



SafeMed – Capsule Hospital

Safety and Continuity of Medical Care in Crisis Conditions

2025

Experience of Cooperation with International Partners



Thanks to the support of international organizations, the hospital has already received significant assistance to improve energy efficiency, safety, and the quality of medical services:



EU4ResilientRegion / GIZ

- solar panels (UAH 4.6 million)
- major repair and equipping of the rehabilitation department and center (UAH 8.96 million)
- major Mobile clinic-car-IVECO DAILY 72C15 (8/9 million UAH)



IOM (International Organization for Migration)

- equipment and goods for the hospital: bedding, furniture, solar-powered lamps, etc. (UAH 0.8 million)



Security Project / Tetra Tech ES, Inc. (USA)

- 4 block-modular boiler houses for autonomous heating supply (UAH 9.5 million)



UNDP (United Nations Development Programme)

- vehicle for providing palliative care (UAH 3.6 million)

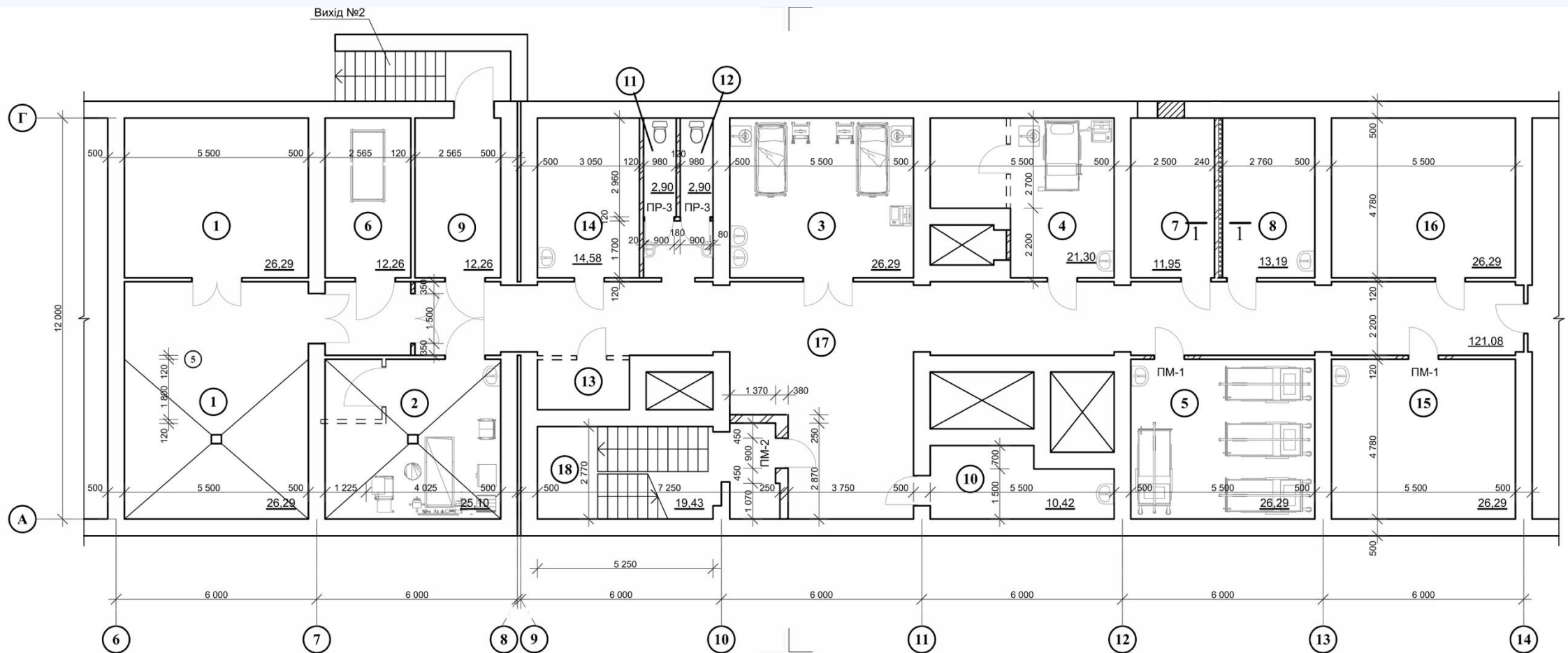
This is only a part of the international assistance implemented. We are sincerely grateful to our partners for their support in the most difficult times for Ukraine!

