



Projects Highlights

MAXXIMA COMMUNICATION SYSTEM



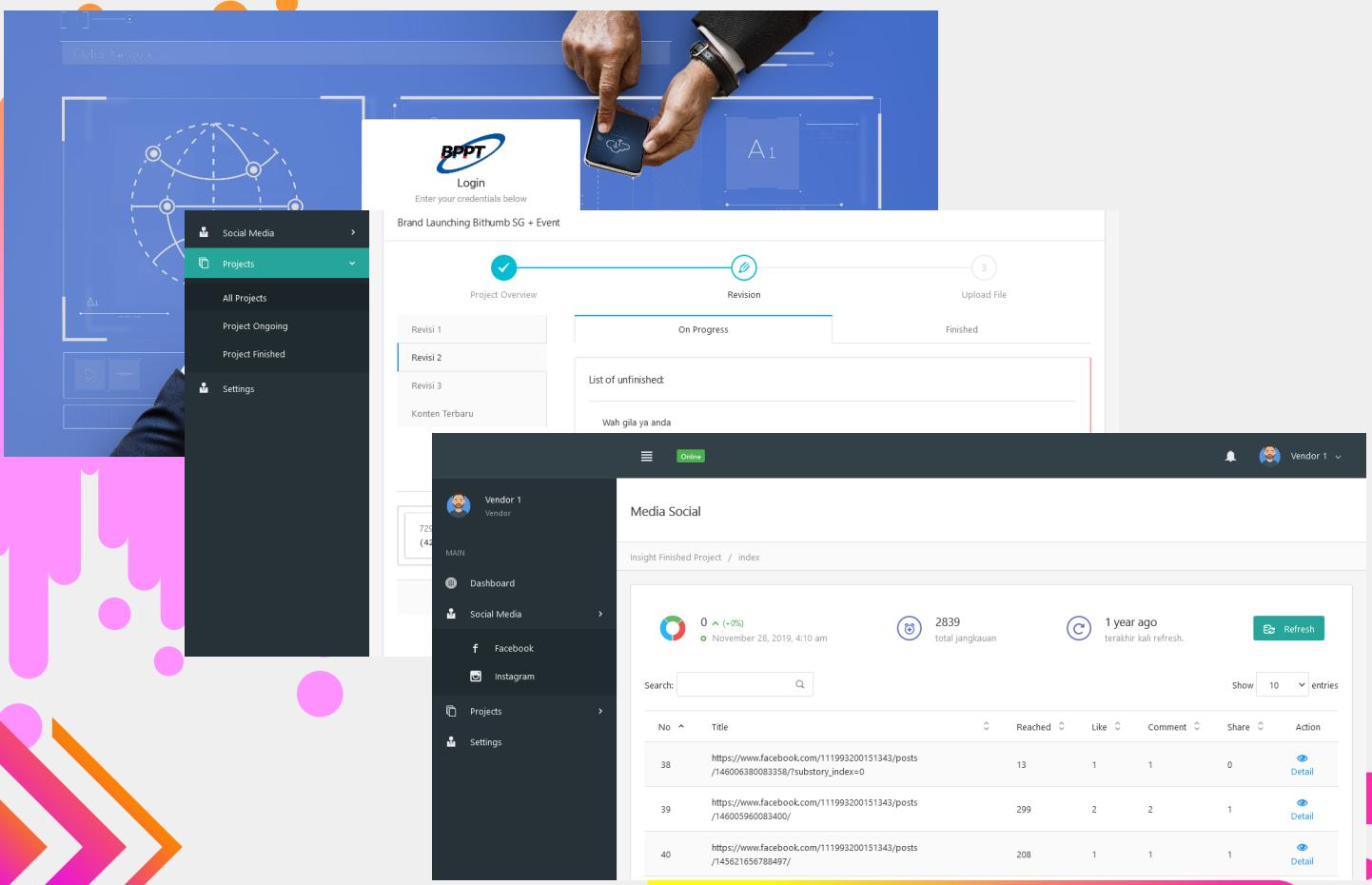
Allow teammates to easily talk within a local network while allowing group communication up to 60 channels, built on UDP protocol.

