



REAL
SCIENTIFIC PRODUCTION CENTER

Tashkent – 2025 y.

INTRODUCTION



This album discusses three software programs. The first is the "**MARCHPAWS^{XR}**" project, which teaches algorithms for providing assistance to the wounded on the battlefield, developed based on TCCC standards.

The second is the "**Tactical Defense**" program (in the form of a combat game), which enhances the combat skills of military personnel and youth.

The third is the "**Instructor Dashboard**" program, which provides a security system for the previous two programs, manages them, stores data, and enables analytical monitoring of results. More detailed information about these is provided in the following pages.

WHAT IS TCCC AND WHY SHOULD WE LEARN ABOUT IT?

TCCC (Tactical Combat Casualty Care) is the provision of tactical aid to wounded personnel on the battlefield.



MINIMUM MORTALITY RATE

Globally, military units that trained all personnel in accordance with TCCC standards have attained the lowest preventable mortality rates in the annals of contemporary warfare.



THE MAIN STANDARD IN THE USA

TCCC is presently the principal standard for delivering aid to the injured in combat scenarios throughout all branches of the U.S. armed services and numerous allied nations. Furthermore, pre-medical injury training grounded in TCCC is proliferating inside the U.S. civilian sector.



MILITARY/CIVILIAN DIFFERENCES

The delivery of injury care prior to consulting a medical expert varies markedly between military and civilian environments. TCCC was explicitly designed with these distinctions in mind. TCCC training, recognized as a standard in the U.S. Armed Forces, is compulsory for all personnel within the U.S. Department of Defense.



PROBLEM AND ITS SOLUTION

What factors contribute to the prevalence of preventable fatalities on the battlefield? Can they be prevented? Affirmative, via TCCC. Let us analyze this through statistical methods.

STATISTICS OF DEATHS RESULTING FROM BLOOD LOSS IN LIMBS:



TURNSTILES BEGAN TO BE WIDELY IMPLEMENTED STARTING FROM 2005-2006.



AFTER IMPLEMENTING TCCC

Results of the "75th Ranger Regiment" in the USA

- TCCC was implemented in the 75th Ranger Regiment.
- All soldiers and medics in the regiment were trained in TCCC.
- The preventable death rate among Rangers was: 3%.
- At the same time, the overall rate in the US armed forces was: 24%.

Conclusion: **TCCC is applicable and should be executed without delay.**

MARCHPAWS^{XR} PROJECT

March Paws

PROJECT DESCRIPTION

The MARCHPAWS^{XR} program is an algorithm designed to administer first aid to injured individuals on the battlefield. It has been developed in accordance with NATO countries' military medicine standards (TCCC), including sophisticated worldwide technology, and tailored to align with actual battlefield situations.

INTENSIVE / INTERACTIVE EDUCATION

This comprehensive set of simulation programs aims to provide military personnel with intensive and interactive comprehensive training in both theoretical and practical aspects of military medicine.

