



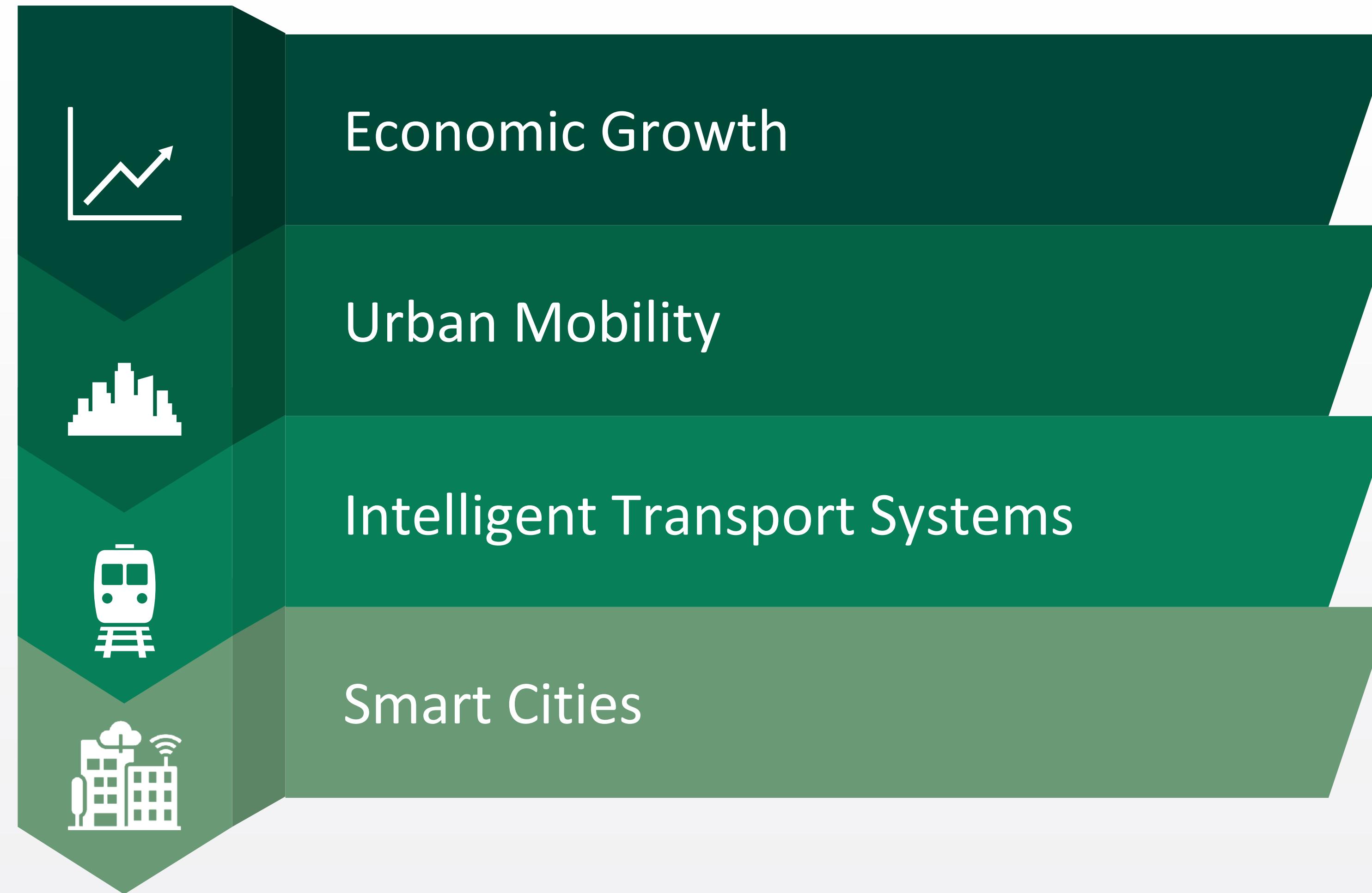
# CATCH-ALL

Visual Artificial Intelligence for Smart Urban  
Traffic Monitoring and Management

