

Save the Workers

20
24

Project Impact and Analysis Report

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Strategy & implementation

Over 4000 workers have
gained critically vital
lifesaving skills

«Save The Workers» was initiated by Mission Kharkiv to protect critical infrastructure workers across Ukraine.

The initiative was implemented in the Kharkiv region from September 2023 to mid-February 2024. Mission Kharkiv used these five and a half months to distribute first aid kits and conduct training sessions for critical infrastructure workers.

Save The Workers initiative was focused on three strategically vital facilities of critical infrastructure in the Kharkiv region.

These facilities were selected due to their critical role in maintaining the stability in operation of social infrastructure and the increased risk of missile strikes.

Project Scope:

- Zmiivska Thermal Power Station
- Kharkiv Combined Heat and Power Plant №5
- Kharkiv Combined Heat and Power Plant №3



9000 workers became indirect beneficiaries

The direct beneficiaries are:

- workers of critical infrastructure facilities in the Kharkiv region.

The project has created an environment where every worker can act as a first responder by equipping critical infrastructure workers with life-saving tools for providing pre-medical assistance.

The indirect beneficiaries are:

- critical infrastructure workers who didn't participate in training sessions for various reasons, such as being involved in emergency repair work, but have a colleague in their work department or mobile team who has completed our life-saving training and can provide qualified assistance in case of an emergency.

Throughout the initiative implementation, we faced several challenges, including:

- allocating workers of Kharkiv Combined Heat and Power Plant №5 for training due to their involvement in emergency repair work at the facility.
- a large number of requests from other critical infrastructure facilities, including Kharkivoblenergo, NPC Ukrenergo, JSC "Ukrainian railways" (Kharkiv-Passenger station), Public Utility "Kharkivski teplovi merezhi" (CHPP 3, CHPP 4), Public Utility "Kharkivvodokanal".

Unfortunately, at the time this narrative report was prepared, the Kharkiv Combined Heat and Power Plant №5 was entirely destroyed by a massive missile strike on March 22, 2024.





Problem Statement



Kharkiv's Combined Heat and Power Plant №5 after the mass missile attack on **March 22, 2024**.¹

The energy sector has become one of the primary targets of Russia's military aggression against Ukraine. The Ukrainian energy infrastructure has suffered significant losses.

Occupied or incapacitated energy infrastructure:

90% of wind
generation

30% of solar
generation

50% of thermal
generation

Since March, the Zaporizhzhia Nuclear Power Plant has been under occupation. The Chernobyl Nuclear Power Plant was occupied for over a month and robbed.²

Missile attacks not only destroy critical infrastructure facilities but also result in deaths and injuries among the personnel working there.

Plants and stations that are predominantly energy-related — that's the primary target.



Consequences & preventive measures

The night of March 22nd to 23rd, 2024, was another cruel reminder that the enemy continues to target our energy and gas supply systems for destruction.

Critical infrastructure facilities are being destroyed by rockets. This leads to significant damage and disruptions in the provision of vital resources.

The recent missile attack in the Kharkiv region destroyed the Kharkiv Combined Heat and Power Plant №5 and many distribution substations.

The attack directly affected workers of these facilities, including engineers, technicians, and support staff. The consequences were fatal: a significant number of workers lost their lives due to explosive injuries caused by a missile strike.

Missile attacks claim lives and instill a constant fear of death among those who have survived.

In the second year of the full-scale invasion and constant rocket attacks, it's unacceptable that critical sector workers, who bravely conduct repairs daily, even in not demined areas, lack essential first aid kits and basic life-saving skills.

Given the importance of these infrastructure facilities and the frequency of attacks targeted at them, it's imperative to address this issue urgently.

By providing workers with first aid kits and training sessions, we can effectively enhance their ability to administer initial medical assistance.

This increases the chances of survival for workers injured during attacks and fosters a sense of security and readiness at critical infrastructure facilities.

The Ministry of Energy of Ukraine reports: "Ukrainian energy workers are making every effort, even risking their lives daily, to restore energy supply in homes, hospitals, schools, and enterprises..."³

The demand for such life-saving tools is much higher. The challenge thrown at the lives of critical infrastructure workers is something Ukrainians cannot ignore or stand aside from; it's a challenge to the entire nation.

Objectives



Equipping Critical Infrastructure with First Aid Kits

The implementation of specialized first aid kits designed to meet the specific needs of these facilities will play a crucial role in minimizing mortality caused by rocket attacks.



One important component of the initiative's work within critical infrastructure workers is adapting to the special work needs.

