



More than 3 years have passed Ukraine

Resistance
Pain
Invincibility
Unity
Courage
Struggle
Bravery
Solidarity
Fearlessness
Heroism
Patriotism
Freedom-loving
Resilience
Support
Dignity

FEATURES OF RESPONDING TO
EMERGENCY SITUATIONS
IN THE CONDITIONS OF WAR.
BASIS OF ENSURING SECURITY
OF CRITICAL INFRASTRUCTURE
AND CIVIL PROTECTION OF THE
POPULATION



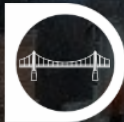
LIFE SUPPORT FACILITIES

9 689



INFRASTRUCTURE FACILITIES

1 726



EDUCATIONAL FACILITIES

4 113



HEALTH CARE FACILITIES

1 777



ADMINISTRATIVE BUILDINGS

1 116



RESIDENTIAL HOUSES

198 560



OTHER FACILITIES

15 278



NUCLEAR PLANTS SEIZED

1



≈ 232, 259

A background image showing several firefighters in dark uniforms with yellow reflective stripes and helmets, working amidst a large pile of rubble and debris. They appear to be using tools to clear the area. The scene is dimly lit, suggesting a somber or emergency atmosphere.

DURING 2024

66 400 shelling

FIXED

3 470 settlements

SHOCKED

AVERAGE OVER **180** SHOOTINGS PER DAY



43 610

LOSSES AMONG CIVILIANS

12 910

DIED

30 700

WOUNDED

Children

682

DIED

1 950

INJURED

5 893

PEOPLE RESCUED

24 723

FIRES EXTINGUISHED



Conducting engineering works

2 559

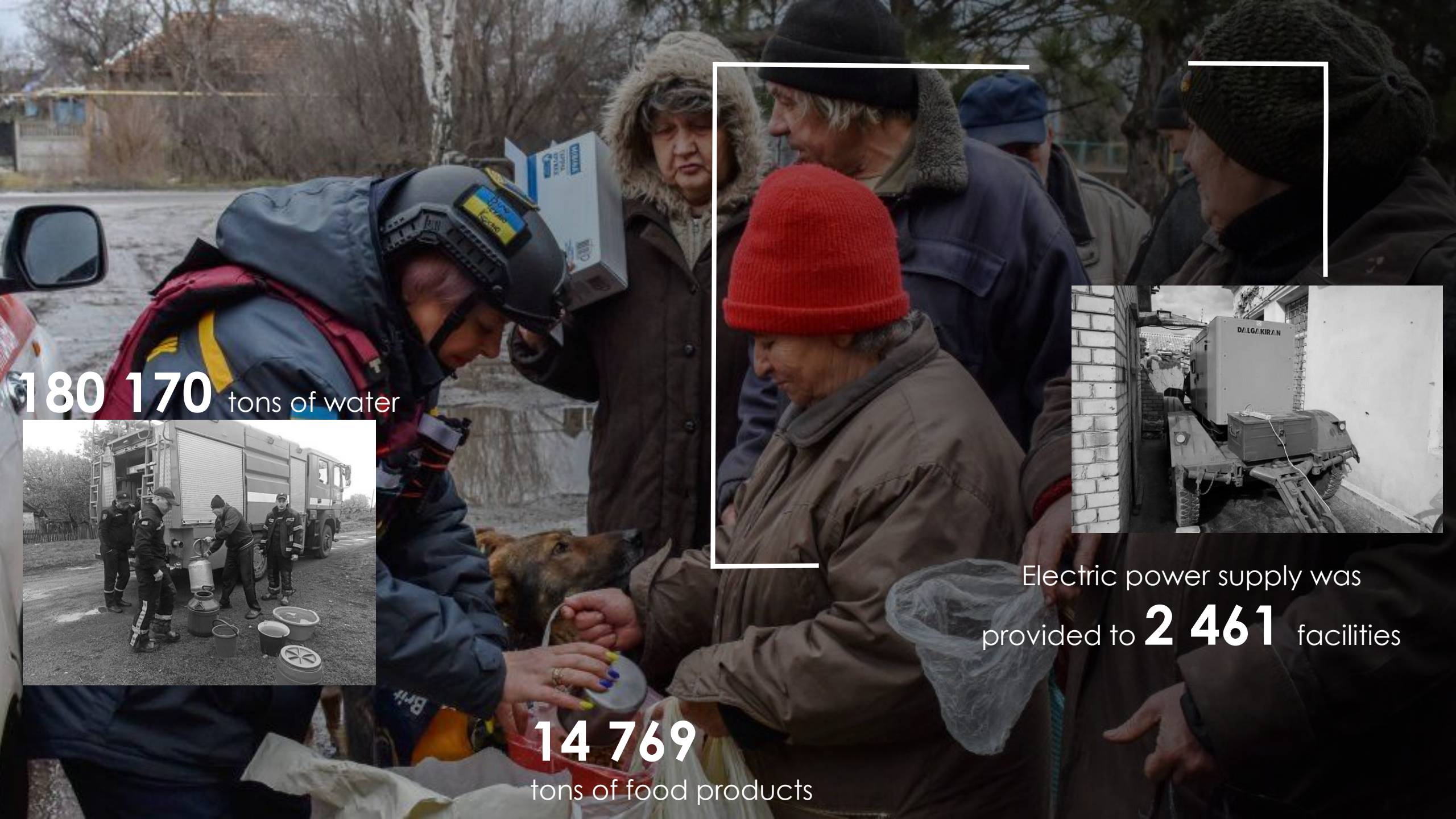
BUILDINGS AND STRUCTURES
DISASSEMBLED

1 549

RESCUED FROM UNDER DEBRIS

2 695

BODIES RECOVERED



180 170 tons of water



14 769
tons of food products

Electric power supply was
provided to **2 461** facilities





3 100

FACILITIES DAMAGED

70

ENERGY GENERATING FACILITIES

DURING OF 2022-2024

7 683

INVINCIBILITY POINTS

803

MAINTAINED BY SESU

2 300

ELECTRIC GENERATORS

1 000

