



Vinnytsia  
National  
Agrarian University

# DEFENSE PROCUREMENT WITHOUT LOSSES: FROM DETECTING VIOLATIONS TO THEIR PREVENTION



RISK  
DETECTION  
TO VIOLATIONS



PREVENTIVE  
CONTROL



DATA  
INTEGRATION



SIGNALS  
AND RESPONSE



EFFECTIVENESS  
AND TRANSPARENCY



LOSS  
REDUCTION



ABUSE  
PREVENTION



TRANSPARENCY



EFFECTIVE  
RESOURCE  
ALLOCATION

Vinnytsia-2026



This startup is implemented as part of Project 2025.03/0012 «State Control of Defense Procurement in Ensuring the Financial Security of Ukraine» within a grant from the President of Ukraine for supporting scientific containing scientific research and development of young scientist-doctors of sciences



# DEFENSE PROCUREMENT CONTROL SYSTEM

does not provide a holistic view of risks and violations.



Fragmented Data



Classified Procurement and Over-classification



Conducting Procurement (up to 50k UAH) Outside Electronic Systems



Imperfect Counterparty Vetting During Procurement



Duplication of Functions Between Control Bodies

## APPROACH



control of violations

## APPROACH CHANGE

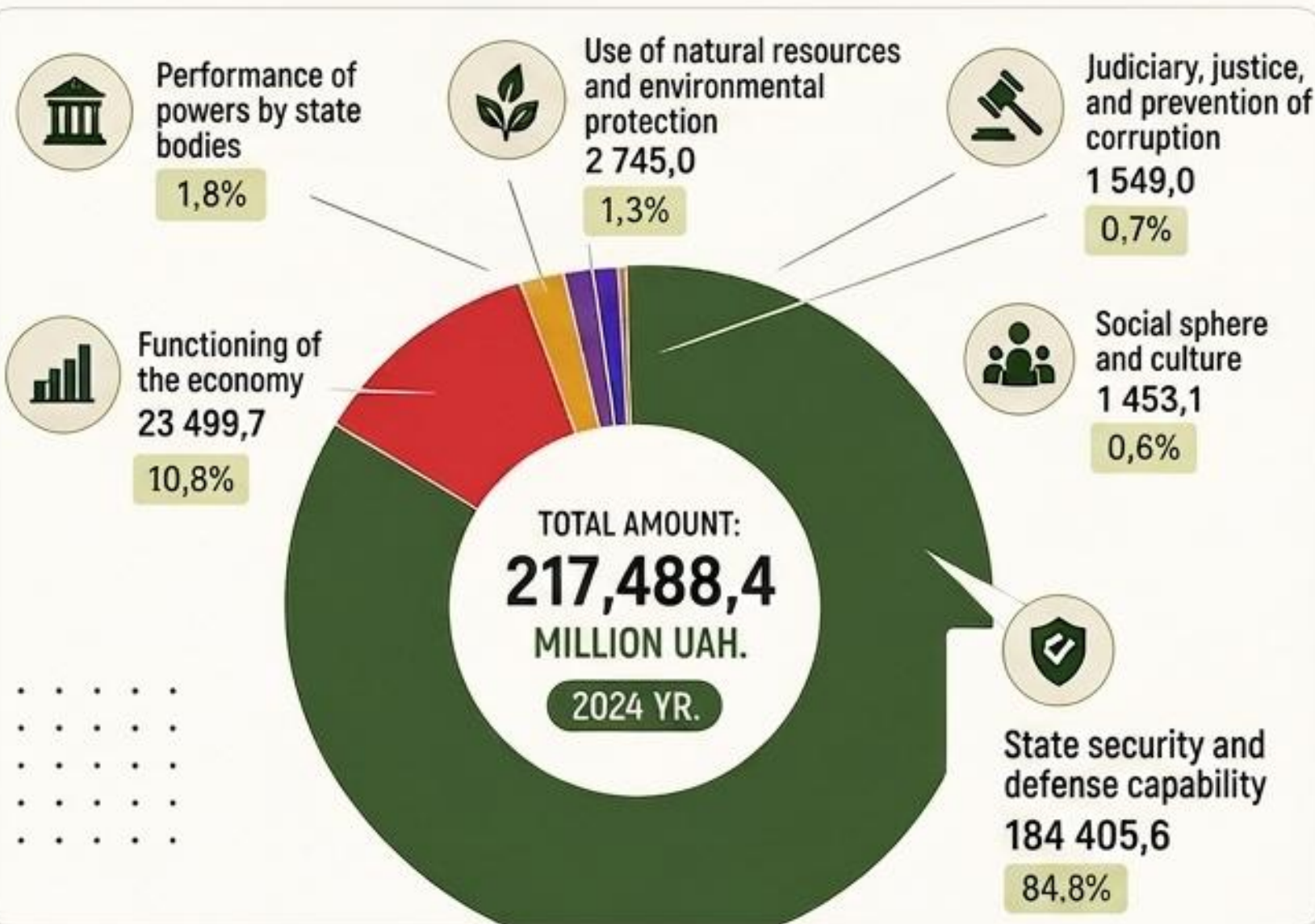


prevention of violations through risk management

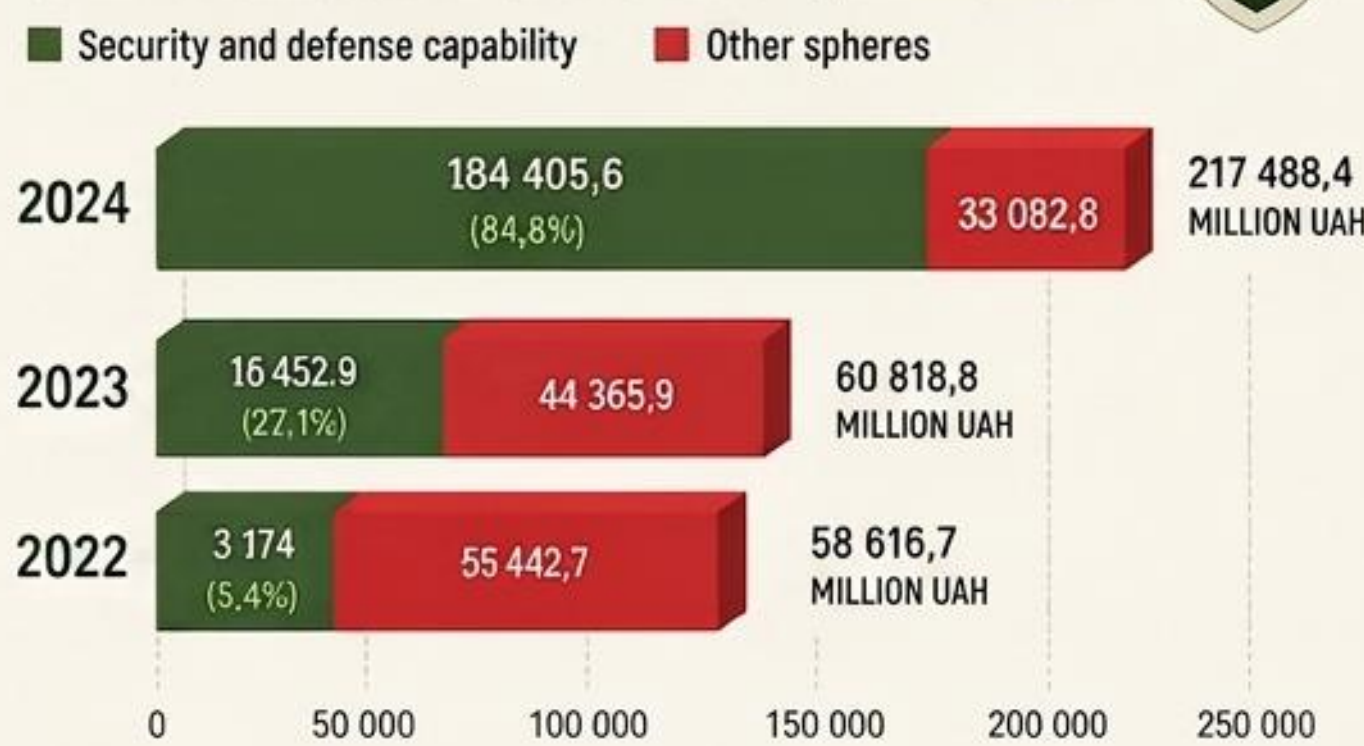


# STRUCTURE OF VIOLATIONS IDENTIFIED BY THE ACCOUNTING CHAMBER, MILLION UAH

## 2024 YR.



### SPECIFIC WEIGHT OF VIOLATIONS IN THE FIELD OF SECURITY AND DEFENSE CAPABILITY IN THE GENERAL STRUCTURE OF VIOLATIONS, MILLION UAH



# SOLUTION

## UNIFIED INTEGRATED DEFENSE PROCUREMENT CONTROL SYSTEM



Application filed for registration of an object of intellectual property rights (OIPR)- Computer program "Software module of the integrated information and analytical system for monitoring defense procurement 'DP-IAS Module'"