The Mission Kharkiv team has developed two types of specialized first aid kits: metal stationary boxes and fabric bags for mobile teams.

Ivan Savin, an intensive care specialist and emergency physician, developed the composition of the hemostatic kit.

During the implementation of the project's first stage, the composition of the hemostatic kit underwent numerous discussions, field tests, and approvals by project specialists in tactical medicine.

Each hemostatic kit contains tools necessary for responding to emergencies related to explosive injuries. The primary task of the rescue instrument is to stop critical bleeding.

The first aid kits installed at critical infrastructure facilities include tourniquets, hemostatic dressings, compression bandages, and thermal blankets.



Our instructors are as solid as concrete, just like Kharkiv," says Yuliia Nikishina, project manager of Save The Workers initiative.

They say, **"You're never too old to learn,"** but in modern times, Ukrainians interpret this differently.

Today, emergency physicians and tactical medicine instructors have become teachers for critical infrastructure workers, who have become their students

Training critical infrastructure workers

The focus of this humanitarian initiative was to enhance the ability of critical infrastructure workers and mobile teams to respond in the event of a missile attack effectively.

The importance of training in providing first aid cannot be overstated. This part of the initiative is crucial — having a rescue tool isn't enough. You need to know how to use it, too.

The importance of this training lies in its ability to reduce response time to injuries and promote the proper use of hemostatic instruments.

In a crisis situation where every second counts, having people at your work facility capable of quickly and effectively providing first aid can make the difference between life and death.

Training session summary:

- **Providing First Aid:** Workers undergo training in providing first aid according to the principles of CABC (Critical bleeding, Airway, Breathing, Circulation), with a particular emphasis on stopping critical bleeding – the most dangerous threat in case of explosive trauma. Typically, a comprehensive CABCs training course can last up to eight hours. However, considering the specific risks faced by infrastructure workers and the need for swift intervention, our program focuses on the most crucial aspects of this training, condensing it into a 2-hour session. This adjustment ensures that the training is both understandable for workers and meets the urgent need for effective hemostatic intervention.
 - **Using Hemostatic Kits:** A detailed instruction manual accompanies each hemostatic kit, emphasizing the correct application of each item and focusing on using hemostatic dressings and tourniquets effectively.
 - **Providing First Aid for Blast Injuries:** Training sessions cover recognizing and administering aid for various types of blast injuries, with an emphasis on controlling bleeding and preventing shock.
 - **Emergency Assessment:** Instructions on quickly assessing the severity of multiple injuries and determining priorities for aid provision in a crisis situation.
 - **Preventive and Safety Measures:** Guidelines on ensuring personal safety while providing first aid, including protection against potential bloodborne pathogens.
- The training is aimed at providing workers with practical skills:**
- assessing consciousness level;
 - applying a tourniquet and bandage both on oneself and on a colleague;
 - applying a tourniquet to upper/lower limbs;
 - applying a tourniquet while sitting/standing/lying down;
 - wound packing;
 - correctly clearing the airways of the injured person.



One of the key stages in implementing the Save The Workers initiative is forming a team of qualified instructors.

Emergency physicians and tactical medicine instructors have become part of the Mission Kharkiv team. They teach how to properly provide first aid using our medical kits.

The instructors who train critical infrastructure workers hold one or several of the following certificates:

- Extraordinary tactical medical center ETMC) «Combat Medic Training. Pre-hospital aid on the battlefield during wartime»;
- AMERICAN COLLEGE OF SURGEONS COMMITTEE ON TRAUMA «STOP THE BLEED Course»;
- National Association of Emergency Medical Technicians (NAEMT) "Tactical Combat Casualty Care – All Service Members course";
- EUROPEAN RESUSCITATION COUNCIL (ERC) "Basic Life Support (BLS).



Trainings were conducted in bomb shelters — this was crucial to ensure that both the workers and the team of instructors were in a safe place during the training sessions. Some facility locations lacked adequate lighting and even mobile and internet service.

Both the instructors and the participating workers adapted during the training process, as they were motivated by the common goal set by the Save The Workers initiative.

88% of workers, after completing the training under the "Save The Workers" project, provided **more than 70% correct answers** in the final test, according to the internal statistics of the Mission Kharkiv. This speaks to one thing — the Mission Kharkiv team has successfully developed a tool of the first aid that works, addressing the real needs of almost every critical infrastructure worker.



Results

As a result of the implementation of the Save The Workers initiative in Kharkiv region, more than **4000 workers** have undergone training.

Two Combined Heat and Power Plants, energy enterprises, and other critical infrastructure facilities have been equipped with hemostatic kits.