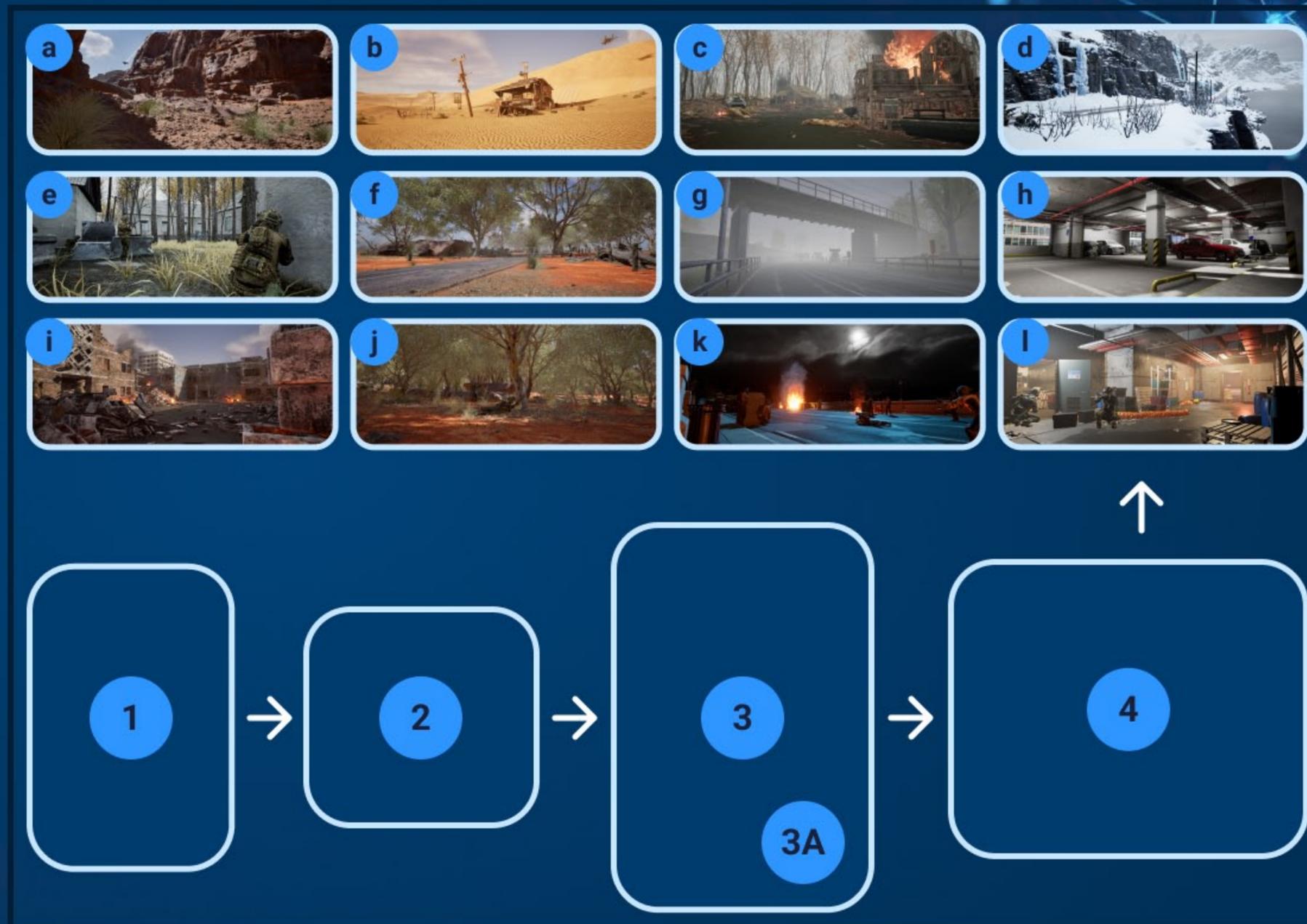


MARCHPAWS^{XR} PROJECT STRUCTURE

HALL LAYOUT:

1. Entrance hall.
2. Contents hall.
3. Theoretical knowledge hall.
3A - Artificial intelligence application area.
4. Practical knowledge hall:
 - a) in mountainous terrain;
 - b) in the desert;
 - c) in water;
 - d) in snow;
 - e) in rain;
 - f) in wind;
 - g) in fog;
 - h) in urban disorder situations;
 - i) in emergency situations;
 - j) in the forest;
 - k) in darkness;
 - l) when chemical, biological, radiological, or nuclear weapons are used.

PROJECT BLUEPRINT



SCIENTIFIC BASIS

THROUGH COLLABORATION

This project was created in partnership with faculty members of the Military Medical Academy of the Armed Forces of the Republic of Uzbekistan.

POSITIVE TEST CERTIFICATE

The project underwent testing by specialists from the Academy, resulting in the issuance of a positive test certificate.

SCIENTIFICALLY BASED REVIEWS

Five scientific reviews were obtained from the heads of five departments of the Academy.



Prior to the project preparation, a memorandum of cooperation was signed with the Military Medical Academy.

This project was developed as a result of scientific research and experimental design activities.

REALISTIC SCENARIOS

INDEPENDENT LEARNING



All knowledge and practical abilities within the program are structured for autonomous learning via virtual reality devices utilizing training situations, devoid of instructor involvement.

PRESSURE RESISTANCE



The practical exercises in the project include interactive battlefield scenarios designed to train individuals in life-saving techniques under combat strain.

ALPHA, BETA / GAMMA



The extensive training program, featuring actual scenarios, is of superior quality, reproducible, and user-centric. It was created in conjunction with seasoned military medical instructors and underwent three phases of testing: alpha, beta, and gamma. It is additionally founded on military standards and clinical practice recommendations.



This project was developed as a result of scientific research and experimental design activities.



COMPREHENSIVE SIMULATION

MASSIVE NEED



Currently, the armed services of numerous nations require extensive simulation solutions for military medical training.

MULTIPLAYER. - HOW MANY USERS?



The number of users who can use the MARCHPAWS.XR program simultaneously: 12 people. However, at the request of customers, this number can be increased or decreased.

OPTIMAL SOLUTION



The comprehensive simulations in this program, along with many other advantages, help to increase the speed of medical assistance on the battlefield, better reinforce first aid skills and maintain constant readiness, provide effective assistance to real casualties in a short time, and reduce medical errors.



The execution of this project will save individual medical kits utilized in military personnel training exercises, hence yielding substantial cost reductions for governments.





SYSTEMATIC MEDICAL ASSISTANCE



By studying the "MARCHPAWS^{XR}" program, any soldier can systematically treat and stabilize various types of injuries of the wounded, based on medical standards. Most importantly, learning this process has been organized in a very easy and simplified manner.

CLINICAL / OPERATIONAL DECISION-MAKING



With the help of the program, learners of any level enhance their skills in making immediate clinical and operational decisions in fully immersive environments of the virtual world. This allows trainees to practice safely in order to act without losing their composure in high-risk situations.

PROFESSIONALISM TRAINER



The program enables military troops to practice battlefield first aid until they can execute it accurately and flawlessly.

"TACTICAL DEFENSE" PROJECT

Strategic Cybersport

Tactical Defense

PROJECT DESCRIPTION

The "Tactical Defense" program was developed to enhance combat-tactical knowledge and practical skills of military personnel, reservists, cadets of higher military educational institutions, youth, and others, to prepare and retrain them for combat readiness, and to improve their professional combat capabilities.

NUMBER OF USERS

This program, which allows for team-based combat, can be used by 12 users (maximum 6 people in each team). However, the number of users can be increased or decreased according to the customer's requirements.

TEAM OR INDIVIDUAL

The program can be used collectively or individually. When used individually, users engage in combat with realistic bots. The difficulty level when fighting bots is divided into easy, medium, and hard modes.



Experience the unparalleled excitement and energizing power of "Tactical Defense" through virtual reality devices!

10

CHAMPIONSHIPS AND A SECURE SYSTEM



ORGANIZING CHAMPIONSHIPS



To enhance the medical and combat training skills of military personnel, test, evaluate, select the best performers, and spark their interest in these areas, there is an opportunity to hold championships and tournaments using the MARCHPAWS.XR and "Tactical Defense" programs among all power structures or the youth of the country.

INFORMATION SECURITY



Information security is fully ensured to prevent the dissemination of personal data of program users, institutional information, or other similar data. Only authorized employees of the institution that purchased the software can access the data. They will be provided with detailed information on ensuring information security, and IT personnel will be trained accordingly.

NETWORK CONNECTION



Remote championships are organized with internet or VPN connection. For championships held at a specific location, offline modes can also be utilized.



THE ONLY ONE IN THE WORLD...



