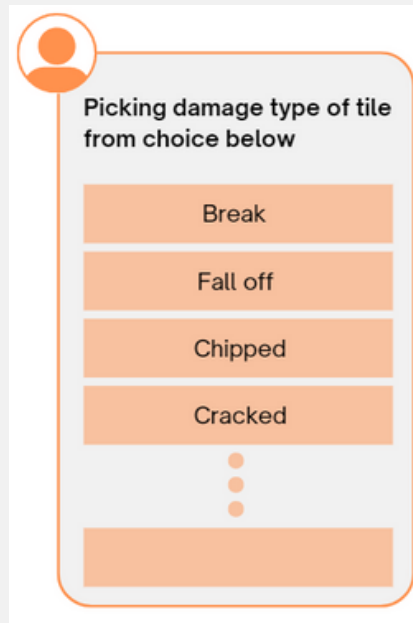


# Conalysis : AI for object recognition and problem analysis in Construction Call (Group 5)

## Background



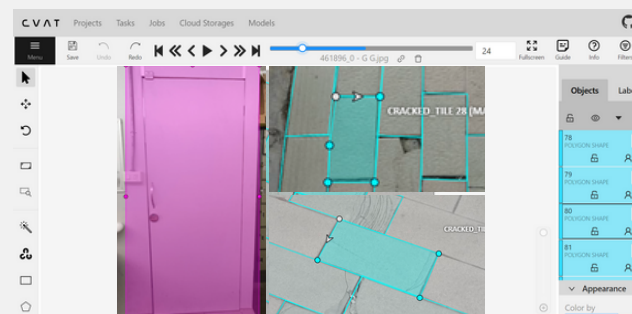
( Example of Boonchuay )

7-11 convenience stores serve 12.6 million daily customers, resulting in a **large number of maintenance** are required.

The Boonchuay chatbot can be used to request maintenance. With this project, **we aim too** help **reduce the overall cost of construction** on every 7/11 branch in Thailand by **reducing the miscalled** material types in construction maintenance.

## Process

### Prepare data



Collecting, labeling and cleansing the data

### Pretrained Model



Yolov8n and MobileNet v2

### Model Training



**Accuracy:**  
Door: **98.83%**  
Floor: **98.33%**

## Pain point

### Too Many types

of materials and causes of damage.



Lead to

### Misreported types

of material.

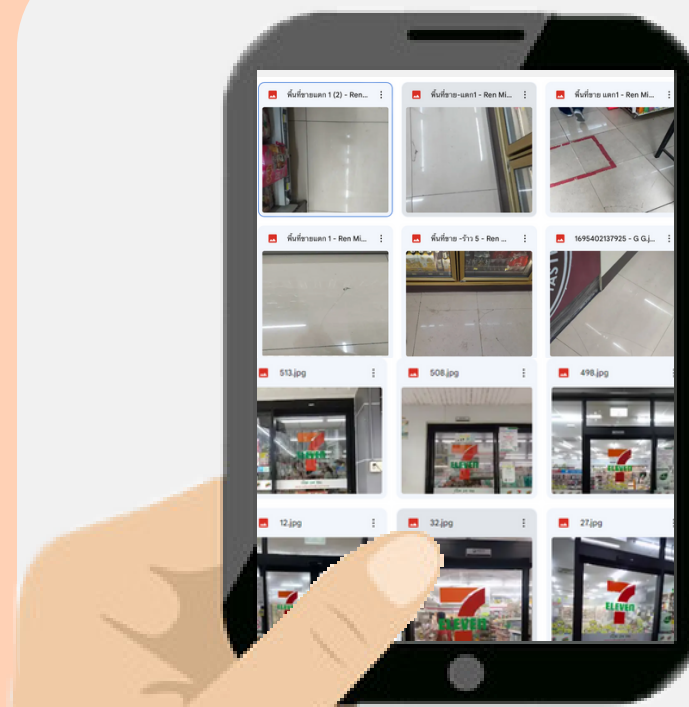


## value

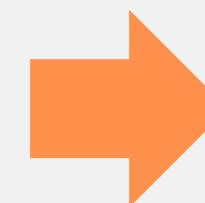
**Reduce** cost more than **700,000 Baht per year**

**Reduce** the incorrect calls more than **700 calls per year**

## Overall system



UPLOAD



Select a picture from gallery



Object   
Material Type   
Location   
Contact

System send result back as following detail