MILITARY REPRESENTATION OF AFU TO NSATU/SAG-U

UKR J4 LNO to NSATU/SAG-U
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AGENDA

- WHY WE ARE HEAR
- UKRAINE'S DEMAND SIGNAL
- MAIN AREAS OF COOPERATION
- LESSONS LEARNED

WHY WE ARE HEAR

The Military Representation of the Armed Forces of Ukraine to NSATU/SAG-U is designed to provide stable and reliable mutual information to the military leadership of the Armed Forces of Ukraine and the military leadership of NSATU/SAG-U in the planning and implementation of logistics and training activities.

MAIN TASK

Coordination of sharing of the information related to logistics support and combat experience in these areas of responsibility

- Armour and artillery
- Automobile and special vehicles
- UAS
- Air Force
- Ammunition
- Communication means
- EW
- Navy
- Logistics and medical service
- Small arms weapon
- Air Defence

UKRAINE'S DEMAND SIGNAL









- **Ammunition**
- Multiple Launch Rocket Systems
- Artillery systems, Mortars, **counter-battery radars**
- **Tanks, Infantry Fighting Vehicles, Armoured personnel carriers**
- **Air-defense systems**, MANPADS
- Specialized armoured vehicles, Pick-up cars, Trucks (3-9 tons)
- Mine trawls (knife), Mine-clearing line charge
- Electronic Warfare means
- Fuel Trucks, Field kitchens, Food (water) trailers, Field Laundries
- Ambulance vehicles, ambulance armoured vehicles
- Drones, combat robotic (air, land, sea) unmanned modules

MAIN AREAS OF COOPERATION

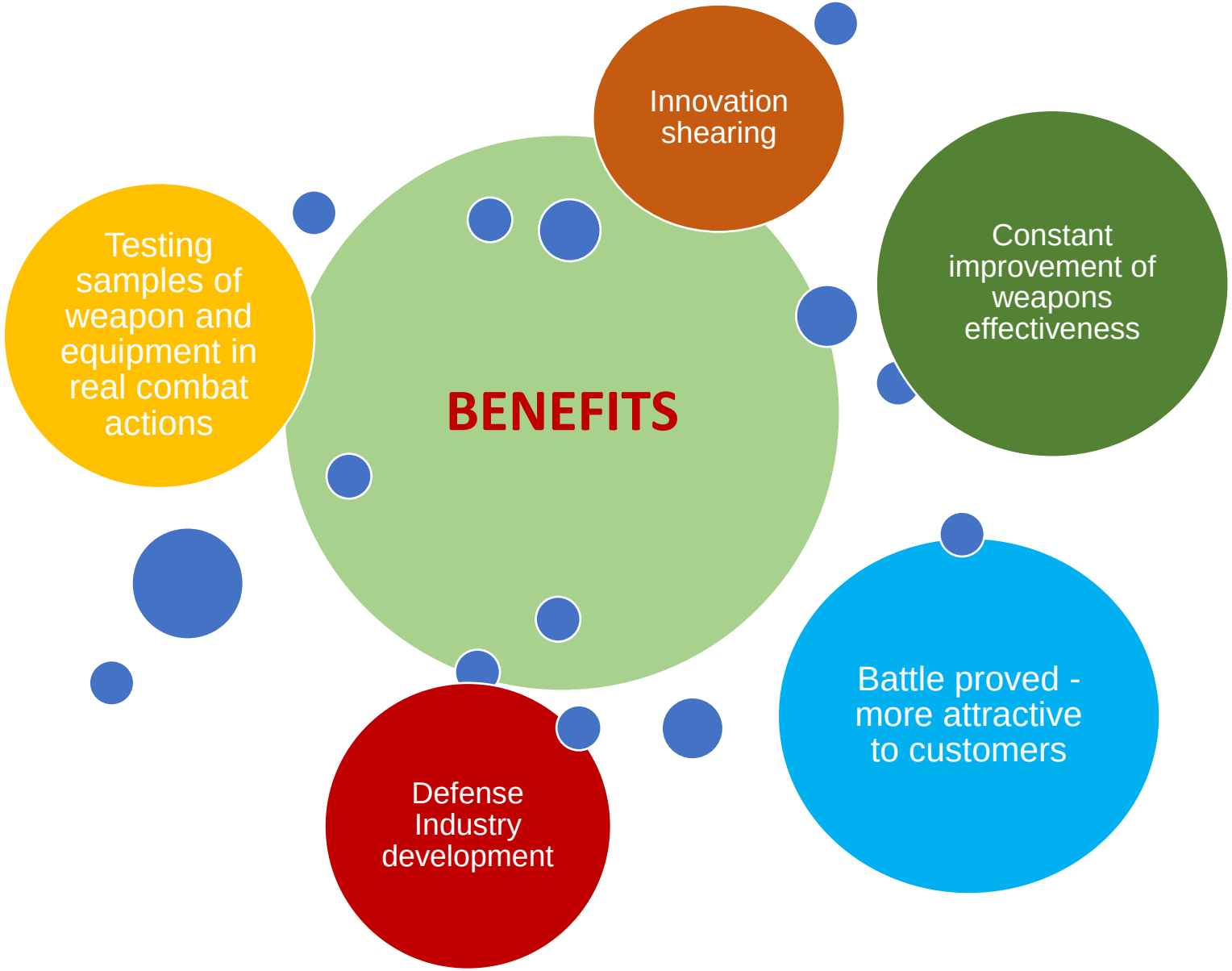
NATO UNCLASSIFIED / REALISABLE TO PUBLIC