NO ANALOGUES EXIST



For the first time in the world, the treatment of a wounded person using medical devices, including tourniquets, personal dressing kits, and elastic bandages, has been developed in a form identical to real life.

This function makes the project unique in the world in the field of military medicine, prepared in a way that is in harmony with real life.

THE FIRST THEORETICAL KNOWLEDGE IN THE WORLD



To date, no simulation program has been developed in the world that provides (teaches) fully animated theoretical knowledge in an interactive way through virtual reality devices according to MARCHPAWS.

THE FIRST COMBAT GAME IN CENTRAL ASIA



For the first time in Central Asia, an extended reality (XR) game has been developed, which allows playing esports games and holding championships in them, as well as improving the combat readiness of soldiers.

It is designed for 100% independent learning.

12



"INSTRUCTOR DASHBOARD" PROGRAM AND ANALYTICAL EVALUATION

CONTROL TOOL



A system for automatically evaluating user results has been implemented through the "Instructor Dashboard" program, which can be controlled via mobile devices. This program presents and stores user performance dynamics in an analytical format.

ADVANCED FUNCTIONALITY

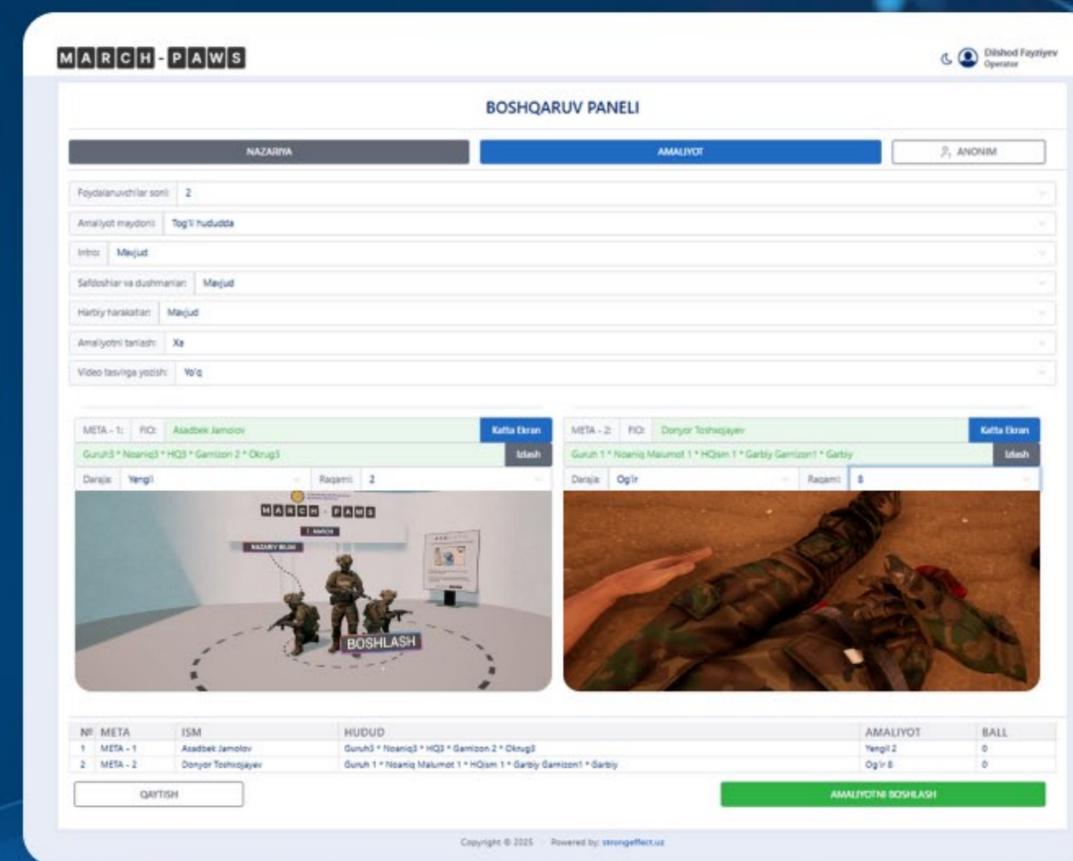


It allows monitoring users individually or in groups, selecting the number of users to track, and transmitting the actions of the monitored user (s) to screens. Additionally, there are options for selecting practice rooms, choosing the difficulty level of exercises, and determining which specific practice is performed by whom, along with numerous other functional capabilities.

CONNECTING BRIDGE



In remotely held tournaments and championships, the "Instructor Dashboard" program functions as a conduit, uniting users, observers, and operators from diverse places into a cohesive system.



When using the "Instructor Dashboard" program, you can utilize any desired number of devices that support Android or iOS operating systems.



UNIQUE ADVANTAGES OF THE PROJECT***

Unusual set of developments



Graphics



Animation



3D dimension



PROFESSIONAL
AUDIO VOICES

Diverse audio voices recorded by professional voice-over artists under the supervision of a sound director.



Theoretical
knowledge



Practical
knowledge



ONLINE



OFFLINE

ARTIFICIAL INTELLIGENCE



To further enhance and reinforce trainees' knowledge of military medicine and military exercises, artificial intelligence has been installed in the project's theoretical learning hall. It is necessary to be online when using it.

TECHNOLOGICAL TRAINER

In essence, this program is:



A comprehensive set of the latest developments in education, practical training, and medical simulation technologies designed to save human lives.



A training simulator for learning diagnostic skills.



OTHER BASIC FEATURES



RADIO COMMUNICATION

In the "Tactical Defense" esports program, users can communicate with each other via virtual reality devices as if using radio communication.



TO AVOID BEING HIT

If a user entering the red zone stands upright for more than 10 seconds, they will be hit by a projectile and removed from the exercise. The exercise must be performed in a sitting or lying position.