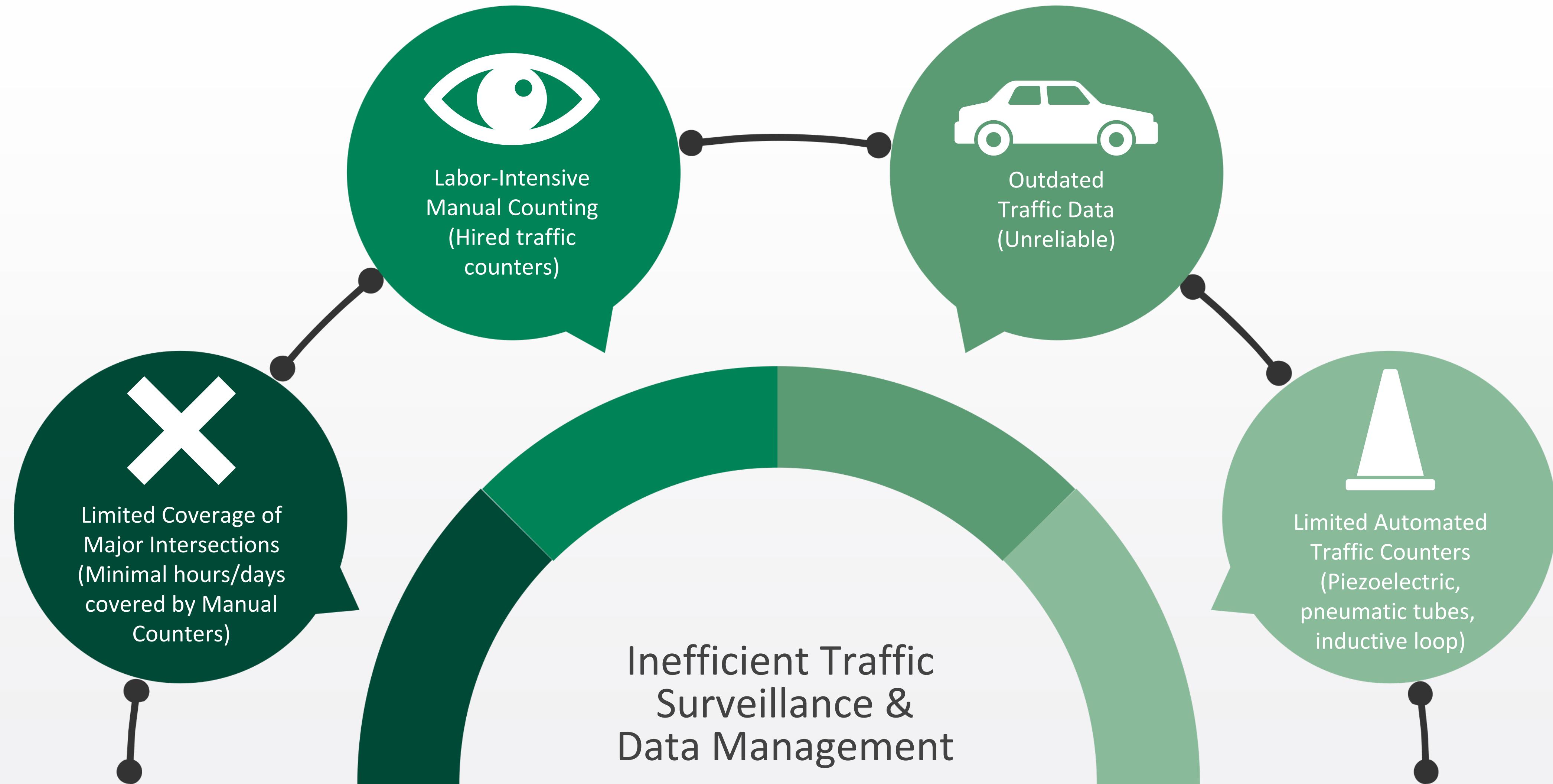
Transforming cities and communities into  
smart, organized, sustainable,  
and safe urban centers