MAIN AREAS OF COOPERATION

EXAMPLES:

- Ground radio jamming stations
- Counter UAS Electronic warfare equipment
- Tactical reconnaissance and direction finding systems
- Electronic support means (individual UAV detection tools)
- Laser electronic warfare systems
- Electronic protection devices
- Satellite communications monitoring and jamming systems

MAIN AREAS OF COOPERATION

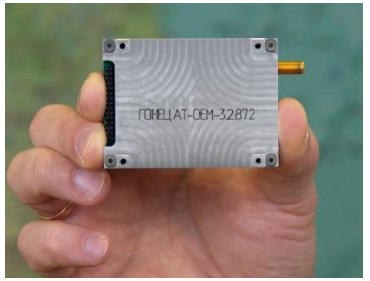


EW LESSONS LEARND

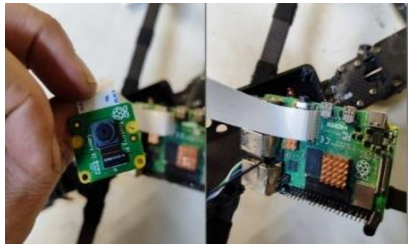
THREATS OF USING ENEMY UNMANNED PLATFORMS

- **INTRODUCING NEW WAYS OF DRONE CONTROL AND GUIDANCE**

Control via fiber optic lines



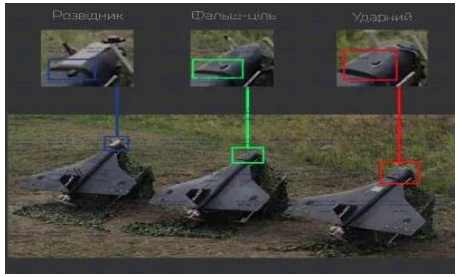
Modem for data transmission from satellite to UAVs