VEHICLES WITH LOUDSPEAKERS

ПУНКТ
НЕЗЛАМНОСТІ

ТУТ Є



ІНТЕРНЕТ СІМТРА ТЕЛЕВІДІО ВОДА

Shelling of the city of Kyiv

A photograph of a destroyed building in Kyiv. In the foreground, a JCB excavator is visible, and a person stands nearby. The building is heavily damaged, with debris and flowers placed at its base. The background shows a multi-story apartment building.

LOCATIONS HITS

13

DAMAGED BUILDINGS

54

RESCUED

17

INJURED

87

KILLED

13

KILLED
101

WOUNDED
456

HELD CAPTIVE
4

MISSING
1

VEHICLES
DESTROYED
1 504

DESTROYED
BUILDINGS

424

LOSSES AMONG RESCUERS





FORCES AND MEANS OF RESPONSE OF THE STATE EMERGENCY SERVICE

EMERGENCY RESPONSE AND FIREFIGHTING

26 special emergency rescue teams, **797** fire and rescue units, in the operational subordination
1238 municipal, local and voluntary fire units

UNITS OF CBRN RESPONSE

30 Units of the CBRN defense, **688** persons, **172** units of special vehicles

DEMINING UNITS

339 demining units, **2 418** personnel, **89** mechanized demining machines

PSYCHOLOGICAL SERVICE

125 psychologists

MOBILE SES HOSPITAL

120 beds, deployment time: **three days**,
hospital staff: **156** people

SES AVIATION

1 621 flights **2 130** wounded were transported

MOUNTAIN UNITS

265 personnel of mountain units, **79** units of equipment

UNDERWATER DEMINING

60 departments of underwater demining and other special works, staffed by
520 people

CANINE DIVISIONS

92 personnel of canine units, **63** service dogs

HYDROMETEOROLOGICAL SERVICE

25 subordinate hydrometeorological organizations, **4 291** employees

DURING THE ELIMINATION OF THE CONSEQUENCES OF EMERGENCY SITUATIONS OF A MILITARY WARFARE:

MAIN THREATS

Threat of repeated shelling



Congestion of personnel and equipment at the scene



Lack of communication and failure of public awareness systems



Collapse of building structures and work at heights



Simultaneous work at several locations and large work areas



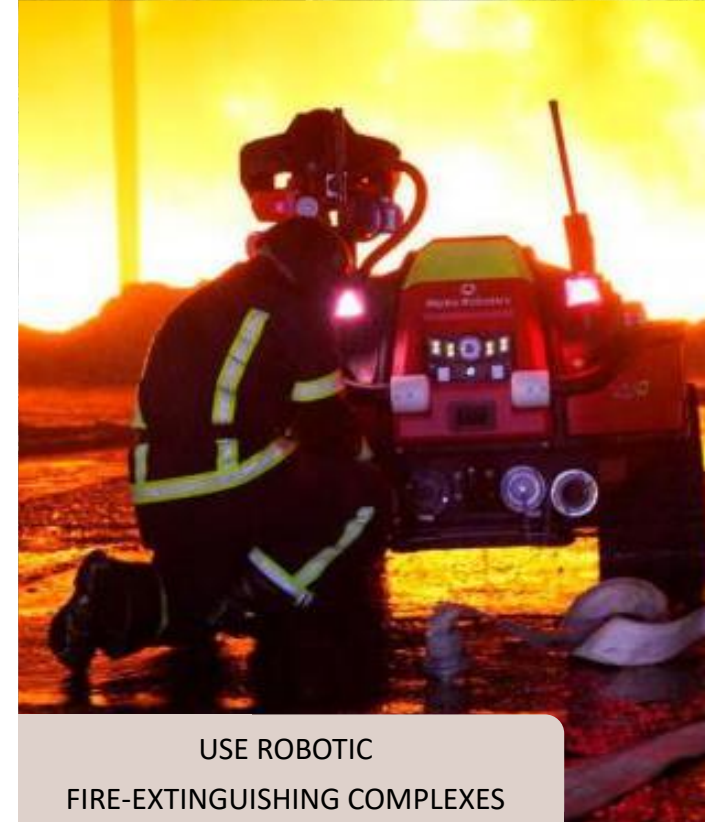
FEATURES OF ACTIONS

- ❖ Continuous monitoring of airspace using automated subsystems for displaying information about the air situation to determine the likely number and time of arrival of air attack vehicles.
- ❖ Organization of interaction with military command bodies, law enforcement agencies, local authorities on issues of the operational situation and prompt receipt of information about the threat of repeated shelling for the timely withdrawal of personnel to shelters.
- ❖ Strict adherence to the algorithm for directing forces and resources to eliminate the consequences of enemy shelling.
- ❖ Sending forces and equipment to the call point after the cessation of shelling in the specified area and coordination with authorized representatives of military formations.
- ❖ Determining safe routes for SES units to the place of call and a backup route in case of unforeseen changes in the operational situation.
- ❖ The personnel of the units must necessarily use body armor (armored helmets, bulletproof vests) and be provided with individual first-aid kits and tourniquets.
- ❖ Appointment of an observer to monitor the situation and warn of danger.
- ❖ Determining safe locations for equipment placement.
- ❖ Determining evacuation routes and the place to assemble forces and resources in case of a threat of repeated shelling or a sudden deterioration of the situation.
- ❖ Determining possible places for personnel to take cover in the event of repeated shelling of the work area.
- ❖ Conducting radiation and chemical reconnaissance after a missile strike.
- ❖ Deployment of psychological support and heating stations using tents or vehicles.
- ❖ Use of own electronic warfare and electronic reconnaissance equipment to ensure the safety of personnel and the protection of equipment when performing assigned tasks

