

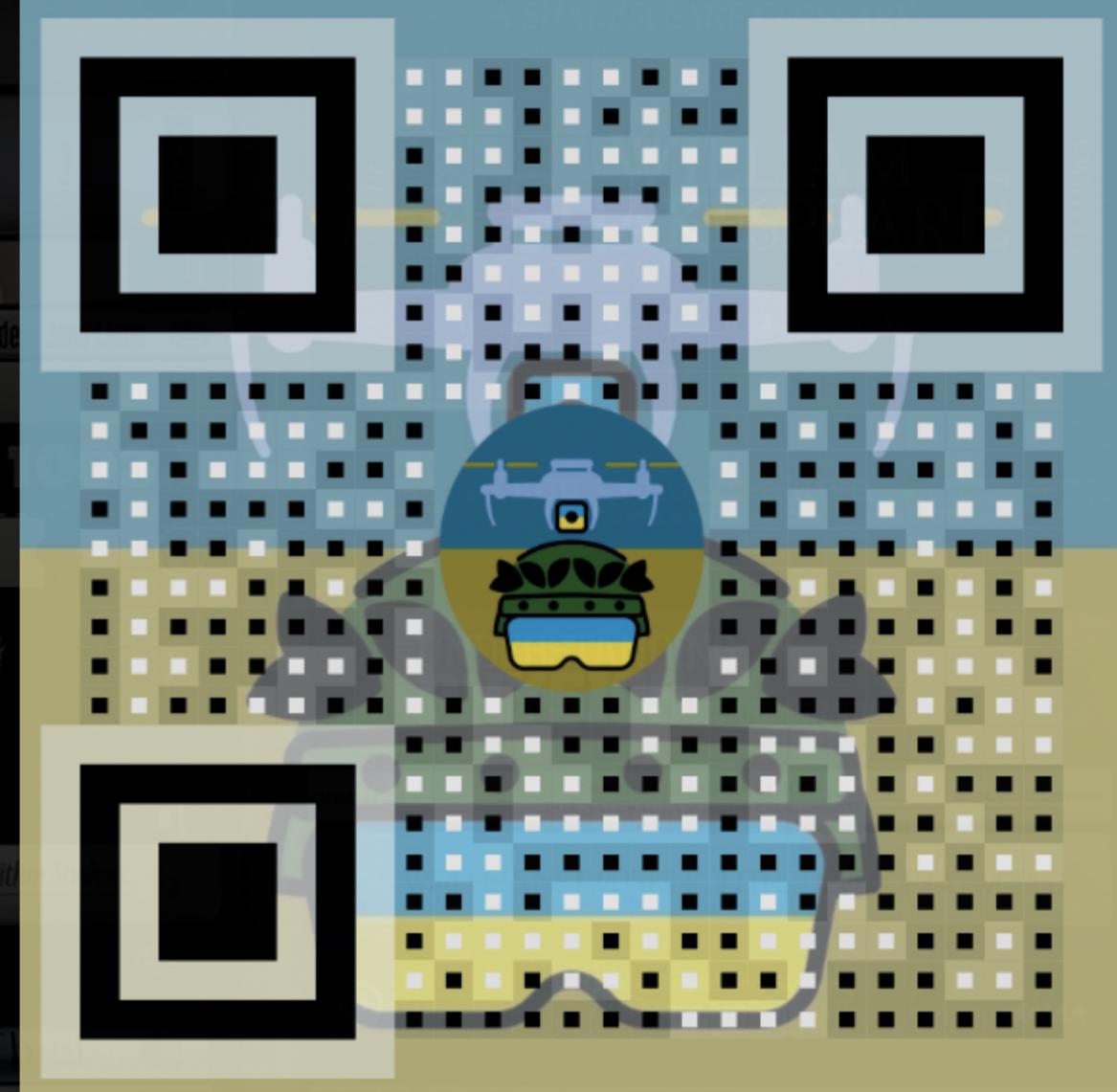


Aerial vision
foreground
+ troops

The background features a blue-toned illustration of a city street. In the foreground, there's a tan-colored silhouette of a tank and some soldiers. One soldier is standing prominently in the center, holding a rifle. The text "Aerial vision" is in yellow, "foreground" is in green, and "+ troops" is in cyan.

