.



Integration



**Integrate e-lock dashboard with your ERP**



**Integrate e-lock SDK with your Mobile Application**



Shipments Completed

42

Shipments in Transit

23



Packages are tracked & updated

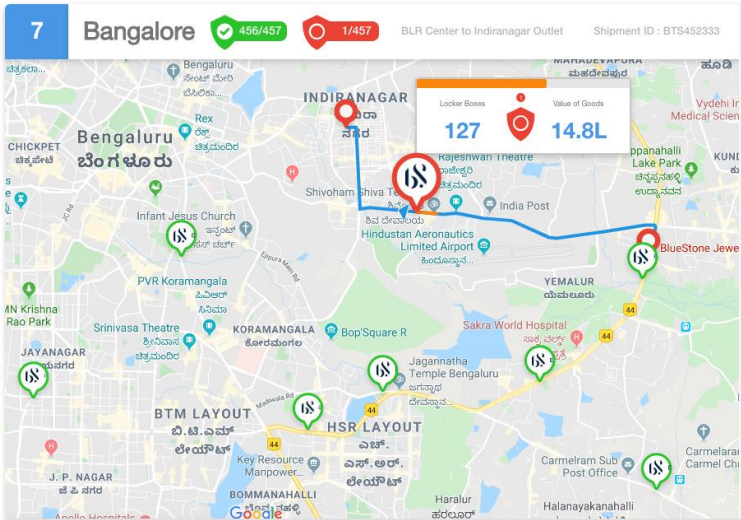
updated 30 seconds ago



Date Picker ▾

Nov 23











2019

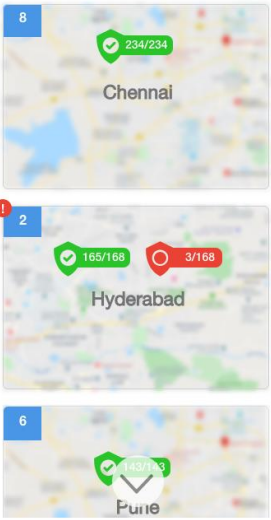


Quantity

Value

Security

Number	Packages	Value	Live Status
BOX 000176	2	4.5K	<div><div></div><div>TAMPER ALERT!</div><div>@ 09:13:56</div></div>
BOX 000546	2	3.3K	<div><div></div></div>
BOX 000786	5	7.8K	<div><div></div></div>
BOX 000123	4	21.3K	<div><div></div></div>
BOX 000433	3	32.2K	<div><div></div></div>







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