TURNING THE FLASHLIGHT ON / OFF

In this project, when the user brings one of their hands close to their head, the flashlight turns on. Bringing the hand close again turns it off.



AUTOMATIC RIFLE

When a user enters the practice rooms, they will have an automatic rifle in their hands. It has the capability to shoot. If the hand holding the automatic rifle is brought close to the area between the shoulder and head, the automatic rifle is slung over the back.



CAPABILITIES OF ARTIFICIAL INTELLIGENCE

The artificial intelligence has been given the name Jamol. You can communicate with it by addressing it by its name.

The MARCHPAWS^{XR} program extensively utilizes various artificial intelligence technologies, including speech recognition and synthesis, as well as "natural language processing" (LLM and NLP) techniques.

VIRTUAL AND IMMERSIVE TRAINING

VIDEO RECORDING



The "video recording" function allows you to review any part of the ongoing TCCC exercises at any time. This enhances the level of knowledge retention, enables the analysis of mistakes and shortcomings made, and reduces the need for trainers.

THE PRACTICAL WORK WILL BE GRADED AUTOMATICALLY



Using this program, which allows users to crawl, walk, and run on a virtual battlefield, the actions performed by individuals or groups are automatically evaluated.

THE "CRAWL, WALK, RUN" SCENARIO.



This simulation training program, which allows for crawling, walking, and running, significantly enhances the effectiveness of saving human lives, managing time during combat, and making rapid decisions under pressure.



The project's realistic training halls are divided into zones resembling battlefield areas.

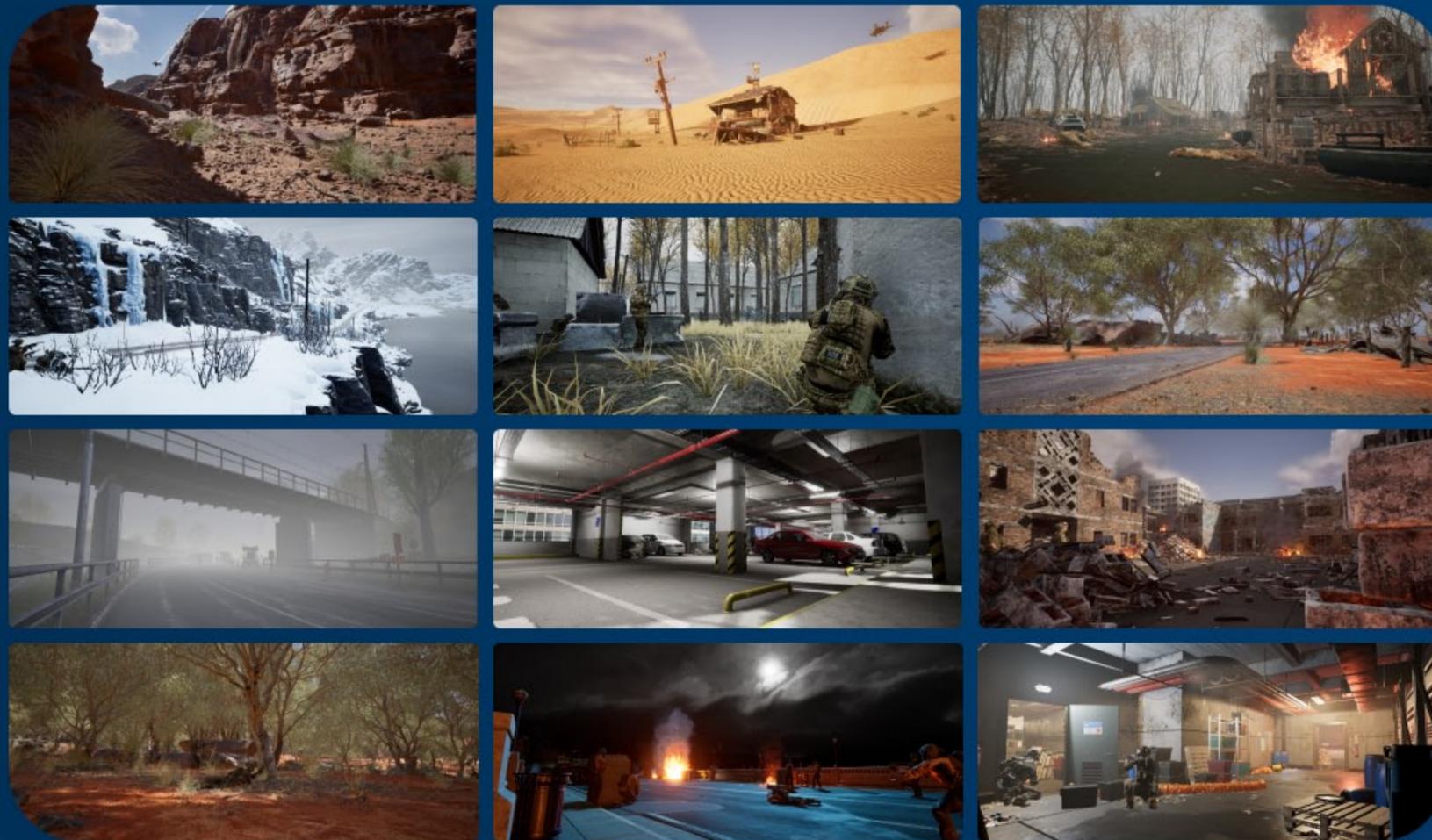


SCRIPTED BATTLEFIELDS



CONDITIONS COVERED

Scenarios depicting 12 different situations involving natural events, civil actions, and wartime conditions have been systematically developed for use as a practical training environment.