# Rationale



# The Problem



# Target Market



Government



Law  
Enforcement



Traffic  
Management



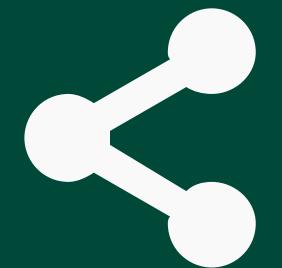
City  
Surveillance



Transportation



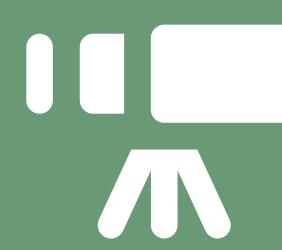
Public  
Safety



24/7 Automated  
Data Acquisition



Prioritization  
Based on volume



Policies  
Traffic Experience

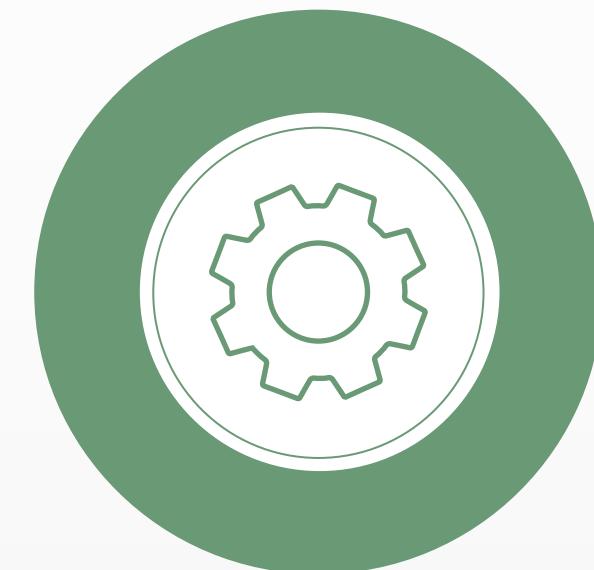


Systems  
Transportation & Management

# Our Goal

## Artificial Intelligence

Automated and cost-effective data acquisition and processing with respect to Standard Vehicle Classes



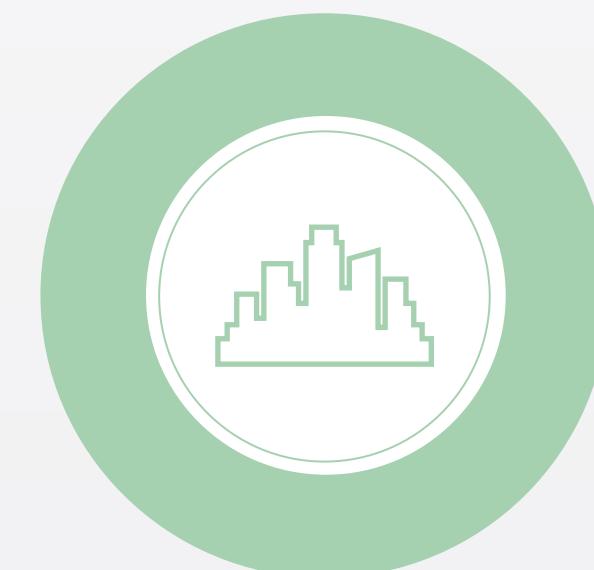
## Portable Devices

Numerous cameras can be sustainably used and easily mounted in varying scenarios and conditions



## Data Analytics

Automated reports for data-driven tasks



## Mobility Solutions

Traffic monitoring solution together with fleet monitoring and management



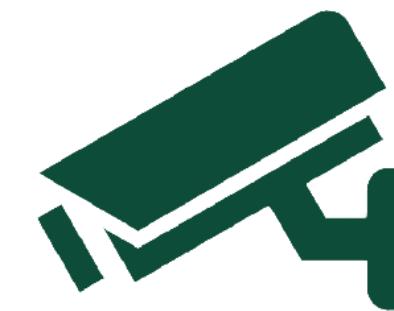
## Cloud & IoT

Network of devices for an integrated 24/7 surveillance and traffic management system of various areas



# CATCH-ALL Visual Artificial Intelligence

A vehicle detection application for traffic monitoring, congestion analysis, and transport and traffic planning



## CCTV Network

Automated detection and counting of vehicles passing in CCTV coverage areas.

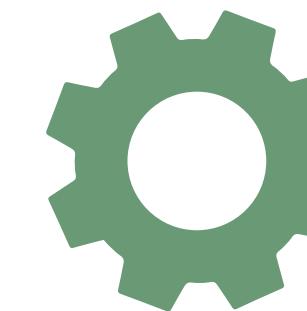
1



## Custom

Vehicle profiling that can have customized labeling information based on client use-case.

2



## Automation

Automated record and report generation of vehicle volume and density based on vehicle types, location, date, and time.