Critical Need

- ⚠ **Crisis Context** Military threats, shelling, airstrikes, and other emergencies create unprecedented challenges for healthcare facilities.
- ⚠ **Critical Gap** Traditional hospital departments lack **complete autonomy** and **protection** needed for crisis operations.
- 💡 **Need:** Innovative solution to increase the resilience of the healthcare system.
- ⚠ **High-Risk Scenario** Hospital facility damage threatens continuity of medical care when it's needed most.



A plan SafeMed – capsule hospital



1.	Операційна капсула	61,34
2.	Реанімаційна капсула	25,10
3.	Капсула палата відновлення №1	26,29
4.	Капсула палата відновлення №2	21,30
5.	Капсула палата відновлення №3	26,29
6.	Маніпуляційна капсула	12,26

7.	Капсула стерилізаційна	11,95
8.	Капсула зберігання медикаментів	13,19
9.	Безбар'єрна сходова зона з евакуаційним підйомником	12,26
10.	Капсула для санітарної обробки (дезінфекційна)	10,42
11.	Капсула санітарна (WC/душова) санвузол для персоналу	2,9
12.	Капсула санітарна (WC/душова, інклюзивна) санвузол для пацієнтів інклюзивний	2,9

13.	Капсула електроживлення (генераторна/акумуляторна)	4,11
14.	Капсула вентиляційно-фільтраційна (киснева станція)	14,58
15.	Капсула зберігання аварійних запасів (харчування, вода)	26,29
16.	Капсула медперсоналу (кімната відпочинку/чергування)	26,29
17.	Простір сполучення капсул	121,08
18.	Безбар'єрна сходова зона з евакуаційним підйомником	19,43

Capsule hospital concept

💡 The main idea

Creation of sealed and autonomous modules (“capsules”) in the basement of the main building, each being an independent treatment unit.

🏠 Types of Capsules

🏥 Operating Room

Modern surgical unit

🏠 Recovery Rooms

3 separate autonomous spaces

🏠 Intensive Care

Fully equipped for critical care

⚙️ Autonomy Features

🌬️ Independent ventilation systems with filtration

⚡ Standalone power supply

💧 Backup water supply systems

🏥 Complete set of medical and non-medical equipment



Technical Features and Autonomy



Ventilation

Independent systems with filtration, sterilization, and oxygen supply.



Power Supply

Independent sources: generators, batteries, solar panels, energy storage.



Water Supply

Backup systems



Equipment

Complete set of medical and non-medical equipment



Safety and Accessibility



Compliance with Standards

Designed according to building codes and inclusivity standards



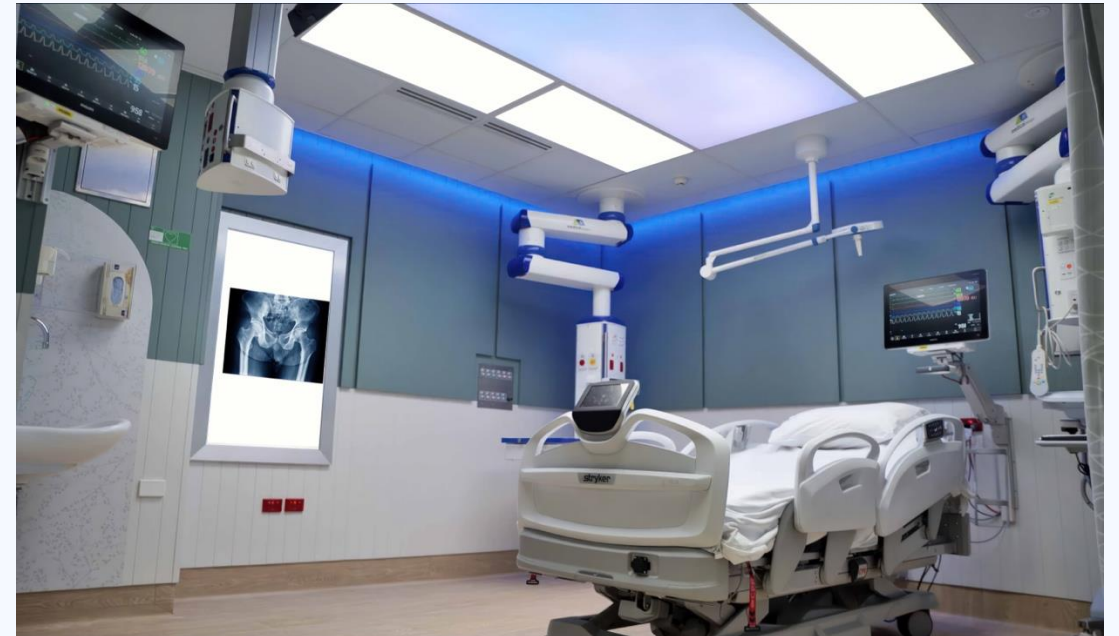
Accessibility

Spacious sanitary facilities and accessible entrances for people with disabilities