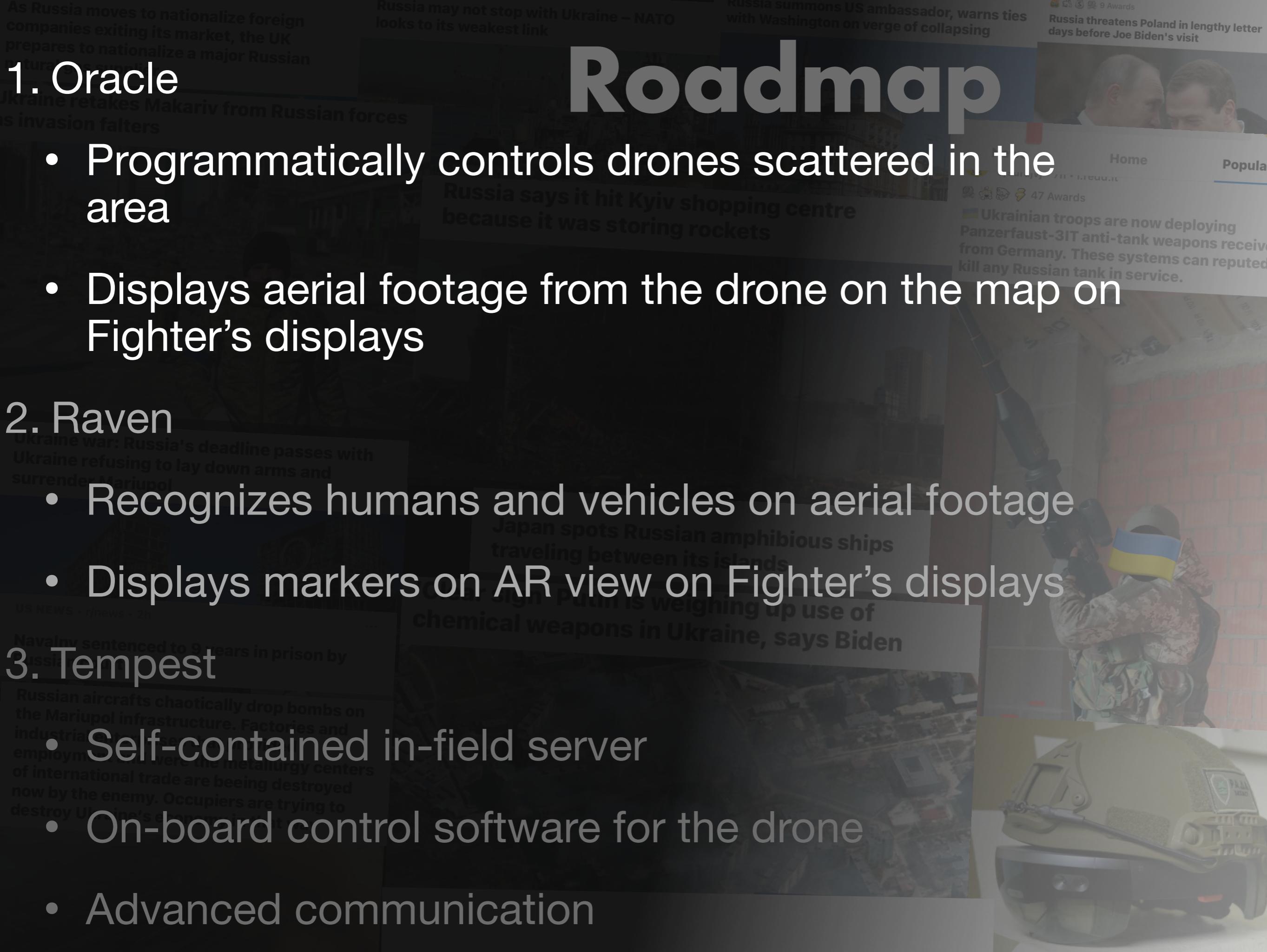
System "Zir"

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



Aerial vision for ground troops

zirukraine.com



1. Oracle

- Programmatically controls drones scattered in the area
- Displays aerial footage from the drone on the map on Fighter's displays

2. Raven

- Recognizes humans and vehicles on aerial footage
- Displays markers on AR view on Fighter's displays

3. Tempest

- Self-contained in-field server

- On-board control software for the drone

- Advanced communication

Roadmap

Deliverables

- 6 months
 - 100 drones/500 fighter's displays are in use
- 4 engineers
 - Pilotless aerial vision for individual
- 12 months
 - 500 drones/5000 fighter's displays are in use
 - 7 engineers
 - ML/CV recognition of the ground targets
- 24 months
 - 2500 drones/20 000 fighter's displays are in use
 - 12 engineers
 - Command/tactical features of software

A. iPhone Ground Station app

- I. *Broadcasts drone video*
- II. *Pilots drone according to the instruction from the server*

B. iPhone/Hololens 2 Fighter app and a webpage

- I. *Displays aerial video fixed onto the map and raw video*
- II. *Displays GPS coordinates of Drone and of the Fighter*

C. System's server

- I. *Handles multiple Ground Stations*

D. Hololens/Helmet mount

E. Printed fighter manuals

F. Ground Station / StarLink connection

Deliveries - 6 months



asted AR vision for soldier

DJI Mavic 2 Enterprise Advanced
MS HoloLens 2
DJI Mavic 2/3/Air
iPhone XR

zirukraine+donations@gmail.com

Press “Play”

Drone assisted AR vision for soldier



CV/ML Scientist
Mobile Software Engineer
Industrial Designer

zirukraine+jobs@gmail.com

What do we have

- People
 - Software engineer generalist
 - Unreal Engine software engineer
 - Part time iOS developer
 - Graphics designer
- Prototypes
- Users in Ukraine



What do we need

<u>\$ 470 k</u>	<u>First Stage</u>
<u>\$ 30 k</u>	<u>Starting cost</u>
<u>\$ 73 k</u>	<u>Monthly Upkeep</u>
-	Software Generalist Hire
\$ 4 k	SW hardware kit
\$ 4 k	Unreal Engine Developer
\$ 4 k	SW hardware kit
\$ 4 k	Robotics engineer Hire
\$ 4 k	SW hardware kit
\$ 7 k	Mavic 2 Enterprise Advar
\$ 2 k	Heisha D80 Drone Dock
\$ 5 k	MS Hololens 2 Industrial
<u>\$ 2 335 k</u>	<u>Second Stage</u>
<u>\$ 25 k</u>	<u>Helmet mount for Hololens</u>
<u>\$ 128 k</u>	<u>Monthly Upkeep</u>
\$ 1 k	ML/CV specialist Hire
\$ 4 k	SW hardware kit
\$ 26 k	Mac Pro maxed out
\$ 1 k	Industrial designer
\$ 6 k	Designer hardware kit
\$ 1 k	Helmet x 3
\$ 15 k	3D printer x 3
\$ 2 k	Night vision goggles



Cost of third

First product production/ne

Monthly Up

Airsport Doc//www.airsport.me