3

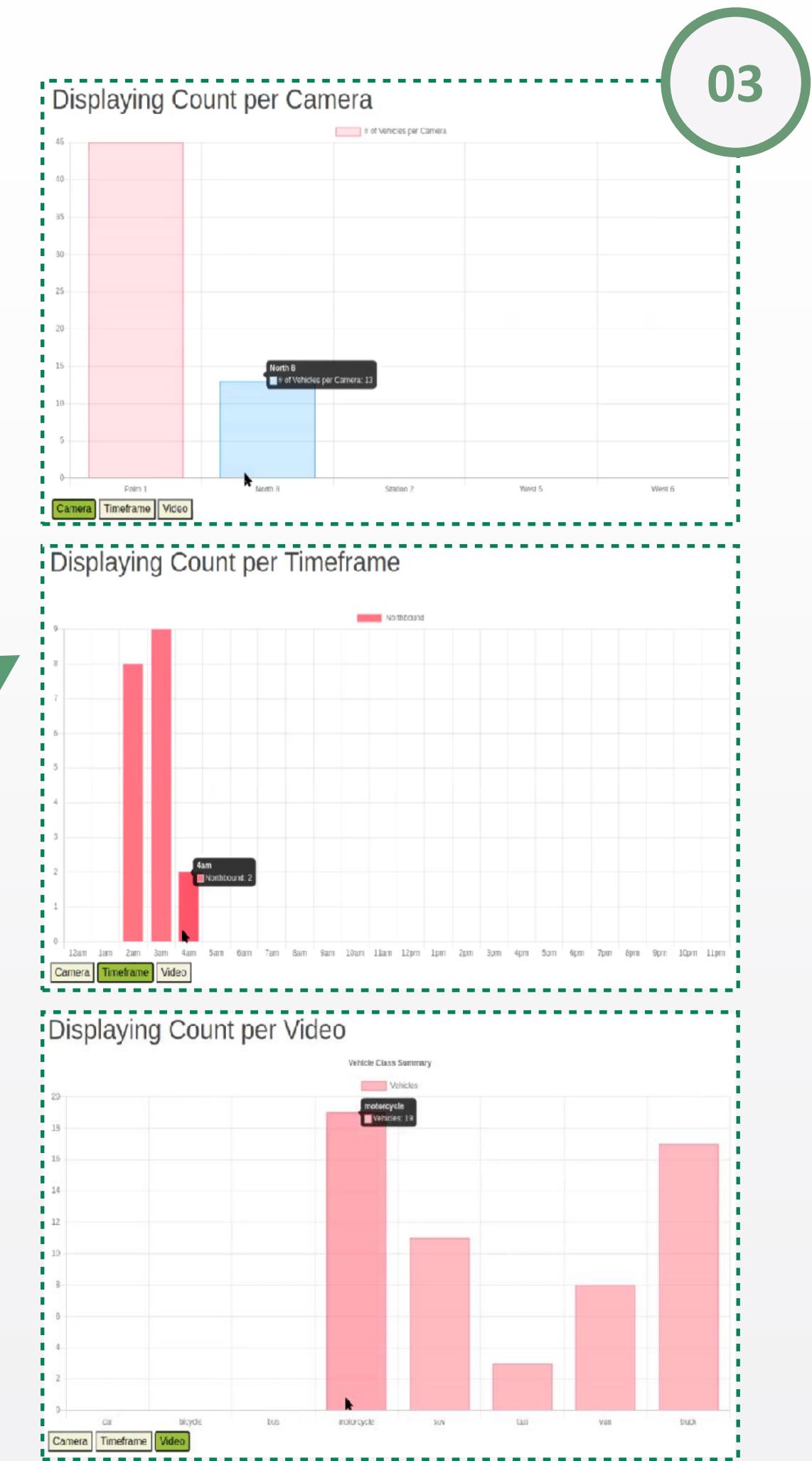
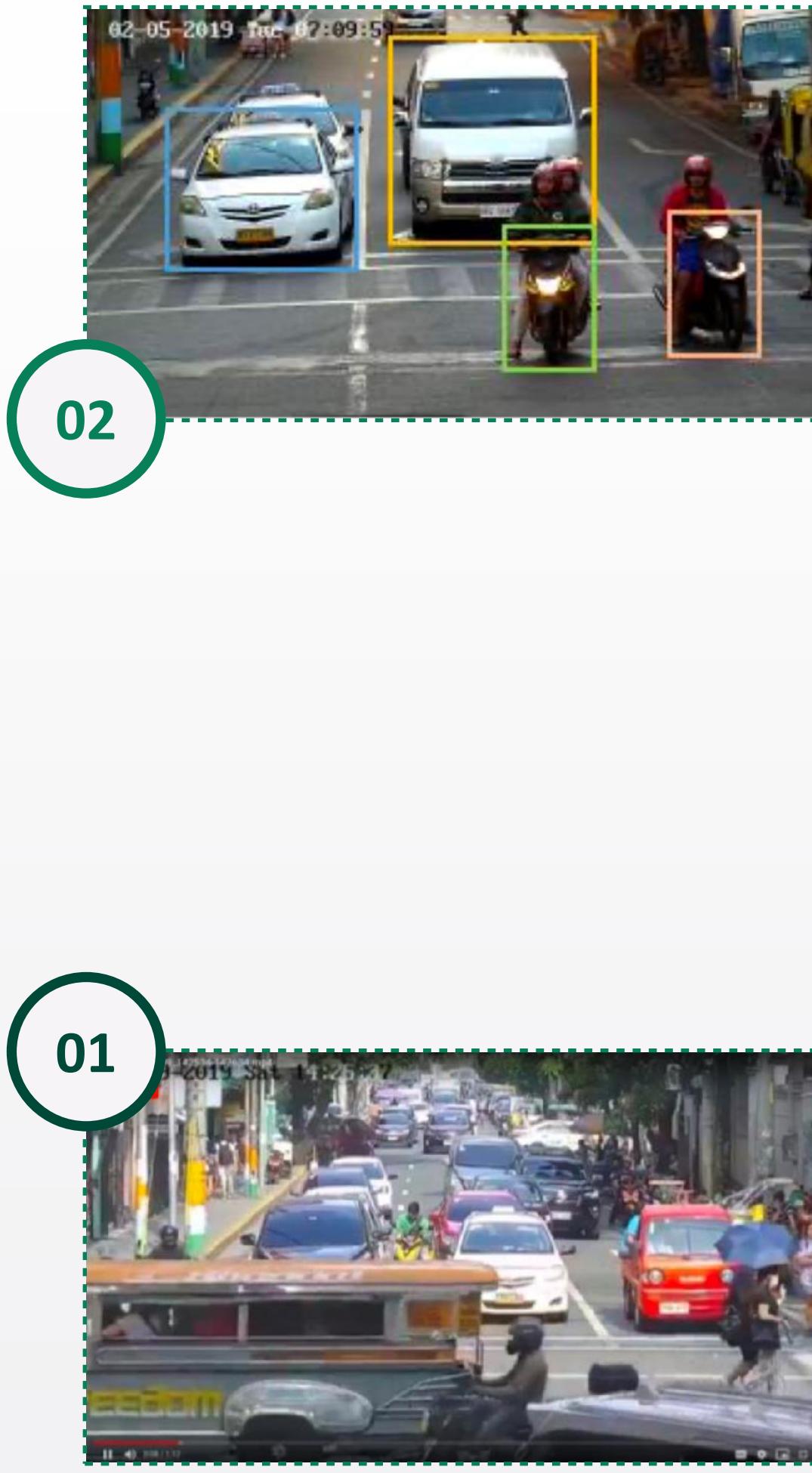


