Current project

- Aerial vision for ground troops using consumer hardware
 - DJI Mavic Air 2s \$700
 - DJI Mavic Advanced Industrial portable aerial
 thermo imaging solution \$6000
 - MS Hololens 2 mounted on the helmet could be replaced by smartphone client in majority of situation \$3000

Roadmap

1. Oracle

A. iPhone Ground Station app

- I. connects to DJI remote over DJI SDK
- II. Connects to system's server
- III. Broadcasts repacked video from drone via 4G connection
- IV. Pilots drone according to the instruction from the server

B. iPhone/Hololens 2 Fighter app and a webpage

- I. Displays received from broadcast Video from camera of drone
- II. Displays GPS coordinates of Drone and of the Fighter

C. System's server

- I. Supporting multiple concurrent connections of the iPhone Ground Station apps
- II. Efficiently and scalable records multiple drone camera streams
- D. Hololens/Helmet mount 3d print

2. Raven

- A. iPhone Ground Station app
- B. iPhone/Hololens 2 Fighter app
- sign' Putin is weighing up use of I. Shows GPS markers of recognized targets received from the System's server
- C. System's server
 - I. CV/DeepML (trained YOLO model) for recognition of humans, vehicles in aerial footage

Japan spots Russian amphibious ships

II. Tracking of targets

- 1. On-board 4G/Starlink connectivity for DJI Mavic
- - 1. Direct control of DJI Mavic's