Delphi

My responsibility for this project are:

- Designing and implement the user interface.
 - Analyzing the project requirement.
- Code development and feature implementation.

MEDIA INTELLIGENCE



A project management system that allows both creator and vendor to collaborate together within a project, while also able to fetch and analyze data from social media.

PHP, Laravel 6, JQuery, Facebook API

My responsibility for this project are:

- Designing and implement the user interface.
 - Analyzing the project requirement.
- Code development and feature implementation.

VMTS - INTERACTIVE



Educational tool using a cool Virtual Reality and Motion Sensing tech to teach the user how to disassemble and do maintenance on machine parts that allow teaching to be more cost-effective.

Unity, C#, LeapMotion, Oculus

My responsibility for this project are:

- Design the create interface including placing all environments
 - Analyzing the project requirement.
- Breakdown and manage tasks to be assigned later
 - Code development, integrate the controller both oculus and leapmotion.

VR BIKE FOR BPWS



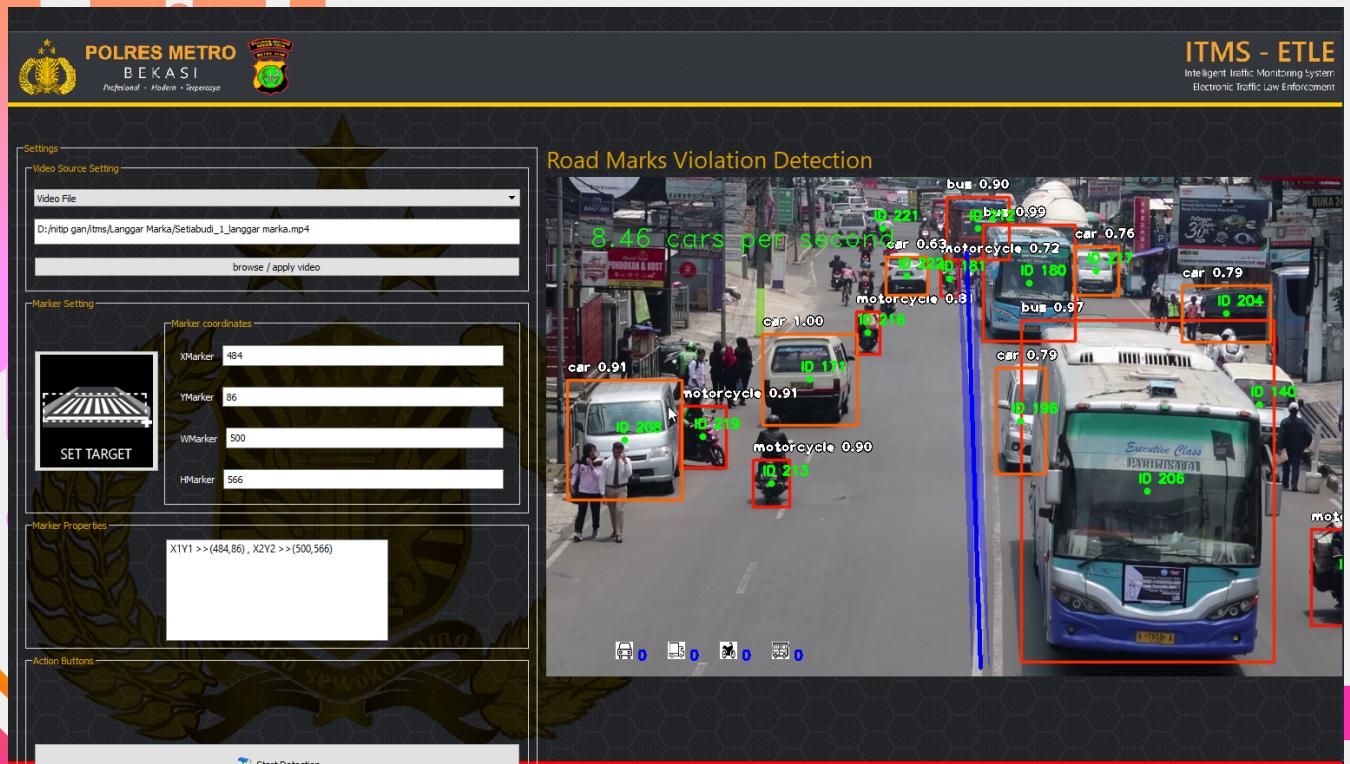
Ride your physical bike and enter the virtual world, with selectable maps and dynamic weather system.