9000 workers became indirect beneficiaries.



MK conducted training at the following critical infrastructure facilities:

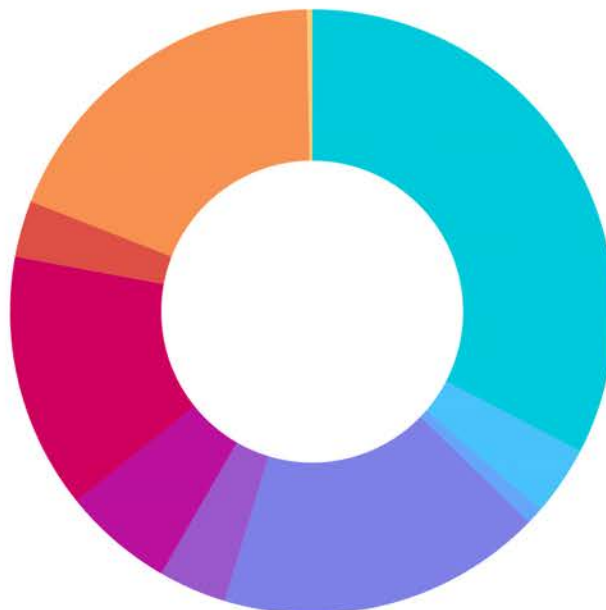
753 workers
JSC UKRAINIAN RAILWAYS
(PASSENGER COMPANY)

121 workers
NPC UKRENERGO

548 workers
PUBLIC UTILITY
"KHARKIVVODOKANAL"

237 workers
JSC "UKRAINIAN RAILWAYS"
(KHARKIV-PASSENGER
STATION)

146 workers
PUBLIC UTILITY "KHARKIVSKI
TEPLOVI MEREZHI"



11 workers
THE MISSION KHARKIV'S
TEAM AND FOUNDATION
VOLUNTEERS

1308 workers
ZMIIVSKA THERMAL POWER
STATION

150 workers
KHARKIV COMBINED HEAT
AND POWER PLANT №3

36 workers
KHARKIV COMBINED HEAT
AND POWER PLANT №4

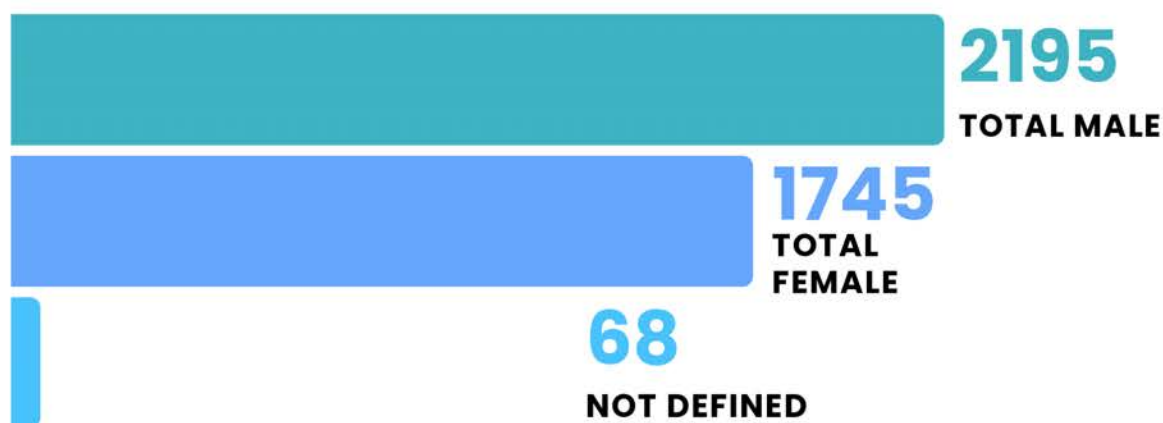
698 workers
KHARKIVOBLENERGO

Project Metrics:

MISSION KHARKIV HAS DELIVERED



The trainings were attended by:



4008
WORKERS
TRAINED

368
TRAINING
SESSIONS

3457
INDIVIDUALS WHO
SCORED OVER 70%
ON THE FINAL
TESTS

Feedback

Each question like "When should I remove the tourniquet on my own?" Or "Can I use a belt instead of a tourniquet to stop the bleeding?"

People received such comprehensive answers that by the end of the training session, they were left with questions like,

"Where can I buy a certified tourniquet? I want to carry it in my bag and have it at my workplace and even on public transportation."