## Data-Driven Decision Support

Traffic data can be used as a basis for decision making and policies

4

# CATCH-ALL Visual Artificial Intelligence Process



# CATCH-ALL in the News

SECTIONS Thursday, September 10, 2020

INQUIRER.NET

TODAY'S PAPER



## MMDA to test DLSU's smart technology to catch violators on Edsa

By: Jovic Yee - Reporter / @jovicyeeINQ Philippine Daily Inquirer / 05:05 AM September 13, 2017



DOST, DLSU test contactless apprehension for traffic violators



## DOST-PCIEERD, DLSU LAUNCH CONTACTLESS APPREHENSION FOR TRAFFIC VIOLATORS

Published: 29 May 2017

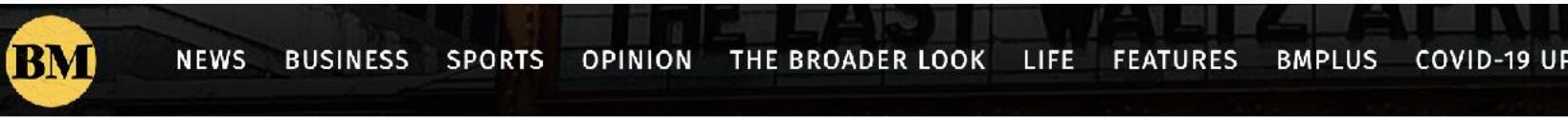


CATCH-ALL LAUNCHING @ DLSU  
MAY 15, 2017



September 11, 2017

MMDA partnered with DOST to strengthen the implementation of the No-Contact Apprehension Policy