Based on a real-world location around Madura, that allows you to explore. Specially made for BPWS.

Unity, C#, Oculus, Arduino

As the main and only developer of this project I:

- Designing the user interface.
- Analyzing the project requirement.
- Code development and feature implementation.



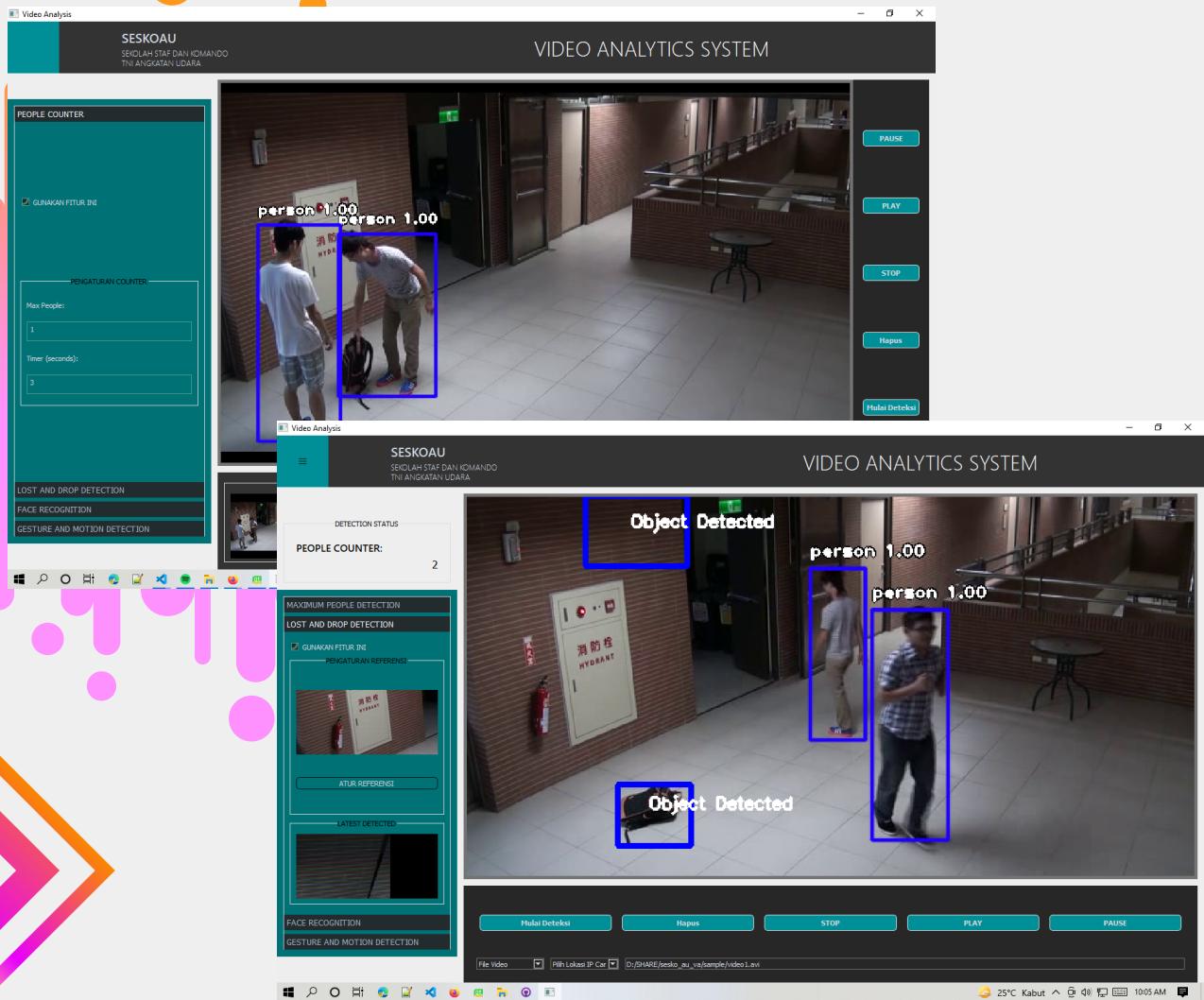
A Computer Vision system that detects traffic violations such as illegal parking, red lights violation, speed violation, wrong direction, road mark violation from IP camera or video. It can also, identify a traffic accident or fire as it happening