WORKING IN ARMORED VESTS
AND PROTECTIVE EQUIPMENT



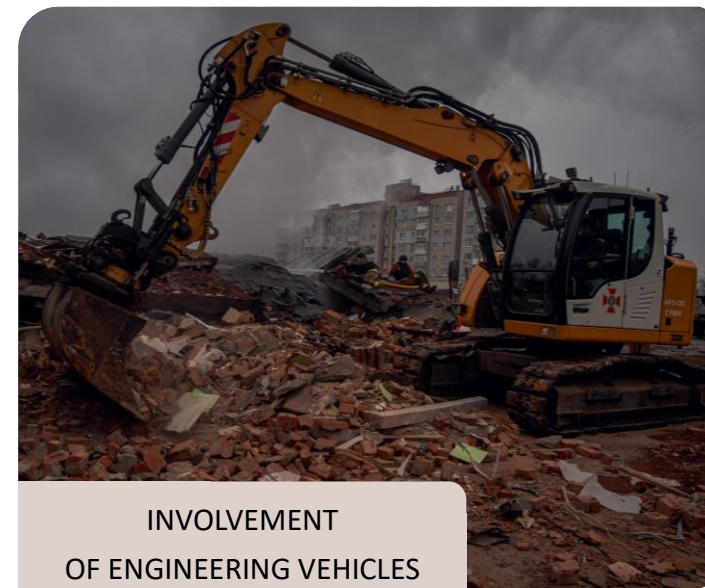
USE OF UAVs



USE ROBOTIC
FIRE-EXTINGUISHING COMPLEXES



INVOLVEMENT OF K9 UNITS



INVOLVEMENT
OF ENGINEERING VEHICLES

Fortification of critical infrastructure facilities

Protective measures

Concrete shelters, barriers, anti-drone nets

Engineering equipment

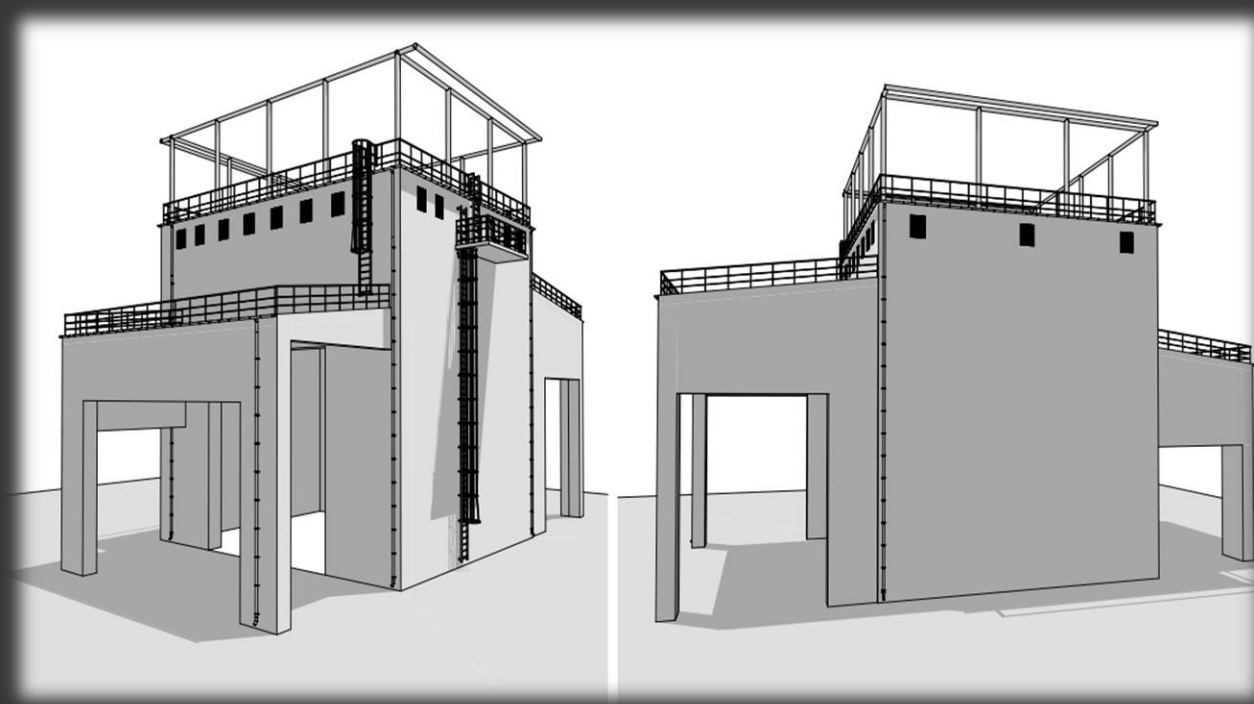
Strengthening areas for facility security