News | Nation

## New DOST app boosts MMDA's no-contact apprehension policy

By Claudeth Mocon-Ciriacos | September 12, 2017



June 15, 2017 • @ Melvin Calimag • 9:17 pm

## DOST, DLSU test contactless apprehension for traffic violators



AUTOINDUSTRIYA.COM

## New software can catch traffic violations all-day

De La Salle University launches new CATCH-ALL apprehension software

DLSU-DADIOS-CATCH-ALL, DOST

June 12, 2017 10:31



CATCH-ALL software to capture motorist's traffic violations 24/7

Updated Jun 14, 2017 | Same topic: Latest Consumer Reports

MANILA BULLETIN

## 'CATCH-ALL' project tracks traffic violators

College • Higher Education • De La Salle University • La Salle University

4 Jun 2017 By MARTIN A. SADONGDONG



DOST-funded technology can track traffic violators 24/7

July 2, 2019 admin News, Press Releases



TECHNOLOGY

Metro Cebu News

## DOST-PCIEERD, DLSU Launch Contactless Apprehension for Traffic Violators

Published 3 years ago on June 4, 2017  
By PIA

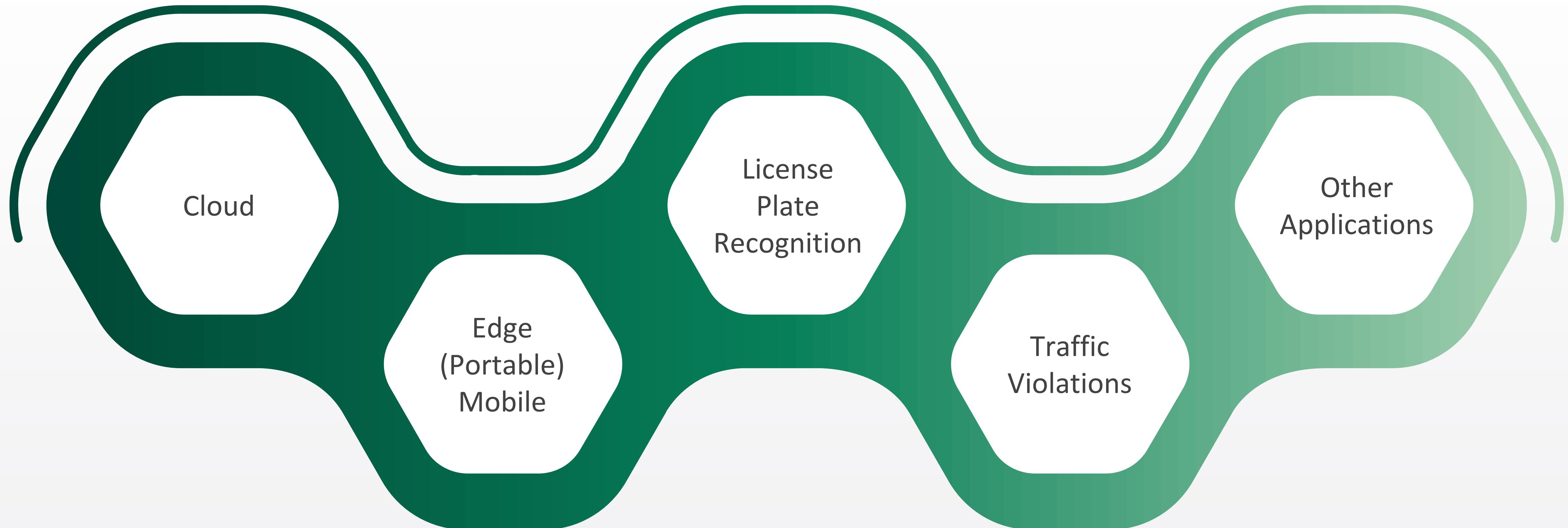


News September 18, 2017 By C! Magazine Staff

## MMDA, DOST to strengthen No-Contact Apprehension Policy

DOST develops new app for contactless apprehension of MMDA

# Technology Roadmap



# Our Team



**Elmer Dadios, Ph.D**  
Founder and President



**Robert Billones, Ph.D**  
Co-Founder, Business Development  
and Technology Manager