Python, OpenCV, PostgreSQL

Scope of this project:

- Design the interface
- Utilize faster detection with GPU using tensorflow GPU
- Develop some features including smoke detection, accident detection, and road mark violation.
- Optimize detection

VIDEO ANALYTICS



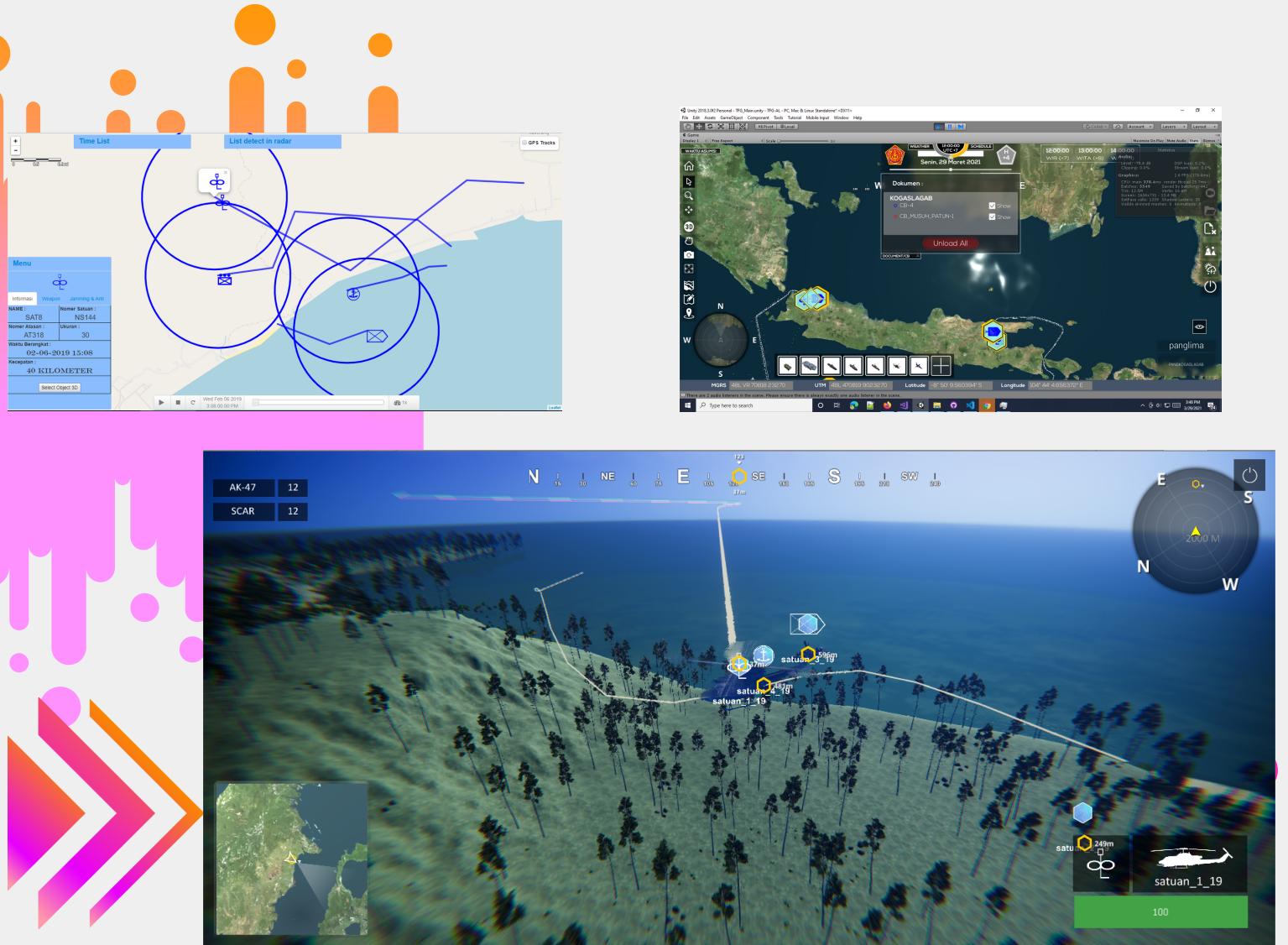
Using computer vision technology to help a smart campus, the administrator can monitor people in an area including identification, gesture and face recognition, and item lost and drop detection.