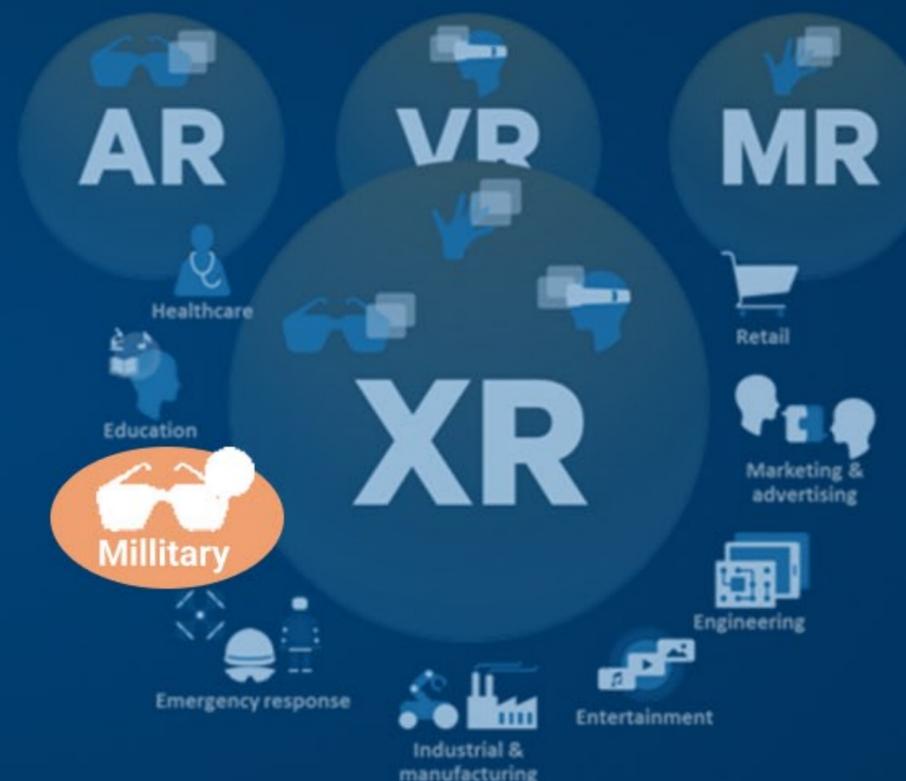


-  "in mountainous terrain"
-  "in the desert"
-  "in water"
-  "in snow"
-  "in rain"
-  "in wind"
-  "in fog"
-  "in the forest"
-  "in darkness"
-  "in emergency situations"
-  "amid civil disturbances in metropolitan regions"
-  "when chemical, biological, radiological, or nuclear weapons are deployed"

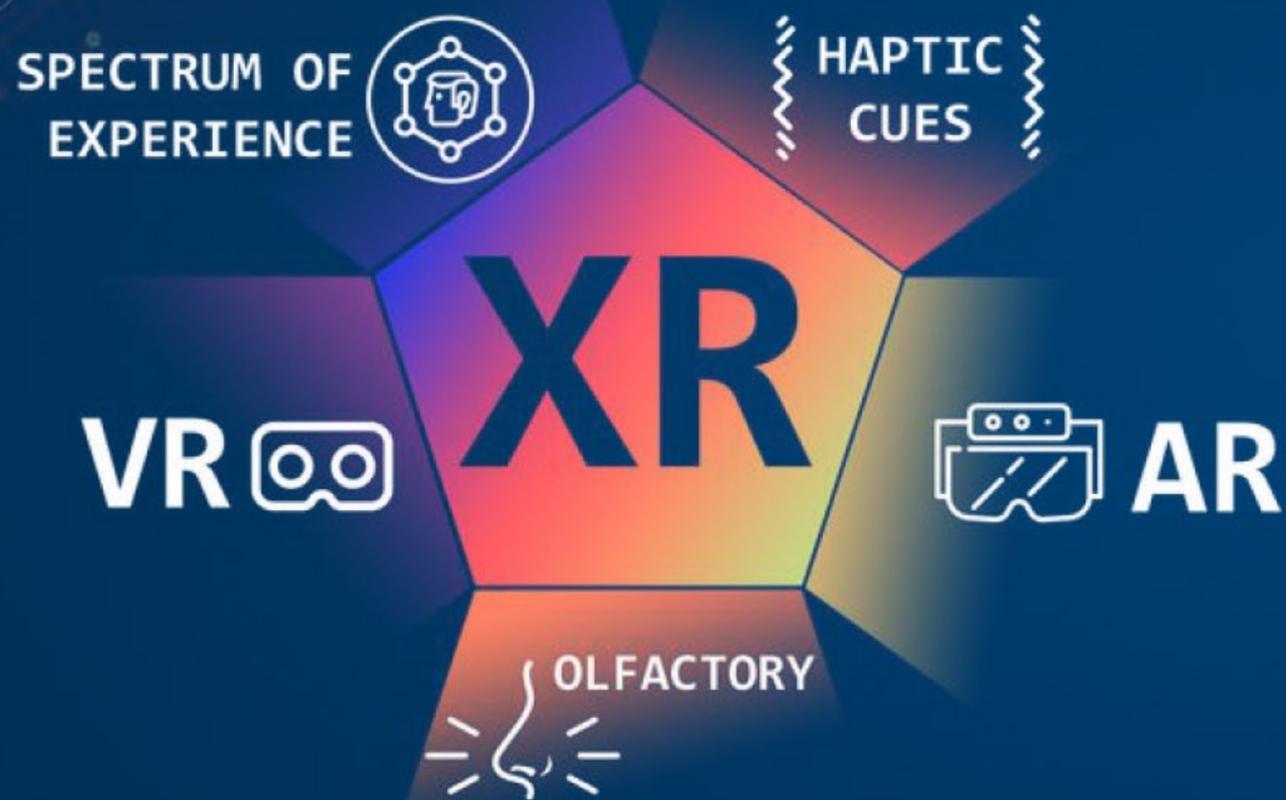
WHAT ADVANCED TECHNOLOGIES ARE USED IN THE PRODUCTION OF MARCHPAWS^{XR}?