Protection

Structural solutions to maximize protection against blast waves, smoke, and fire



Expected Effect



Continuity

Medical care ensured even if other hospital departments are damaged



Preparedness

Increased readiness of healthcare facilities for emergencies



Scalability

Unique model of safe healthcare for other hospitals in Ukraine



Trust

Strengthening trust of communities and partners in the hospital



Reliability in the Most Difficult Conditions

The capsule hospital guarantees continuous operation of medical staff and patient care even in critical circumstances.

Target Audience of the Project



Community Residents and IDPs

Residents of Shostka district (190,000 people)
and internally displaced persons (19,400 people)
Shostka Community (Sumy Region)



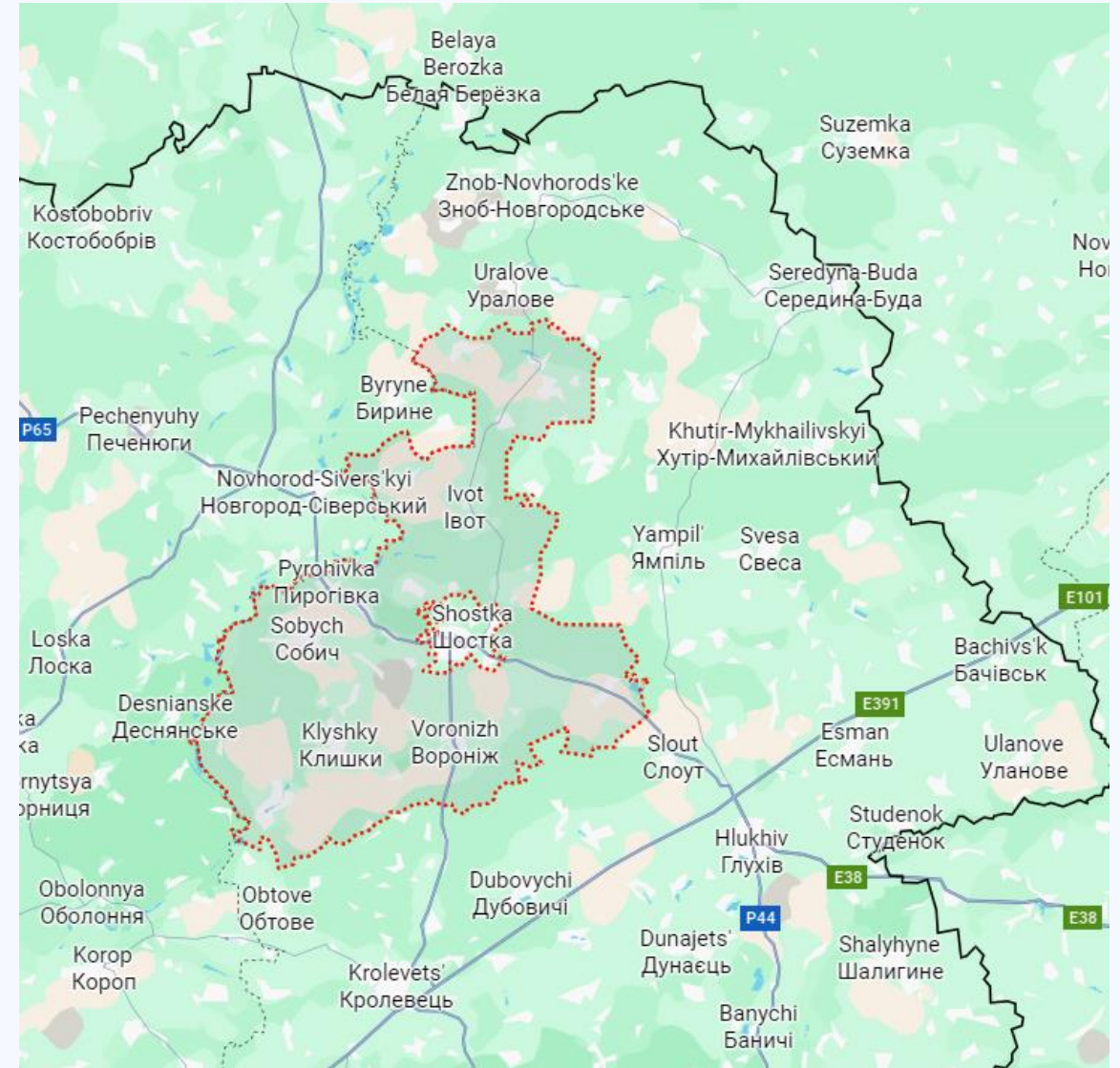
Military Personnel and Wounded

Defenders in need of medical assistance



Medical Staff

Doctors, nurses, and other hospital personnel.