Залиште будь-ласка відгук

*Відмінний курс
Дякую!!!*

Залиште будь-ласка відгук

*Дуже дякую Вам за проведення
курсу, який дуже
актуальний
і необхідний*

Я надаю згоду на обробку персональних даних

☒ Так
☐ Ні

Залиште будь-ласка відгук

Дякую. Корисна інформація

Залиште будь-ласка відгук

інформація була важливою, дякую

Залиште будь-ласка відгук

*Дякуємо за навчання,
бажаємо продовження занять*

Я надаю згоду на обробку персональних даних

☒ Так
☐ Ні

УКРАЇНА
ПУБЛІЧНЕ АКЦІОНЕРНЕ
ТОВАРИСТВО
«ЦЕНТРЕНЕРГО»
ЗМІЙВСЬКА ТЕПЛОВА
ЕЛЕКТРИЧНА СТАНЦІЯ

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04.01.2023 р. № 40/31
На № _____ від _____

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«Благодійний фонд
«МІСІЯ ХАРКІВ»
Ользі ТКАЧЕНКО
www.missionkharkiv.com

Шановна пані Ольга!

Зважаючи на важливість та значення проєкту «Save The Workers», я б хотів висловити щиро подяку Благодійній Організації «БФ «МІСІЯ ХАРКІВ» за надзвичайно важливу і вдало спрямовану діяльність.

Цей проєкт є прикладом неймовірної ініціативи та співпраці, що має безпосереднє значення для нашого підприємства та для працівників, які забезпечують критично важливі послуги населенню. Аптечні бокси, що надані вашою організацією, стали невід'ємною складовою нашої безпеки, забезпечуючи не лише матеріальну, а й психологічну підтримку нашим працівникам у виконанні їх обов'язків в умовах війни в Україні.

Ваше рішення передати аптечні бокси командам об'єктів критичної інфраструктури є безцінним кроком у забезпеченні безпеки та захисту наших співробітників під час надзвичайних ситуацій, зокрема під час ракетного обстрілу. Ви не лише надали необхідний інвентар, а й організували навчальні тренінги з надання домедичної допомоги, що є надзвичайно важливим для правильного використання цих ресурсів. Такі тренінги пройшли більшість працівників підприємства.

Також, передача аптечних боксів та набору для мобільних бригад свідчить про вашу готовність до вирішення поточних потреб, демонструючи високий рівень професіоналізму та відданості місії вашої організації.

Наше підприємство вдячне за вашу допомогу та підтримку.

Сподіваємося на подальшу співпрацю та можливість разом працювати над майбутніми ініціативами на благо нашої спільної громади.

З повагою,

директор

Сергій ТАРУТІН

Вик. Ольга Гацько, 68-24

Sustainability and Advocacy Efforts

702 critical infrastructure facilities were affected by the war⁴

We plan to initially engage critical infrastructure facilities that produce larger volumes of electricity, as these are the primary targets for enemy missile attacks.

Mission Kharkiv reached out to the Ministry of Energy of Ukraine and received direct support for the Save The Workers initiative.

The Ministry of Energy issued recommendations to all sector enterprises (electric power, nuclear energy, oil and gas industry, coal industry) to conduct such training for their employees with the participation of the Mission Kharkiv team.

In 2024, Mission Kharkiv plans to provide every power plant in every Ukrainian city with life-saving first aid kits and trainings.

Recommendations:

1. Legislation should mandate compulsory training on the use of medical kits and instructions for providing medical assistance during a state of war for workers at all facilities. This will contribute to ensuring that workers are adequately prepared to provide first aid in extreme situations.
2. Legislation should be amended to include mandatory requirements for critical infrastructure facilities regarding the preparation and maintenance of medical kits, as well as conducting regular staff training. This will ensure reliable readiness and prompt response of critical infrastructure facilities in times of war or emergency.

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Resources:

¹ Apostrophe "The appearance of the destroyed thermal power plant in Kharkiv: photos" Ksenia Srybnyanska March 26, 2024
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² Ministry of Energy of Ukraine
<https://mev.gov.ua/reforma/enerhetychnyy-front>

³ Podrobnosti "DTEK showed what the power plant looks like from the inside after a missile strike (video)." Rostyslav Tsurkan April 2, 2024
<https://podrobnosti.ua/2478527-u-dtek-pokazali-jak-vigljada-tes-zseredini-pslja-raketnogo-udaru-vdeo.html>

⁴ UNIAN "russia damaged critical infrastructure objects, the number of which became known." Ludmila Zhernovska December 28, 2022
<https://www.unian.ua/war/skilki-ob-yektiv-kritichnoji-infrastrukturi-postrazhdali-cherez-ataki-rf-12092421.html>