XR stands for extended reality, which encompasses Augmented Reality (AR), Virtual Reality (VR), and Mixed Reality (MR).

XR IS THE FUTURE



The world's leading countries are already using XR technologies in the military sector.





XR TECHNOLOGY



IS IT NECESSARY FOR MEDICAL SCHOOLS? YES.

EMERGENCY MEDICINE IN CLINICAL SCIENCES



The MARCHPAWS.XR program teaches how to provide first aid to soldiers wounded on the battlefield. The theory and practice of first aid are included in the curriculum of clinical subjects taught in advanced courses of medical programs at universities. Therefore, this program is also essential for higher education institutions with medical specializations.

"MILITARY FIELD SURGERY"



In addition, medical universities teach the subject "Military Field Surgery." This subject specializes in providing the same knowledge that the MARCHPAWS^{XR} program was designed to teach. In other words, the core content of both is identical. It is particularly noteworthy that MARCHPAWS^{XR} has been developed based on the latest global educational technologies and in accordance with NATO standards.



Today, acquiring knowledge through virtual reality is the world's latest educational technology.



SPECIAL FOR MILITARY PERSONNEL

"VESTIBULAR?" - NO DIZZINESS.



Through the use of projects, military personnel can prevent vestibular disturbances, improve their adaptation skills, and have more opportunities to practice adapting to vestibular conditions. This is considered a crucial skill for military service members. A vestibular condition is dizziness that occurs along with a loss of balance.



This suite of programs is considered a military and dual-purpose product.



INGENUITY TEST TASK

To enhance the program's interest level and test users' ingenuity and intelligence, one wise saying from thinkers has been hidden in an inconspicuous place within each of the 12 practice halls. The instructor may ask their students to find the following wisdom quotes either throughout the entire program or in a specific hall:



IN MOUNTAINOUS TERRAIN

There is no salvation in this world other than knowledge, nor will there ever be. ~ Imam Bukhari.



IN THE DESERT

Education comprises three parts: physical training, intellectual development, and moral upbringing. ~ Abdurauf Fitrat.



IN WATER

If there were no teachers in the world, life would not be as beautiful as it is. ~ Abdurrahman Jami.



IN SNOW

The dignity of every person lies in performing their work excellently. ~ Abu Rayhan Beruni.



IN RAIN

Sometimes, the charity from your tongue (that is, your advice, counsel, and eloquent sermons) can be more beneficial than the charity from your hands. ~ Abulqosim Zamakhshari.



IN WIND

Now you can experience the respect and honor of a general without actually becoming one. To achieve this, you must recognize the zeal of the youth and pat them on the back. ~ Abdulla Qahhor.



IN FOG

Modesty is the eternal beauty and grace of a person. A face without modesty resembles a lifeless body. ~ Abu Ali Ibn Sina.



AMID CIVIL DISTURBANCES IN METROPOLITAN REGIONS

The beauty of a flower stems from its seed; the loveliness of a person springs from their heart. ~ Mawlana Jalaluddin Rumi.



IN EMERGENCY SITUATIONS

I realized that the rarest blessings are truthfulness and courage, while the most painful affliction is having wicked and hypocritical friends. ~ Najmiddin Kubro.



IN THE FOREST

When expressing an opinion, say: "This is my perspective." ~ Imam Ghazali.



IN DARKNESS

I beseech you: Honor the teachers who work in the field of education! ~ Mahmudxo'ja Behbudiy.



AMID CIVIL DISTURBANCES IN METROPOLITAN REGIONS

Forge your weapon from knowledge. Seek your status through patience. ~ Imam Maturidi.

*PROJECT IMPLEMENTERS

MILITARY MEDICAL PROFESSIONALS

They have repeatedly undergone training in various countries according to the "MARCH PAWS" program.



**Lieutenant Colonel of
Medical Services**

Kholkhodzhaev Avaz
Akbarovich



**Lieutenant Colonel of
Medical Services**

Abdusamatov Djamoliddin
Mukhiddinovich



**Lieutenant Colonel of
Medical Services**

Sadykov Shukhrat
Shokirjonovich



**Sergeant
Third Class**

Gulomov Asrorjon
Akmaljon ugli



**Sergeant
Third Class**

Karimova Ozoda
Esonovna

*PROJECT IMPLEMENTERS

SPECIALISTS OF THE "REAL" SCIENTIFIC PRODUCTION CENTER



Khakimboy
Yuldashov
Project Manager



Boltayev
Gulomjon
Systems Designer



Utkirbek
Karimov
Chief Software
Engineer



Tursunboy
Sobirov
Database
Administrator



Hayotbek
Raximbayev
Supply Chain
Manager



Mirmukhammad
Ruzmetov
Marketing Director



Izzat
Khajiev
Texture programmer



Elbek
Rakhimov
Programmer



Kabuljon
Yusupov
Programmer

AUDIO RECORDING SPECIALISTS



Oybek
Tokhirov
Dubbing Director



Alokxon
Sodikova
Voice actor



Abdullajonova
Kamila
Voice actor



Isfandiyor
Khamidov
Voice actor



Farkhod
Beknazarov
Sound technician



Umid
Bekmuhammad
Historian scholar



Javlonbek
Jahongirov
Video content
specialist



Avazbek
Yuldashov
Graphics programmer



Quvonch
Usmonov
Technical expert

OTHER KEY SPECIALISTS

REJALASHTIRILGAN LOYIHALAR AMALDA

LOYIHALARNI TAYYORLASH BO'YICHA YO'L XARITASI

Nº	Name of the project	Preparation time	Status
1	"MARCHPAWS ^{XR} " program	July 2025	Completed 
2	"Tactical Defense" program	July 2025	Completed 
3	"Instructor Dashboard" program*	July 2025	Completed 
4	Curriculum for the subject "Initial Pre-conscription Training"	March 2026	In preparation
5	"First Aid" program**	May 2026	Technical specifications are being prepared
6	"Technical Safety" Program**	August 2026	A working group is being formed

The "Instructor Dashboard" program provides a secure system for all the programs listed in the above table, serving as a management tool, a data storage facility, and a means for automatic user assessment and analytical monitoring.