Project Budget

Total Project Cost

36.2 million UAH



Construction and installation works

Creation of capsule premises **13,68 mill UAH**



Medical and non-medical equipment

Surgical unit, intensive care, recovery rooms
16,29 mill UAH



Autonomy systems

Ventilation, power, water supply **3,62 mill UAH**



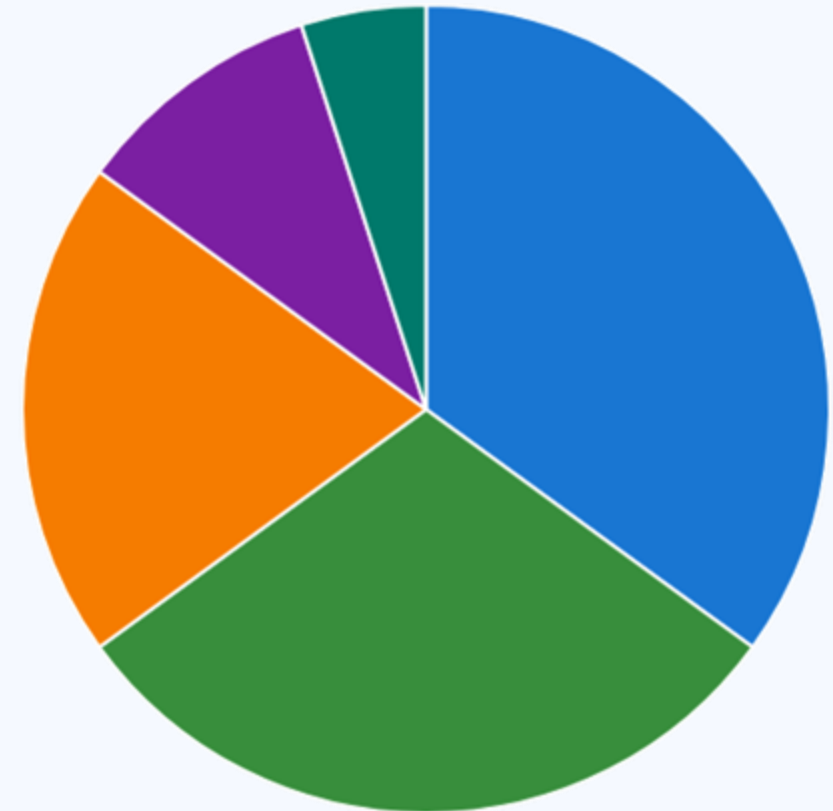
Staff training

Preparation for working inside capsules **1,81 mill UAH**



Contingency expenses

Unforeseen costs and modernization **0,8 mill UAH**



Будівельно-монтажні роботи

Медичне та немедичне обладнання

Системи автономності

Навчання персоналу

Резервні витрати

Sustainability and Multifunctionality



Use During War



Autonomy

Each capsule operates independently without external resources



Safety

Protection of staff and patients for external threats



Use in Peacetime



Training Center

Preparing medical staff to work in extreme conditions



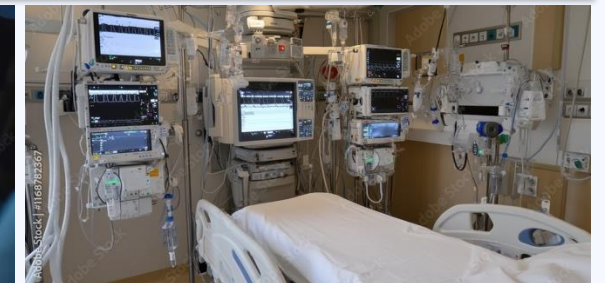
Reserve Base

Creation of temporary specialized departments



Training Center

The capsule hospital can be used for preparing medical staff to work in conditions that closely simulate real critical situations.



Multifunctionality

The project has long-term value, ensuring safety in crises and contributing to the development of the healthcare system in peacetime.

Conclusion / Call for investment



Innovation

SafeMed is a unique solution to ensure continuity of medical care



Safety and Resilience

Reliable protection of patients and medical staff in crisis conditions



Scalability

Potential for replication in other hospitals across Ukraine



Project Team Contact Information



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