

# OdorSensor AI-Based drug analyzer

AI-driven odor analysis system for detecting narcotics, smoke powders, and viruses in real-time

# Problem

- ▶ Drug smuggling and synthetic substitutes pose safety risks
- ▶ Dogs and labs are expensive, slow, and vulnerable
- ▶ Technical solutions are currently expensive
- ▶ Not always reliable



# Solution

- ▶ OdorSensor: 24/7 thermodynamic gas analyzer network
- ▶ Detects substances by scent (up to  $10^{-10}$ )
- ▶ Responds to drugs, smoke powders
- ▶ Telegram alerts, cloud monitoring, alarm system
- ▶ Coverage of up to 5000 m<sup>2</sup> per unit

# MVP and Status

- ▶ Functional prototype (Arduino + MQ sensors)
- ▶ Tested on 5000+ individuals
- ▶ Proprietary schematics and detection algorithms
- ▶ Custom calibration per client
- ▶ Higher reliability than dogs, immune to background scents

# Target Customers

- ▶ Customs (auto, air)
- ▶ Police and security services
- ▶ Hospitals and quarantine zones
- ▶ International orgs (EU, WHO, UN)

# Business Model

- ▶ Device sales + annual subscription (alerts and services)
- ▶ White-label licensing
- ▶ Subscription-based sensor delivery

# Financial Request

- ▶ Seeking \$150,000 for:
- ▶ IP protection
- ▶ Production of 100 devices
- ▶ EU marketing
- ▶ Market entry within 6 months

# Founder

## 1. Vladyslav Vlastopulo

Director of Harvard Marine, professor-consultant. Doctor of technical sciences, author of a number of well-known works, currently specializing in tribological, ecological and biomedical engineering. Scientific director of the project.

## 2. Igor Chaadaev

Research engineer, experiment director, artificial intelligence programmer, electronics engineer, microcontroller programmer, gas analyzer equipment developer.

## 3. Yerokhin Oleksandr

Marketing Director. Market research and product promotion.

## 4. Andrey Lukashenko

Mathematician, biophysics air engineer.

## 5. Victor Michaylov

SAAS programmer, IT specialist.



# List of participants

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Participant No. *	Organisation name	Country
1 (Coordinator)	Harvard Marine LLC	Ukraine
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