***"COUNTRY-FORTRESS" CONCEPTS FOR THE PROTECTION
OF CRITICAL INFRASTRUCTURE FACILITIES***





FIRST LEVEL OF PROTECTION



SECOND LEVEL OF PROTECTION





THIRD LEVEL OF PROTECTION

Fire extinguishing systems at critical infrastructure facilities

Automatic systems

Rapid response to fires

Backup power

Supporting security
in case of power outage

Fire equipment

Fire extinguishers, cranes,
water tanks



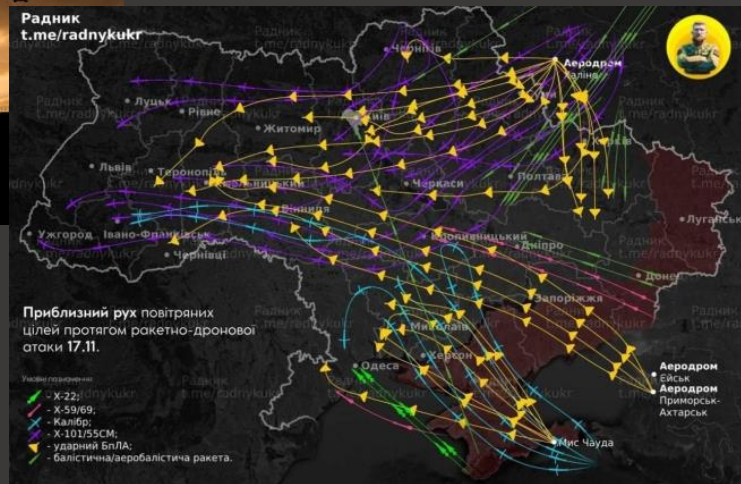
Air cover for critical infrastructure facilities

The role of air defense

Protection of critical infrastructure from air threats

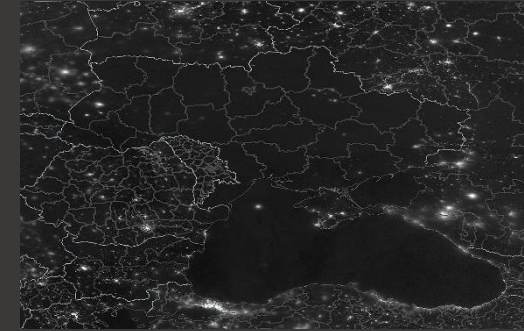
Information support of the State

Emergency Service



Zoning priority

Identifying key areas for protection



Hydrometeorological support

forecasting extreme weather conditions, such as strong winds, floods, frosts, which may affect the operation of facilities

Response plans and their implementation



Response plans

Approved documents for emergency actions

State Emergency Service training

Regular training with rescue units and specialized civil protection services

Error analysis

Video recording and correction of actions



WARTIME CHALLENGES

TRAINING OF AUTHORITIES AND EDUCATION OF THE POPULATION

THREATS

- Insufficient preparedness of the population for actions in emergency situations;
- Lack of self-protection and assistance skills.

