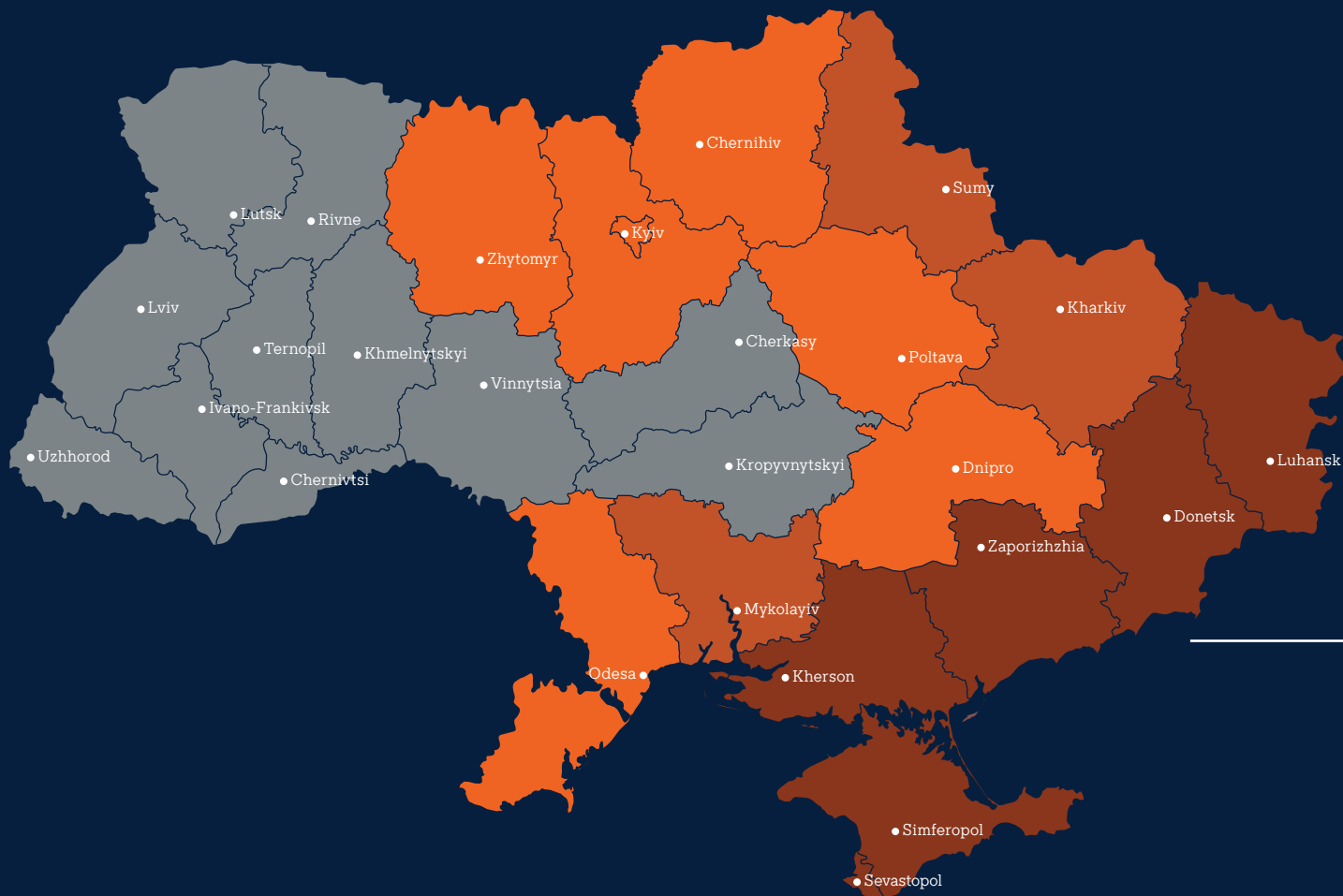


**REVIVAL  
OF THE WATER  
AND SEWAGE INDUSTRY  
OF UKRAINE**



**2024**

# REVIVAL OF THE WATER AND SEWAGE INDUSTRY OF UKRAINE





**DAMAGE  
FROM THE WAR  
IN THE WATER SUPPLY  
AND WASTEWATER  
SECTOR**

**\$7.1  
BILLION**

Recovery needs

**\$11  
BILLION**

**WATER SUPPLY  
AND SEWAGE NETWORKS**

**1108,8** km damaged

**277,9** restored

**WATER AND SEWAGE  
MANAGEMENT**

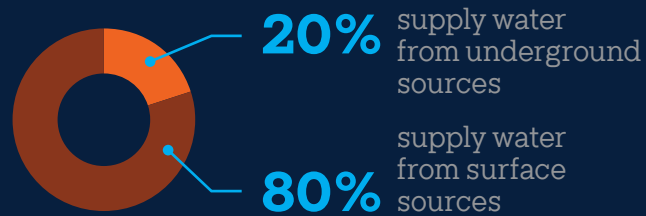
**583** objects were  
damaged

**223** restored

# THE STATE OF THE INDUSTRY DURING THE WAR:

CENTRALIZED WATER SUPPLY  
AND WASTE WATER DISPOSAL  
SERVICES ARE PROVIDED BY

**2360** companies



**2000**

WATER INTAKE FACILITIES  
AND DRINKING WATER  
TREATMENT STATIONS

**9000**

WATER SUPPLY  
PUMPING  
STATIONS

**1000**

WASTE WATER  
TREATMENT  
STATIONS

**115000**

KM OF WATER  
SUPPLY NETWORKS

**3000**

WASTE WATER  
DISPOSAL PUMPING  
STATIONS

**40000**

KM OF WASTE WATER  
DISPOSAL NETWORKS

# THE FOLLOWING OBJECTS ARE CURRENTLY IN CRITICAL CONDITION:

**38,3%**

of water supply networks

**35%**

of waste water disposal networks

**25,6%**

of pumping equipment

**35%**

of waste treatment facilities

**52%**

of centralized waste water disposal objects do not comply with the national sanitary legislation

**44%**

of non-centralized waste water disposal objects not comply with the national sanitary legislation

## ARE DAMAGED:

**583**

water and sewage facilities

**223** were restored

**1108,5**

km of water and sewage networks

**277,9** were restored

## THERE IS NO ACCESS:

to the centralized water supply systems for

**36%**

of consumers

to the sewerage system for

**52%**

of consumers

# THE BIGGEST CHALLENGES ARE:

## Undermining the dam of the Kakhovka Hydroelectric Power Station



The Kakhovka water reservoir is a source of water supply for over 1 million people, these are Kryvyi Rih, Marhanets, Nikopol and populated localities of Dnipropetrovsk region. More than 80 towns and villages are flooded.