"First Aid" and "Occupational Safety" are considered essential life-saving knowledge that everyone must possess, regardless of their age, gender, workplace, or position. Therefore, it is planned to develop high-quality programs that will enable individuals to acquire theoretical and practical knowledge and skills in these areas.



PRODUCT COMPOSITION

COMPOSITION OF TECHNICAL EQUIPMENT:

12 piece



META QUEST 3S

CPU: Snapdragon XR2 Gen 2
Display: Dual 1832 × 1920 panels, 90–120 Hz refresh rate, 96° horizontal FOV, 90° vertical FOV
RAM: 8 GB
Storage: 128 GB or 256 GB internal storage
Cameras: 4 tracking sensors for controllers, 2 RGB cameras for passthrough mode
Battery: 4324 mAh
Dimensions: 191.5 × 102 × 142.5 mm, 514 g

The primary educational tool for acquiring theoretical and practical knowledge.

1 piece



COMPUTER CASE

Motherboard: ASUS ROG Strix Z790-E
CPU: Intel Core i9 – 14900K
CPU Cooler: ASUS ROG STRIX LC II 360 ARGB WHITE
SSD (Storage): Samsung 990 PRO 2TB M.2 NVMe
RAM: Kingston Fury RGB 128GB (32GB × 4) DDR5 6000MHz
GPU: GeForce RTX™ 5090 GAMING OC 32G
PSU : Corsair HX1500i 1500W 80+ Platinum
Case: Pro Gaming 715
Case Fans: 10× ARGB Fans

Equipment that ensures project quality and high-quality graphics. A data storage source.

1 piece



INTERACTIVE MONITOR

Interactive Touch Panel (Monitor)
Display: "75", 4K (3840×2160), anti-glare, 60 Hz
Touch: Infrared or capacitive, up to 20 touch points
Processor: Quad-core, integrated GPU
Memory: 4 GB RAM, 32 GB ROM
Interfaces: HDMI (2–3), USB (4), RJ-45, Wi-Fi 2.4/5 GHz, Bluetooth
Audio: 2×10W speakers, 3.5 mm AUX
Features: Wireless screen mirroring (Miracast, AirPlay), screen recording, stylus support
Display information on the screen.

1 piece



TABLET

Xiaomi Redmi Pad SE
Operating System: Android 13
Processor: Qualcomm Snapdragon 680
Internal Storage: 128 GB
RAM: 4 GB
Battery Capacity: 8000 mAh
Display Resolution: 1920 × 1200
Refresh Rate: 90 Hz
Wireless Connectivity: Wi-Fi, Bluetooth
Control device.

1 piece



WI-FI ROUTER

Tenda TX2 Pro (Wi-Fi Router)
Wi-Fi Standard: Wi-Fi 6 (802.11ax)
Speed: 2.4 GHz – 300Mbps, 5 GHz – 1201 Mbps
Ports: 1× Gigabit WAN, 3× Gigabit LAN
Antennas: 5 external antennas (6 dBi)
Technologies: MU-MIMO, OFDMA, Beamforming
Security: WPA3, Parental Control, Blacklist
Management: Via Tenda mobile app
Supports: IPv6, IPTV, Guest Wi-Fi

A means of interconnecting the equipment used in the project.

1 piece



SERVER RACK

Floor Standing Cabinet
Height (U): 42U (2050 mm)
Equipment width: 19"
Overall dimensions (mm): 600 × 1000 × 2050
Front door type and material: Perforated
Construction material: Cold-rolled steel sheet
Material thickness: Mounting profile – 1.5 mm; other parts – 1.2 mm
Protection rating: IP20

To organize equipment in an orderly manner and prevent loss.

3 piece



PROJECT HANDBOOK *

A guidebook that provides instructions on how to use the project and information about evaluation criteria.

For learning how to use the project and understanding the evaluation criteria.

1 piece



PROJECT PORTFOLIO *

A compilation of information in album format that provides detailed insights about the project.

To obtain comprehensive information about the project.

* PRODUCTS ARE ALSO AVAILABLE IN ELECTRONIC FORMAT.



PRODUCT COMPOSITION

CONTENT OF SOFTWARE PRODUCTS:

Nº	Name	Technical specifications*	Quantity (pieces)	Intended use
1	Program "MARHPAWS ^{XR} "	Platforms: Windows (.exe), Android (.apk)	1	Theoretical and practical study of military medical science.
2	"Tactical Defense" program	Platforms: Windows (.exe), Android (.apk)	1	Enhancing practical military combat proficiency.
3	"Instructor Dashboard" program*	Platforms: Web, Android (.apk), iOS	1	Ensuring a secure system, management tool, data storage tool, and analytical monitoring tool.

 * All software has a protection system.



The set of technical equipment and software recorded in the two tables above is considered as one product.



After the products are delivered, no annual subscription or payment is required.



Customers will be fully instructed on how to use the products when they visit the company's facility.



PRICE

MARCHPAWS^{XR} PREMIUM



Applications
"MARCHPAWS^{XR}", "Tactical Defense", "Instructor Dashboard"



+ Technical Equipment

~~US\$149,999~~ US\$99,999

Buy MARCHPAWS^{XR} PREMIUM and save US\$50,000.

* Additionally, the client's state military uniforms, state symbols, and other similar items are incorporated into the programs.

COMPARE / RATE

MARCHPAWS^{XR}



US\$99,999

Make over US\$80,000 in profit by purchasing the PREMIUM package.

