



# **Projects Highlights**

# MAXXIMA COMMUNICATION SYSTEM



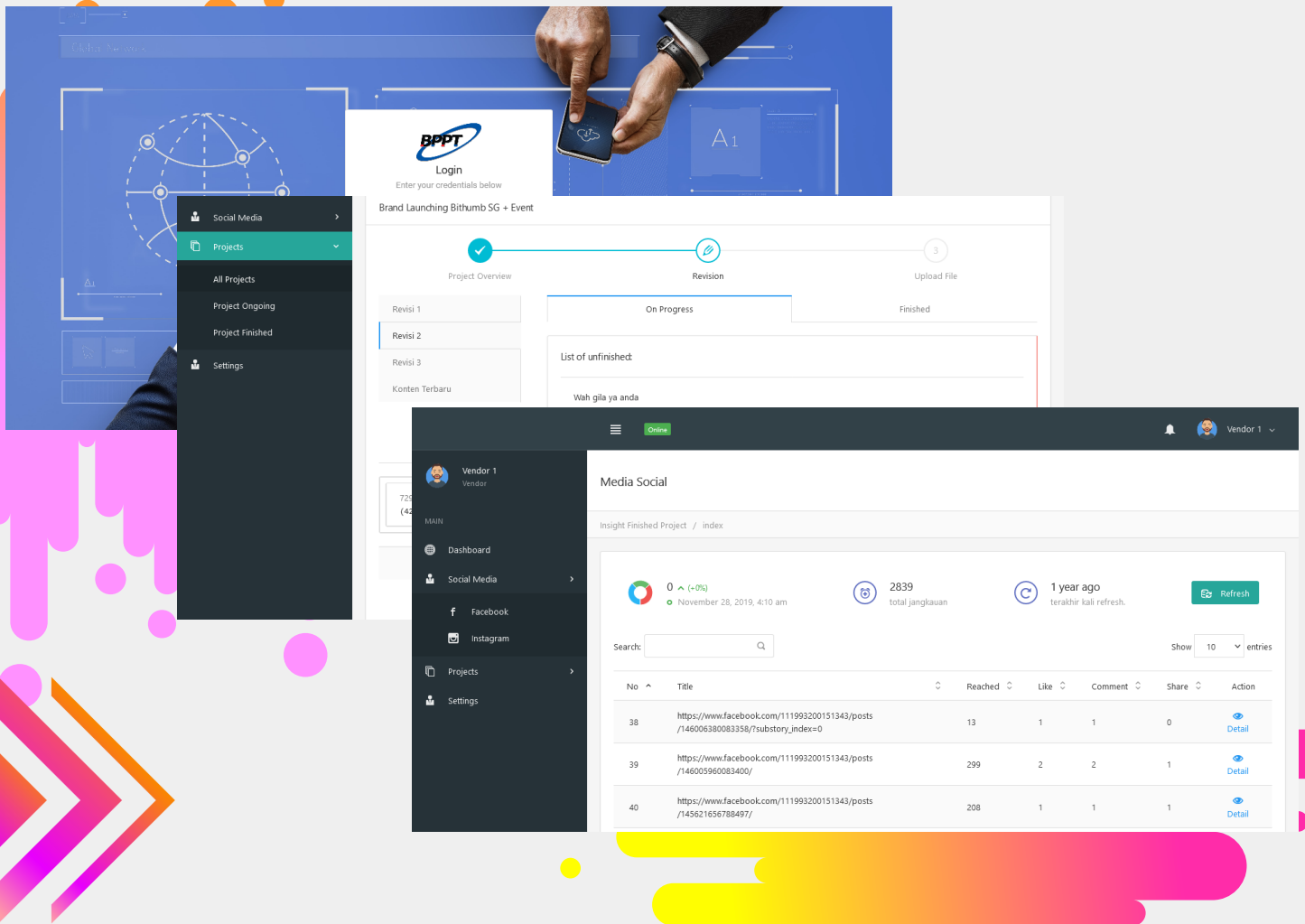
Allow teammates to easily talk within a local network while allowing group communication up to 60 channels, built on UDP protocol.