FPV-drone with guidance and self-acquisition system

- **CHANGE IN TACTICS AND METHODS OF UAV DEPLOYMENT**

Combination of guided munition and UAV



Multifunctional fixed-wing UAVs

“Kub-SM” system for Swarm deployment

- **INCREASED USE OF GROUND AND AERIAL ROBOTIC PLATFORMS**

Ground robotic platforms

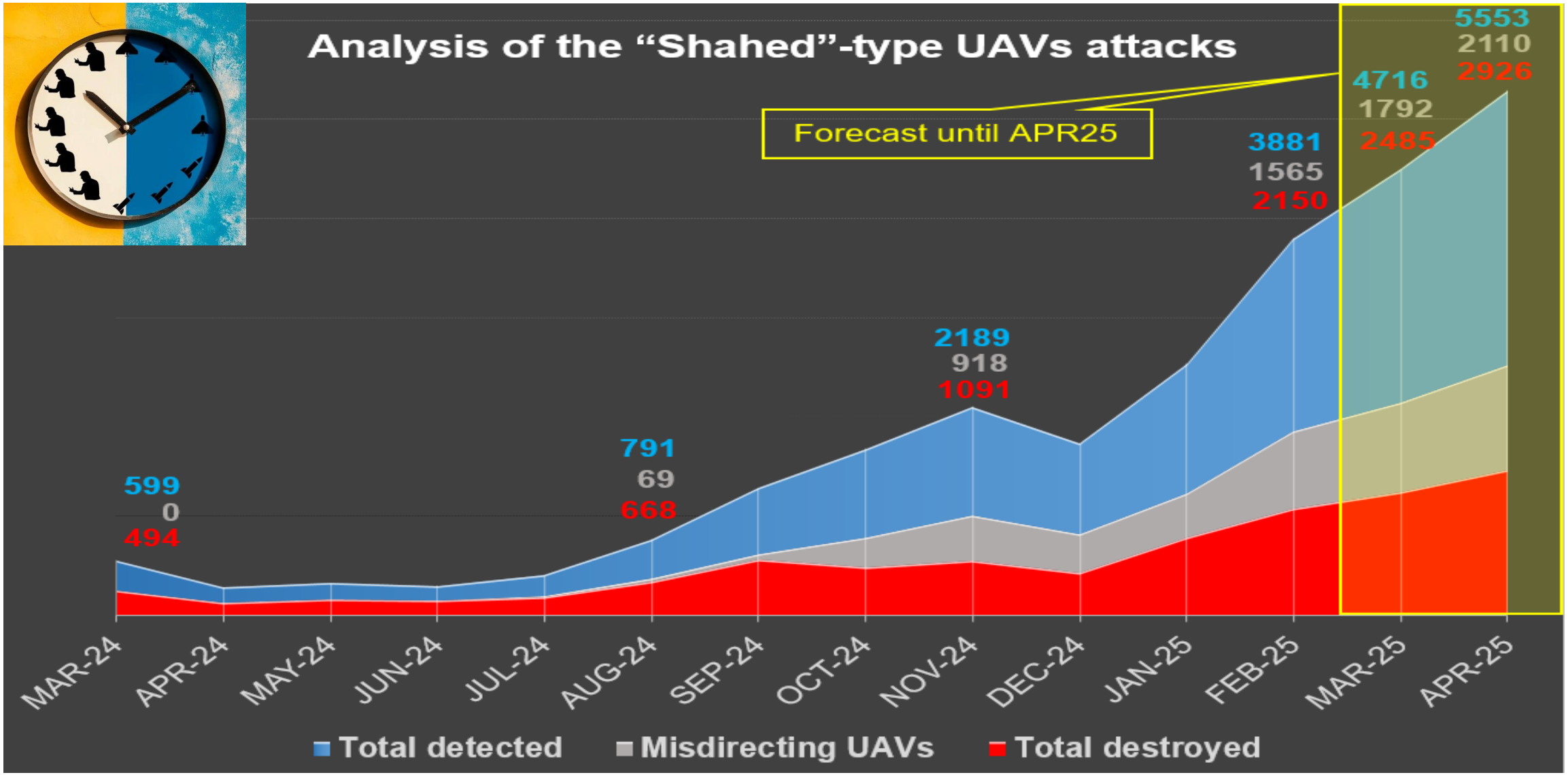
UAV carrier

UAS LESSONS LEARND

PROSPECTS AND CHALLENGES OF DEEP STRIKE UAV DEVELOPMENT FOR 2025

1. • **A number of quality and technical improvements are not consistent with the current cost**
2. • **It takes a long time for launches**
3. • **Necessary feedback - *the main challenge for 2024-2025***
4. • **The need to create winter versions**
5. • **Creation of UAV decoys**
6. • **The need to create a Middle Strike UAV**

LESSONS LEARND



UAS LESSONS LEARND

1. A key element of capability is locator
2. Instead of anti-aircraft guided missiles - UAV
3. Kinetic methods are more reliable than non-kinetic ones
4. Two models for building a circuit for detecting and defeating a combination into a single reconnaissance-fire circuit
5. Normalization of knowledge between ASW and PSU
6. The challenge for interceptor manufacturers is enemy strike UAVs

Q/A