# Kherson



A part of Kherson is flooded, two main water supply intakes are destroyed and 6 sewage pumping stations are flooded.



# Mykolaiv



As a result of terrorist actions by Russian aggressors, a 1,400-millimeter diameter water pipeline supplying water to Mykolaiv from Kherson region, which was occupied until November 11, 2022, was damaged on April 12, 2022. The residents were totally left without centralized water supply for 30 days.

On May 6, 2022 the water supply was restored to the city. For the first time in Ukraine and in the world, salt water was supplied to the city water supply system. It affects the equipment and is not suitable for consumption.

The worst water analysis indicators affecting the condition of the equipment and networks are sulphates, chlorides, and oxidation. Poor quality water led to the accelerated deterioration of steel and reinforced concrete pipes. As a result, the share of worn-out and emergency water supply networks currently stands at 57% and of the equipment at 43%. The total amount of the population, which is provided with centralized water supply services in Mykolaiv, is almost 395,000 people. In total, there are more than 200 drinking water distribution points in the city. In particular, the City Public Utility Company «Mykolaivvodokanal» set up three stationary drinking water distribution points for the population on its territory.

The water supplied to the above-mentioned points is delivered from artesian wells of drinking quality, so it does not require additional treatment. Water is distributed to the residents free of charge, at the expense of the city budget. It costs the city approximately \$2 million a year.



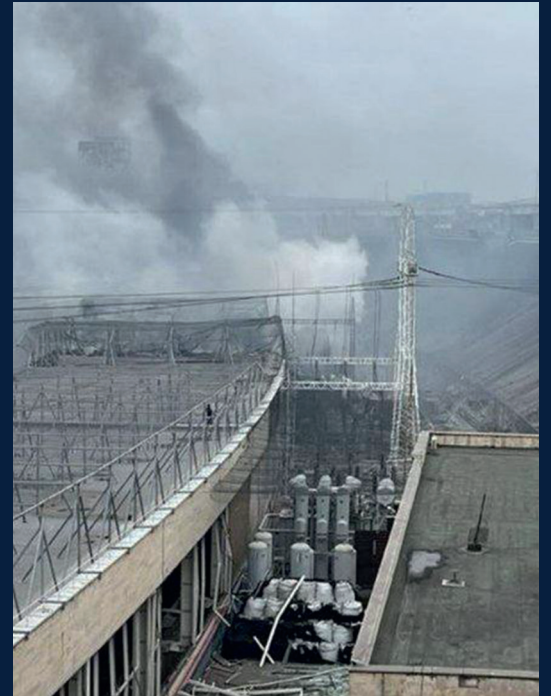
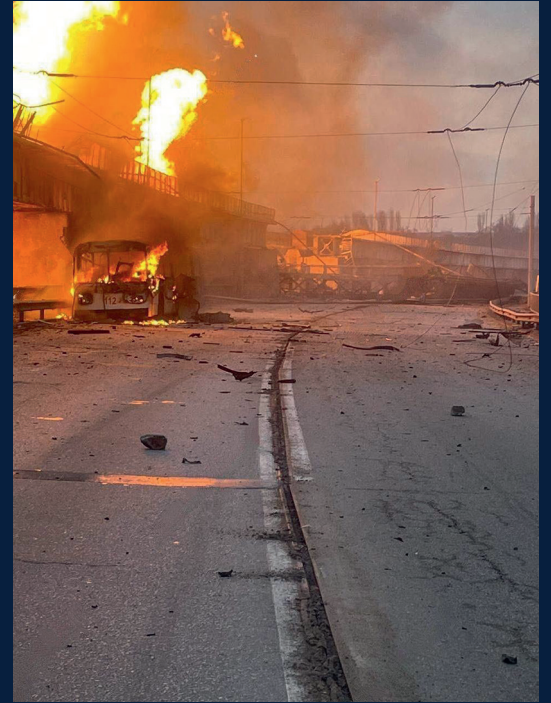




