

# Interpretation of change of buildings

## Points

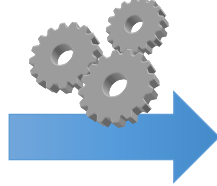
- Detect buildings from satellite imagery and AI technology and interpret the changes by comparing with dual temporal data
- Drastically able to save the labor cost compare with the interpretation by human eyes
- This methodology won the first prize at CVPR competition in 2018

## Overview

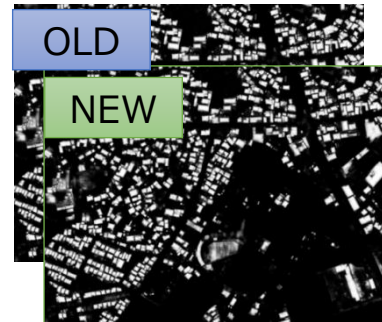
### Dual Temporal Satellite Imagery



AI  
Building  
Detection Models



### Result of Building Detection



### Polygon processing of the buildings



### Add result of change categories

- New Construction
- Loss of building
- Rebuilding
- Unchanged



AI  
Change Category  
Models