## 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.

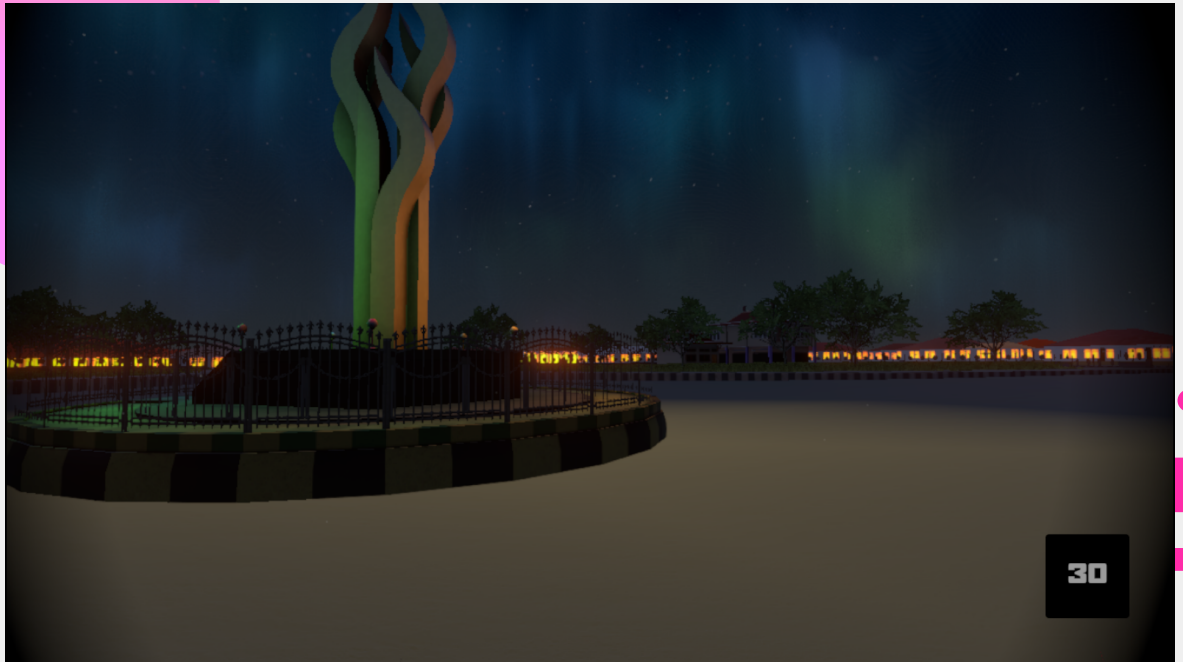
## Unity, C#, LeapMotion, Oculus

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.



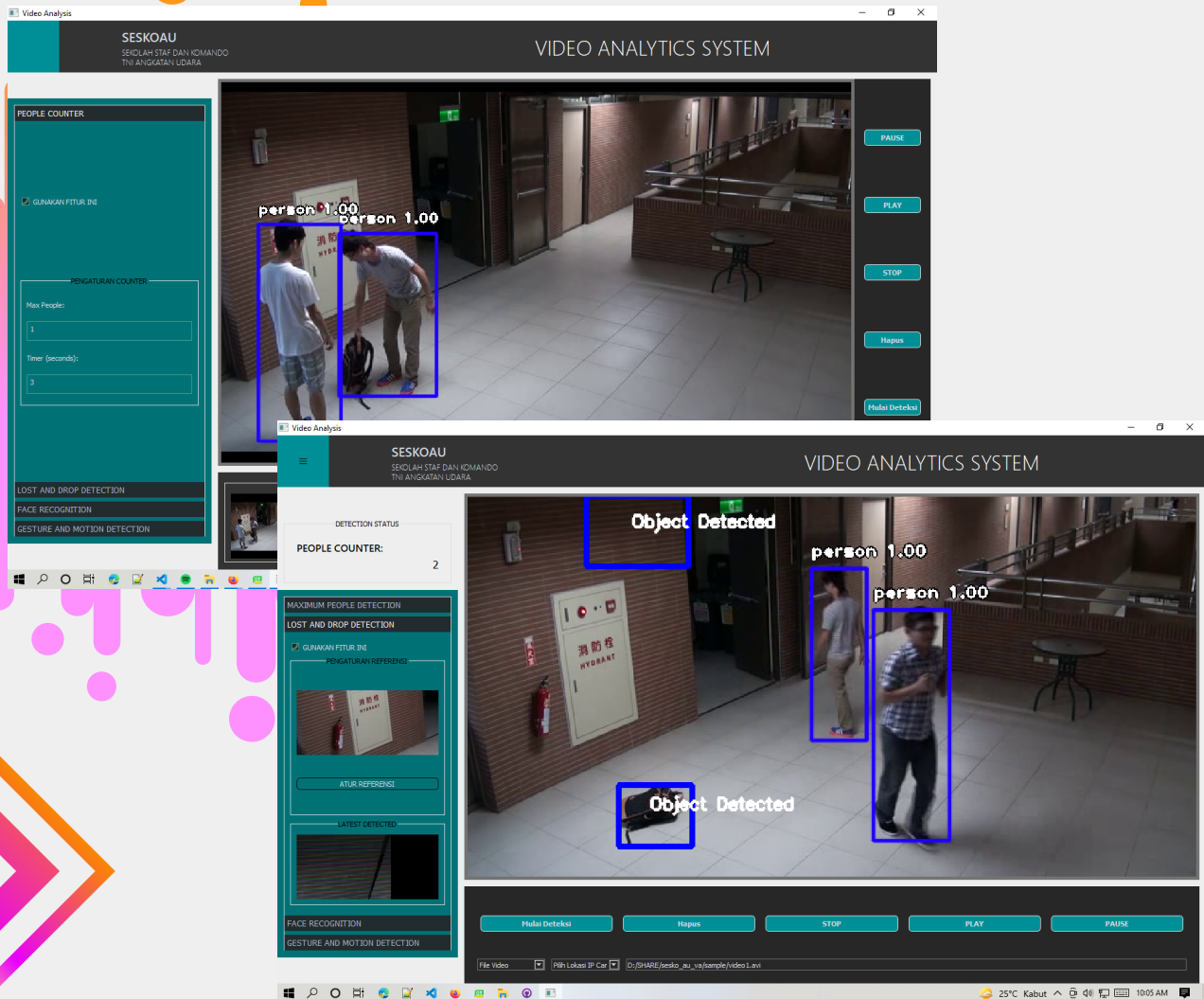
A Computer Vision system that detects traffic violations such as illegal parking, red lights violation, speed violation, wrong direction, road mark violation from IP camera or video. It can also, identify a traffic accident or fire as it happening