**Laurence Gan Lim, Ph.D**  
Co-Founder, Company Secretary



**Edwin Sybingco, Ph.D**  
Co-Founder, Finance Officer



**Alexis Fillone, Ph.D**  
Co-Founder, Urban Transport  
Planning Adviser



**John Anthony Jose**  
Co-Founder, Technology  
Development Lead



**Johnny Sy**  
Industry and Business Adviser



**Marielet Guillermo**  
Cloud & Network Engineer



**Allysa Kate Brillantes**  
Data and Artificial Intelligence  
Engineer



**Athena Pascua**  
Software Engineer

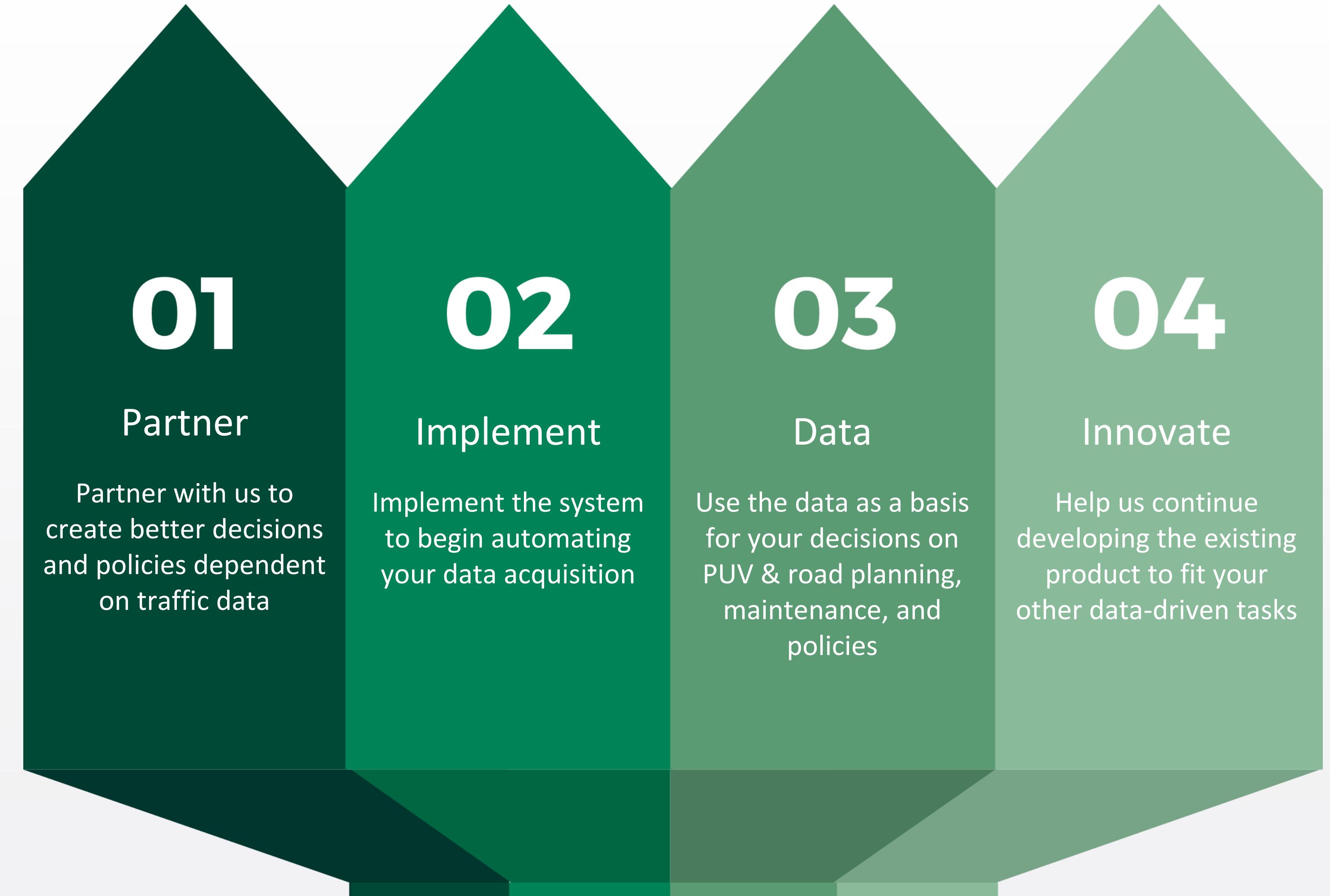


**Cyril Cero**  
Artificial Intelligence Engineer

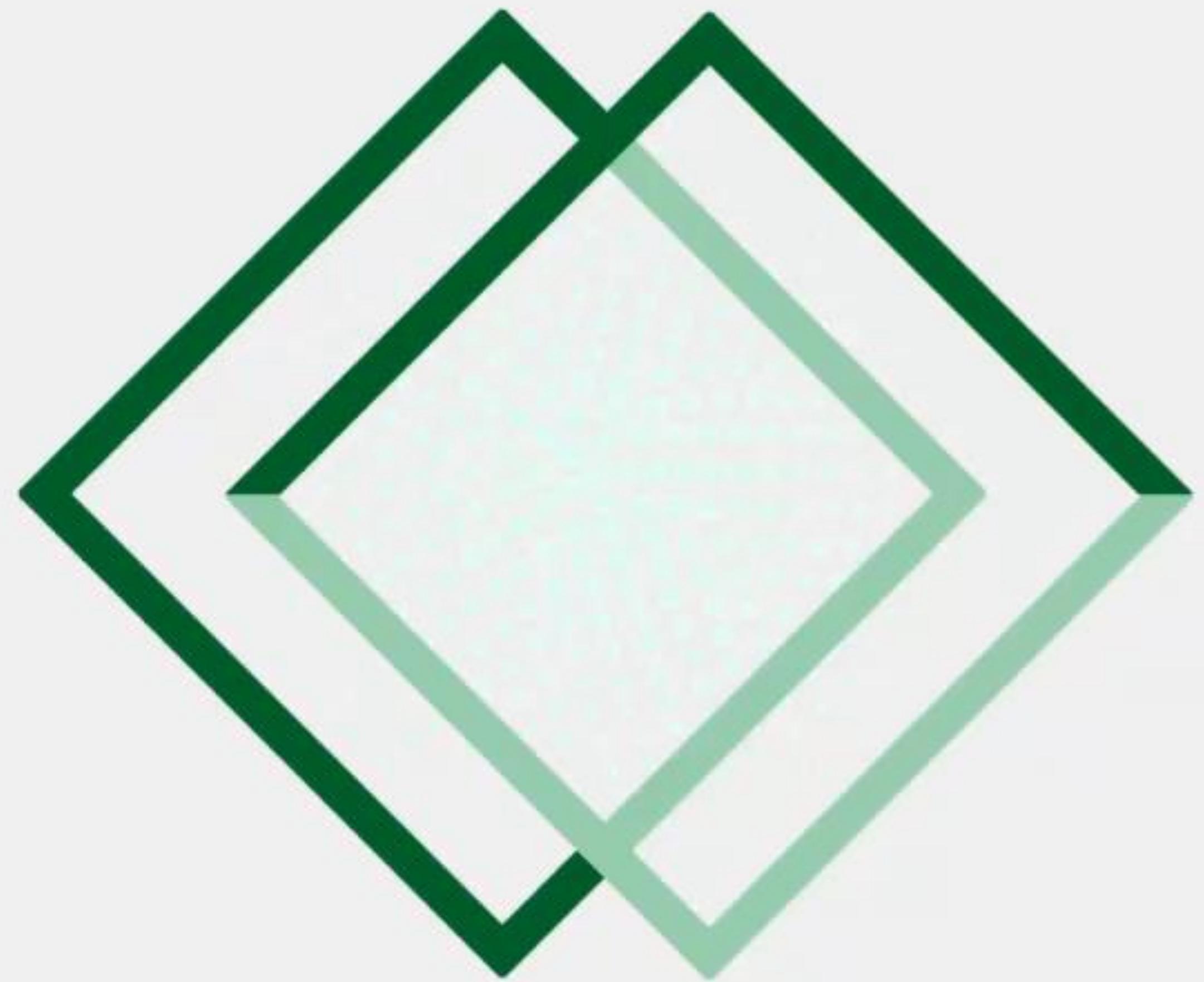


**Samantha Santos**  
Student Researcher

# Catch-ALL to Action







**CATCH-ALL**