

KOREA ENGINEERING UNIVERSITY

GROUP Information

Project Name: Smart Carrier

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"smart carrier"

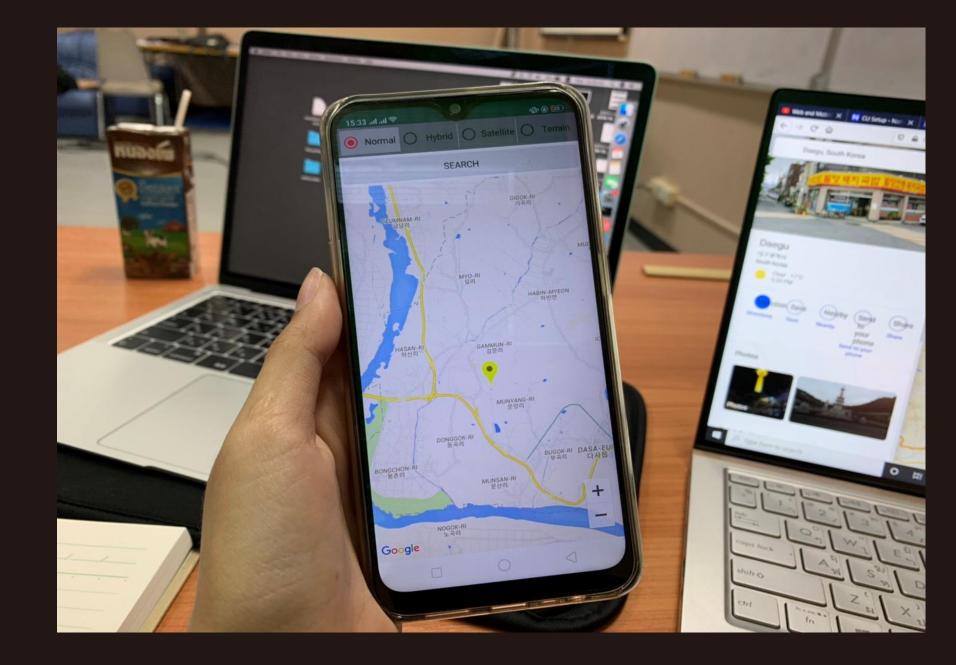
Smart Carrier

It's easy for people to access it, Use what people are used to. It's often used in people's real-life lives, and it's used in familiar functions

Product







Technical Specification

- Fingerprint recognition
 fingerprint sensor for unlock the carrier can memorize
 the most 100 fingerprint
- show the weight of carrier with Loadcell sensor loadcell support a weight 30kg put at the lowest point of the carrier
- Application follow your carrier
 GPS Ublox NEO6MV2 send the coordinate and show the map on application

Comparison with Other Services

Other carrier or simple carrier have a duty just put the purveyance but this carrier help user about security more than simple carrier

Design Specialty

- Placing the sensors at the appropriate location was a big issue, as we wanted to make it as convenient as possible for the user.
- Due to the load sensor being at the center, gravity may pull most of the luggage down, hence we decide to put the load sensor at the lowest point, near the wheels, instead of the center, in order to effectively measure the mass.
- We had an issue regarding bad signal which our GPS module is unable to track itself, we solved it by going outside of the hotel which successfully tracked the position of the module.