Python, OpenCV, PostgreSQL

Scope of this project:

- Design and implement the interface
- Utilize faster detection with GPU using tensorflow GPU
- Initialize the base project and develop two features including people counting and lost & drop detection.

TACTICAL FLOOR GAME



A 2D tactical military game visualization, allowing the user to analyze terrain, radar, and other data strategically.

C#, Leaflet, Unity, Socket.IO

Scope of this project:

- Develop some of 2D features including radar, land and river detection, elevation detection, etc
- Develop some of 3D features including waypoint and movement, environment builder, labels etc. (Can't remember, too much features)

Another Projects:

- Incidio (Incident Reporting)

Scope:

- a. Develop a Laravel 5.2 web application to manage any report that is sent by mobile apps.
- b. Visualize reports on map using pinpoint.

- Surveyor Pushidrosal

Scope:

- a. Create a CRUD module and registration system using Laravel.

- Notadinas Pushidrosal

Scope:

- a. Create a CRUD module of Incoming Mail.

- MCC Avaya Polri

Scope:

- a. Develop VoIP Call
- b. Develop VoIP Chatroom

Another Projects:

- SIMKAH

Scope:

- a. Doing penetration security and profiling for later to be report on.

- E-Shop Pushidrosal

Scope:

- a. Create some CRUD modules using Laravel

- EPPKM

Scope:

- a. Create some CRUD modules using Laravel

- VCON

Scope:

- a. Install and setup a VCON
- b. Improve and fix the interface

Another Projects:

- FSLink ADBTS

Scope:

- a. Integrating Prepar3D to a C# and Delphi application.

- Miners Portal

Scope:

- a. Design and create a landing portal for miners.

- Miners GIS

Scope:

- a. Develop a custom plugin to filter forest and companies that spread across Indonesia.

- ADBTS Dahanud

Scope:

- a. Similar to FSLink, but for ground vehicle.

- ADBTS KRI

Scope:

- a. Similar to FSLink, but for ship.

Another Projects:

- Kemendag Mobile

Scope:

- a. Create input products and manage products.

Using Flutter.

- Mobile Inspector

Scope:

- a. Create a report and send it using REST API.

- SMFA

Scope:

- a. Create a mockup for whole apps
- b. Slicing and templating to laravel views.

- WMS

Scope:

- a. Create some CRUD modules using Laravel
- b. Develop a mapping features for warehouse using javascript library.

... and many more that I can't remember.