



SCOPE OF THE

PROBLEM

By mining vast areas of Ukraine, Russia created the largest minefield in the world — around 250,000 km². It's almost like the territory of Poland or Italy and bigger than the United Kingdom / State Emergency Service of Ukraine



the minefields could be 1000 meters deep with a high density of mines (up to 400 per 1000m) / 47th Separate Mechanized Brigade "Magura"

Scale

Density



Phoenix Storm employs a drone with multispectral sensors to quickly and accurately map minefields. A swarm of kamikaze drones then targets and neutralizes detected mines efficiently.

Fast identification

mother drone equipped with an array of sensors including optical/ thermal/ multispectral analysis and recognition

landmines recognition based on ML

demining corridor
planning

optimal corridor proposal & real-time planning/adjustment deployment of a kamikaze drone swarm

easy scalibility to install different amount of drones depending of the corridor depth

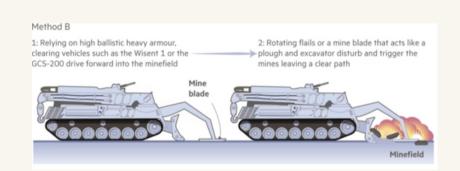
boom

boom

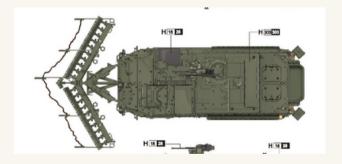
HOW PROBLEMIS

SOLVED TODAY

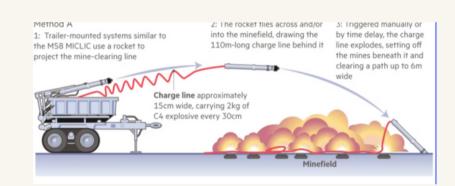
Expansiveness of use



Mine-clearing Vehicle



Weight Mine Rollers (LWMR)

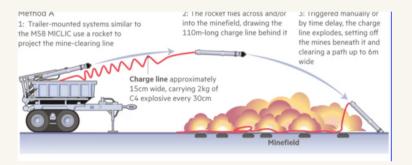


Mine Clearing Line Charge (~150 meters)

Mine-clearing vehicles, Weight Mine Rollers, and Mine Clearing Line Charge (MICLIC) — the first two cannot withstand a high density of mines. The last is too expensive and unsafe due to the close working range. All of them are a perfect target for the enemy at the front line.

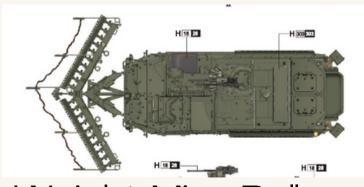
COMPARISON CHART

Mine Clearing Line Charge (~150 meters)

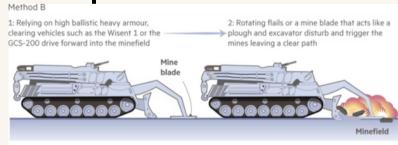




Easy to destroy



Weight Mine Rollers (LWMR)



Mine-clearing vehicle

Less risk for people and equipment

Mine Clearance Rate

(number of mines cleared per minute)

In the next [8-12] month

In [2] years

- Achieving mine detection rate >92%
- Increasing mine scanning speed to 5 mins per 1 km corridor (8 meters width)
- Solving the problem of accurate positioning of demining UAVs with the help of a local coordinate system

- Achieving mine detection rate >98%
- Testing in the military firing field
- Testing in real frontline conditions, working with customer feedback

- Scaling development for the wider Ukrainian Army needs
- Transform the product into an autonomous assistant for infantry and vehicles that accompanies the team in realtime, detecting and neutralizing mines as they advance

ROADMAP

MINE DETECTION RATE > 98% SCANNING SPEED < 5 min / km

LANDING ACCURACY ~99%

NIERNAL



TECHNICAL KPIS

FUTURE VISION

ZERO mine-related casualties during military operations:

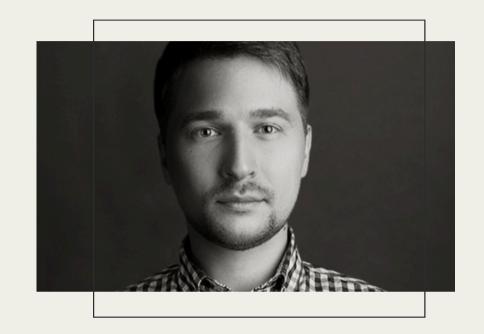
autonomous guardian Drone scan & following mode voice commands real-time recognition and display via XR glasses automatic landmines demolition new landmines types recognition with continual updates

10 YEARS AS ONE TEAM



Founder & CEO
Viktor Shkurba

Having founded a creative technology shop over 20 years ago, Viktor has transformed it into a leading digital production powerhouse in the region, boasting offices in Kyiv and Hamburg. His engineering background and an MSc in Technical Cybernetics enable him to tackle complex technical projects where creativity meets technology. His leadership has driven his company to regional acclaim and positioned it as a pioneer in adopting and advancing new technologies in AI/ML and AR/XR domains.



Founder & CTO
Andrew Sergeev

With over two decades in technology and leadership, Andrew has led more than 100 projects to successful outcomes, demonstrating his deep commitment to innovation and excellence. His education in Intelligent Software and Robotic Systems has provided a solid foundation for mastering the latest technologies. Andrew's extensive experience includes guiding software developers and engineers, always at the forefront of technological advancements.



Founder & COO
Svetlana Mironchuk

For over a decade, Svetlana has been crucial in driving innovation and execution in the technology shop founded by Viktor and Andrew. Her expertise in navigating the intricacies of product development from inception to market has been vital. As COO, she's elevated her role from leading technical project teams to managing multiple layers of management, guaranteeing operational efficiency and seamless execution of projects.



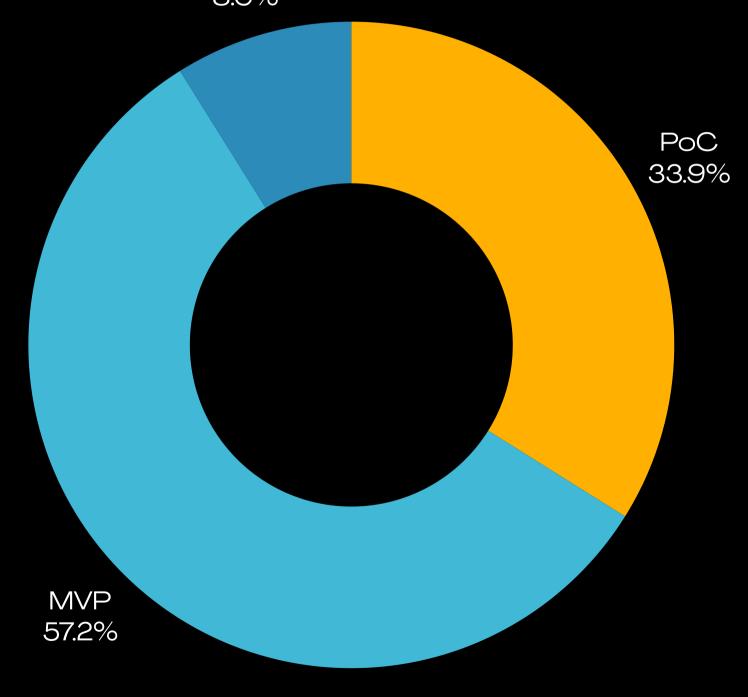
PRE-SEED OF THE PROPERTY OF TH

team investment

pre-seed investors

Customer & tech reserch / solution architecture	\$ 21 000	closed
Proof of Concept	\$ 27, 000 + \$ 52,000	partially closed
Minimum Viable Prototype	\$ 135,000	fundrising
Total fundraising costs	\$ 187,000+	for 6 monthes

Customer & tech reserch / solution architecture 8.9%





Approved by General Staff of the Ukrainian Armed Forces

Scored 6 out of 9 points for the level of scientific innovativeness by General Staff evaluation



BRAUE¹

UKRAINIAN DEFENSE INNOVATIONS

Part of Defence Innovations cluster