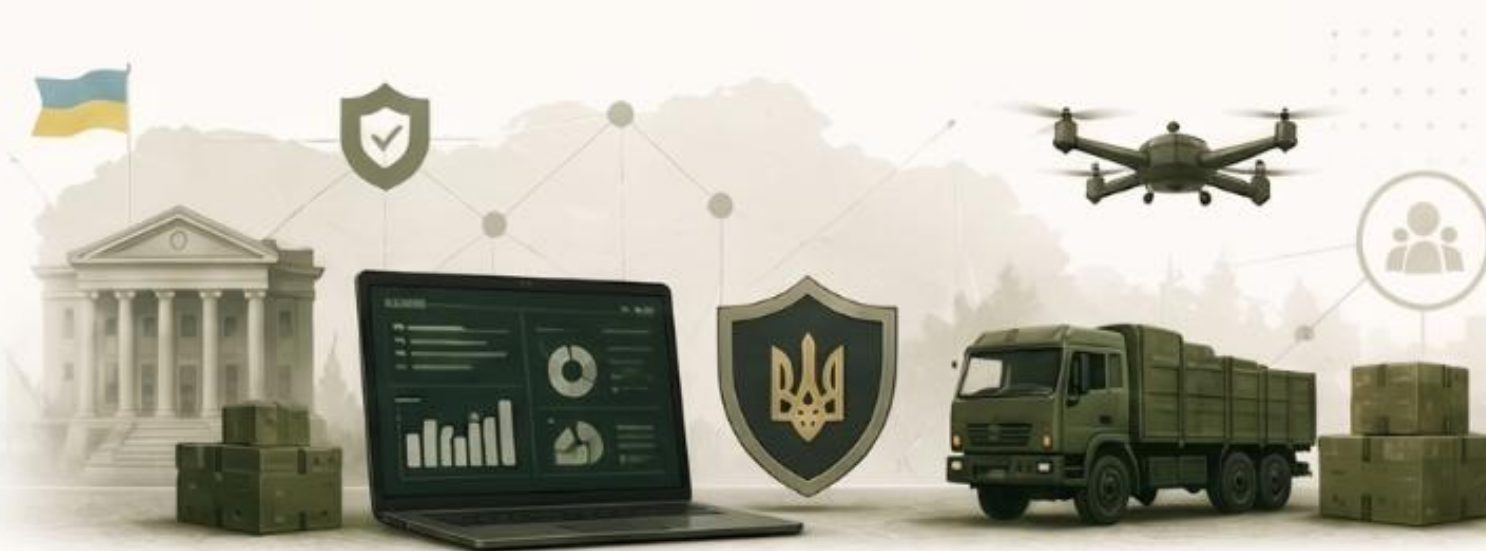
### HOW THE SYSTEM WORKS



### BENEFITS (EFFECT)



# TARGET AUDIENCE



1

**THE STATE**  
(incl. control bodies)



- ✓ Effective preventive control, reducing budget losses, access to complete and agreed-upon information in real-time.



2

**SOCIETY**



- ✓ Protection of public interests, increasing transparency and trust, prevention of abuses in the field of defense procurement.



3

**BUSINESS**  
(manufacturers, suppliers)



- ✓ Equal participation conditions, elimination of unfair competition and intermediaries, transparent access to tenders, and protection of conscientious participants.



# HYPOTHESIS



Violations in defense procurements are a consequence of information fragmentation and belated control; in contrast, an integrated AI-platform is capable of preventing them before they occur.



## OUR SOLUTION – AI-PLATFORM FOR DEFENSE PROCUREMENT CONTROL

### DATA INTEGRATION



Data from Prozorro, state registers, and control systems via ETL-processes

### PROCESSING AND MODELING



Forming a multidimensional risk matrix and scenario-based risk modeling

### REAL-TIME AI-ANALYSIS



Machine learning and anomaly detection to find anomalies and violation patterns

### RISK SIGNALING



Generation of 'red flags' and prioritization of risky cases

### TRANSPARENCY AND AUDIT



Mutable digital audit trail and complete history of decisions and events

### ACTIONS AND LIMITATIONS



Operational response, restriction of access for unscrupulous entities

## INNOVATIVE ADVANTAGES



Early detection of risks before violation occurs



Comprehensive AI-analysis of large datasets in real-time



Proactive approach – shift from control to prevention



Unified ecosystem for all procurement process participants



Resource savings and increased defense efficiency



# TEAM



Combined expertise, technology, and market understanding to change the defense procurement system



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ZDYRKO**

Doctor of Economics, Professor,  
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Chief Executive Officer,  
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**Artur  
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Postgraduate Student

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**Glib  
ANDRUSHCHENKO**

Bachelor

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responsible for  
technology



**Volodymyr  
PAVLIK**

Master

Product Lead,  
responsible for  
product



**ON GUARD OF ORDER TO INCREASE  
UKRAINE'S DEFENSE CAPABILITY**

★ ★ ★  
TRANSPARENCY • CONTROL • TECHNOLOGY • VICTORY



**MISSION**

to protect resources  
for the country's defense



**VALUES**

honesty, responsibility,  
professionalism



**FOCUS**

result here  
and now



# THANK YOU FOR YOUR ATTENTION!



TRANSPARENCY



CONTROL



TECHNOLOGIES



VICTORY