## 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.

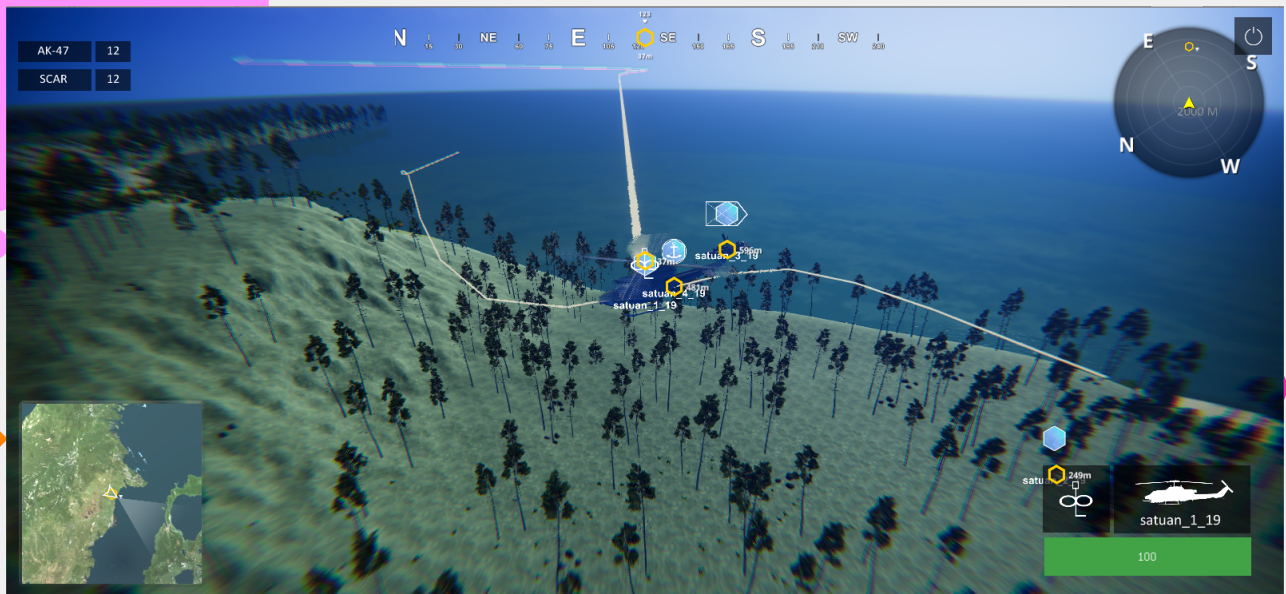
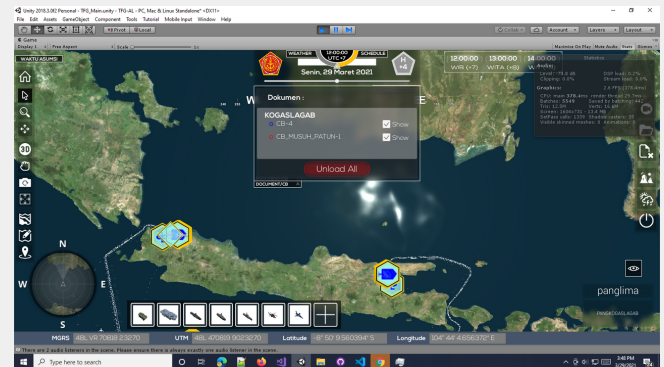
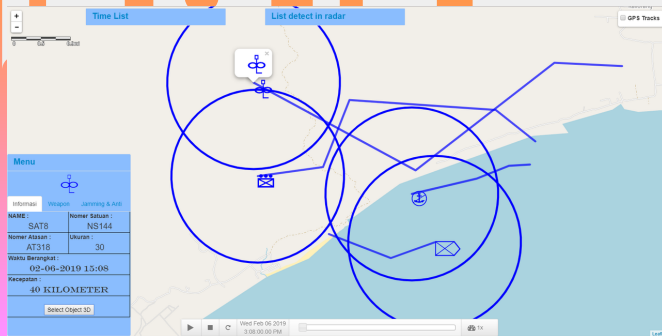
## Python, OpenCV, PostgreSQL

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.