## Zaporizhzhia

The water quality of the main water source in Ukraine, the Dnipro River, which is located in the combat operational zone, deteriorated by more than 5 times according to various indicators. The existing water treatment technology of the Dnipro water supply stations of Public Utility «Vodokanal» in Zaporizhzhia is not designed for such a quality of the Dnipro River. Therefore, given the deterioration in the quality of the source, it is possible to ensure the supply of drinking water of guaranteed quality only if the water supply stations are reconstructed.

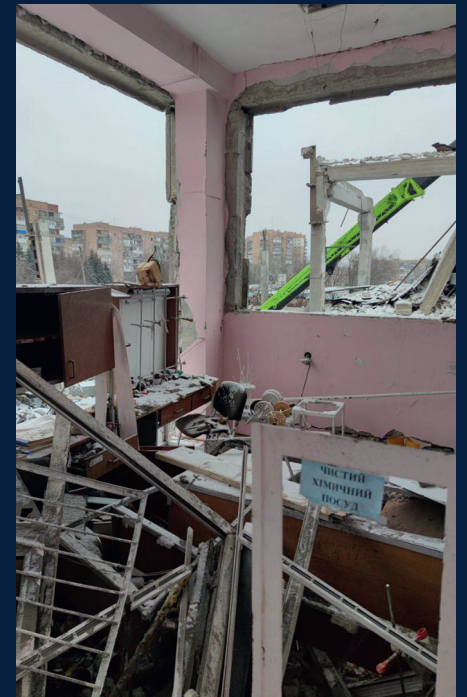




# Kramatorsk



On February 20, 2024, the filtering station was hit by an X-101 missile. As a result of the missile attack, the reagent building was completely destroyed and cannot be restored, the administrative building, laboratory and filter hall were partially destroyed. Materials, equipment and installed equipment for the production of sodium hypochlorite were completely destroyed. Four employees of the filtration plant who were on shift that day were injured in the shelling, and one person is reported missing. Due to the complete destruction of the reagent building, the process water supplied to the filtration plant could not be treated. The filtration plant supplied the city with process water around the clock.



# NEED

Generators

Water delivery

Reagents

Pumps

Control devices

Tool

Diesel pumps

Pipes

Shut-off fittings

Special equipment

Construction materials

Water purification equipment

Project works

Contractual works

Laboratory equipment

Equipment

Uniform

Special machinery





# ASSOCIATION «UKRVODOKANALEKOLOGIJA»

- HAS EXISTED FOR MORE THAN 30 YEARS
- HAS MORE THAN 200 MEMBERS
- UNITES MORE THAN 160 WATER SERVICE COMPANIES OF UKRAINE, BUSINESS REPRESENTATIVES AND SCIENTISTS

## Main goal

- Ensuring the implementation of the Strategy for the Development of Drinking Water Supply and Centralized Waste Water Treatment Systems
- Integration into the European community.

## Main task

- Cooperation with all the branches of government
- Development of the legal and regulatory framework
- Representation of the water industry in the global community
- Coordination of all processes between water service companies, including humanitarian aid
- Informing the media and social media about the industry's activities
- Training and skills upgrading of employees.

## Cooperates with



**OXFAM**



watermission



**ICRC**



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra



**acted**



**solidarités**  
international

## Active cooperation



Bayerisches Landesamt für Umwelt



Izba Gospodarcza  
**WODOCIĄGI POLSKIE**

## **Association of water utilities of Ukraine «Ukrvodokanalekologia» —**

association of production companies in the water supply and sewage industry, founded in 1991.

It brings together the largest water supply companies in Ukraine, business structures and scientists working in the field of water supply and sewage disposal.

## **Contact:**

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