ACTIONS

✓ 25 centers of the State Emergency Service:



40,000 persons



34 mobile
consultation points



10,000
volunteers

✓ Safe educational environment:



2,830
"Safety" class



ALERTING AND INFORMING THE POPULATION

THREATS

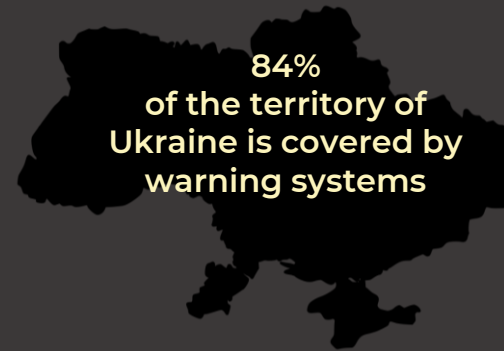
The suddenness and insidiousness of massive rocket attacks and airstrikes necessitated the rapid notification of a large number of population

ACTIONS

✓ Notification systems:



Cell Broadcast,
Chat bots,
messaging



84%
of the territory of
Ukraine is covered by
warning systems

✓ Mobile applications:

✓ Anti-mining site



"Air
alarm"

"Demining
of Ukraine"

"MineFree"



49,112 air
alarms



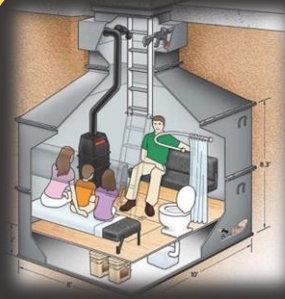
SHELTERING POPULATION IN PROTECTIVE FACILITIES

THREATS

- Insufficient number of shelters (22 thousand before the full-scale russian invasion);
- Poor maintenance of existing shelters;
- Unsettled legislative issues regarding the construction of new shelters.

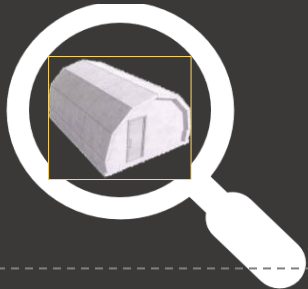
ACTIONS

Builders are obliged to build shelters



Life support conditions are provided in shelters.

More than 63 thousand shelters were inspected



Information about the shelter is provided via the "Diya" mobile portal



EVACUATION OF THE POPULATION

THREATS

About 15 million people were simultaneously and suddenly forced to leave their places of permanent residence

ACTIONS



Evacuation coordination headquarters



Population alerting and informing



Free evacuation trains and points



Temporary accommodation (2.8M evacuated)



Psychological assistance (265,000+ people)



Databases of displaced persons and housing



Legal amendments



RADIATION AND CHEMICAL PROTECTION OF THE POPULATION

THREATS

- The threat of shelling of nuclear power and chemical industry facilities.
- The danger of radiation and chemical damage to a large number of people and territories

ACTIONS



CRN-
trainings



The amount of
hazardous chemicals
at critical facilities
has been reduced



Control around
the NPP



460 points



Action algorithms
for threats
developed



SUSTAINABLE (SECURE) RADIO COMMUNICATION FOR EMERGENCY RESPONSE SERVICES

THREATS

- Radio-electronic warfare disrupts communication, intercepts data, and impairs emergency response

ACTIONS



Unified secure radio system for emergency services has been established.

➤ Regional networks are integrated into a single system for reliable crisis management



CYBER SECURITY

THREATS

- Numerous cyberattacks on central executive bodies and state institutions caused temporary disruptions in work and loss of large volumes of information

ACTIONS

- SIEM systems (Arcsight) – monitoring and protection of information resources in real time.
- Mobile data centers (container) – quick transfer to safe zones
- Cooperation with international, national and industry centers of cyber security



PREPARING COMMAND AND CONTROL BODIES AND CIVIL PROTECTION FORCES TO ACT IN CASE OF A POWER OUTAGE

THREATS

Simultaneous and numerous large-scale emergencies caused by the massive missile and drone attacks, increased risk of blackouts in the state, massive damage to critical infrastructure in different parts of the state

ACTIONS

In 2024, a project was introduced to conduct special tactical exercises with management bodies, involving **19 regions**, more than **38,000 people** and **8 thousand units of equipment**





**Thank you for
your attention!**