«УчТехТранзит» LTD



US\$185,457

Virtual procedural simulator "First aid in military conditions and tactical medicine VR"

DIMEDUS



US\$188,506

A digital medical education system that delivers an immersive and interactive learning environment for medical professionals and students of Medicine

THEORETICAL KNOWLEDGE OF ANIMATION

LIST OF THEORETICAL KNOWLEDGE TOPICS:

1. What is MARCH PAWS?
2. Individual medical kit
3. Manual for assessing injuries in tactical situations
4. Measures to be taken in the red zone (when there is an immediate risk of engagement)
5. Measures carried out in the yellow zone (tactical field care)
6. Assessment and stopping of massive bleeding **M**
7. Assessment of upper respiratory tract patency **A**
8. Restoration of breathing **R**
9. Assessment of blood circulation and pulse examination **C**
10. Prevention of hypothermia **H**
11. Examination and assessment of head injuries
12. **PAWS**
13. Applying a tourniquet with one hand in the red zone (directly on the battlefield)
14. Applying a tourniquet with both hands in the red zone (directly on the battlefield)
15. Evacuation of a wounded person from the battlefield by one person
16. Evacuating the wounded from the battlefield with the assistance of two people
17. Applying a tourniquet with two hands in the yellow zone (on the field tactical area)
18. Applying improvised tourniquets made from available materials to arms and legs
19. Stopping bleeding from the neck area
20. Stopping bleeding from the axillary (armpit) region
21. Stopping bleeding from the groin area
22. Head tilt / chin lift (Recovery position triad)
23. Use of nasopharyngeal airway
24. Safe recovery position
25. Replacing the tourniquet (Performed by Feldsher)
26. Pulse detection points
27. Treatment of thermal burns
28. Open abdominal wounds
29. Instructions for performing the procedure
30. Instructions for using equipment

FUTURE PRACTICE

SELECTIVE PROCEDURE



The user or their mentor can choose to treat and provide care for a specific wounded soldier or type of injury.

"LIGHT" / "MODERATE" / "SEVERE"



Due to the high probability of a soldier receiving multiple injuries on the battlefield, several types were selected from 50 categorized injury types and recorded as a single wounded soldier. The wounded soldiers were divided into 3 groups according to the severity of their injuries. These are groups of "light," "moderate," and "severe" injuries. Each group consists of 10 soldiers. Each wounded soldier has 3 to 5 injuries, depending on the group to which they belong. When performing the practical exercise, the user must treat these injuries in the wounded soldier assigned to them by the program based on the MARCH PAWS sequence.

WORKING GROUP OF PROFESSIONALS



A working group consisting of leading scientists, professors, and military specialists in the medical field has compiled a comprehensive list of injuries that may be encountered on the battlefield. This list encompasses 50 types of injuries.



LIST OF 50 MEDICAL DIAGNOSES:

HEAD INJURIES

- * Laceration of the frontal region of the head with external bleeding complication;
- * Grazing gunshot wound to the crown of the head with external bleeding complication;
- * Penetrating gunshot wound to the right temporal region of the head with external bleeding complication;
- * Perforating gunshot wound to the left temporal region of the head, with bone fractures and external bleeding complication;
- * Penetrating gunshot wound to the occipital region of the head, blind-ending, with external bleeding complication.

FACIAL INJURIES

- * Gunshot wound to the facial area with facial deformity, complicated by external bleeding;
- * Gunshot wound to the face with fracture of the right temporal bones, complicated by external bleeding;
- * Gunshot wound to the face with laceration of the nasal and oral area, complicated by external and oral cavity bleeding;
- * Penetrating wound of the right eye from a mine fragment, complicated by external bleeding;
- * Penetrating wound of the left eye from a mine fragment, complicated by external bleeding;
- * Penetrating wounds of both eyes from a mine fragment, complicated by external bleeding;
- * Gunshot wound to the right ear pinna, complicated by external bleeding;
- * Wound to the left ear pinna from a mine fragment, complicated by external bleeding.

NECK INJURIES

- * Grazing wound to the right side of the neck area from a bullet fragment, with complications of external bleeding;
- * Grazing wound to the left side of the neck area from a firearm, with complications of external bleeding.

CHEST INJURIES:

- * Right-sided penetrating chest wound from a mine fragment, complicated by external bleeding;
- * Left-sided penetrating chest wound from a firearm, complicated by external bleeding;
- * Penetrating chest wound in the scapular region from a firearm, complicated by external bleeding;
- * Right-sided penetrating wound of the chest and right scapular region from a mine fragment, complicated by external bleeding;
- * Blind penetrating wounds of the right and left chest from a firearm, complicated by external bleeding;
- * Right-sided penetrating wound of the chest and left scapular region from a mine fragment, complicated by external bleeding;
- * Left-sided penetrating wound of the chest and right scapular region from a bullet fragment, complicated by external bleeding;
- * Multiple blind penetrating wounds of the left chest from a bullet fragment, complicated by external bleeding;
- * Penetrating wounds of the right and left chest and left scapular region from a firearm, complicated by external bleeding.



LIST OF 50 MEDICAL DIAGNOSES:

ABDOMINAL INJURIES

- * Left-sided penetrating abdominal injury from a mine fragment, with complications of external and internal bleeding;
- * Right-sided penetrating abdominal injury from a bullet, with complications of external and internal bleeding;
- * Penetrating injury to the upper abdominal region from a bullet, with complications of external and internal bleeding;
- * Penetrating injury to the lower abdominal region from a mine fragment, with complications of external and internal bleeding;
- * Penetrating abdominal injury from a bullet, complicated by intestinal evisceration.

AXILLARY REGION INJURIES:

- * Penetrating wound in the right axillary region caused by a mine fragment, with complications of external and internal bleeding;
- * Grazing wound in the left axillary region caused by a mine fragment, with complications of external bleeding.

INJURIES OF THE INGUINAL REGION:

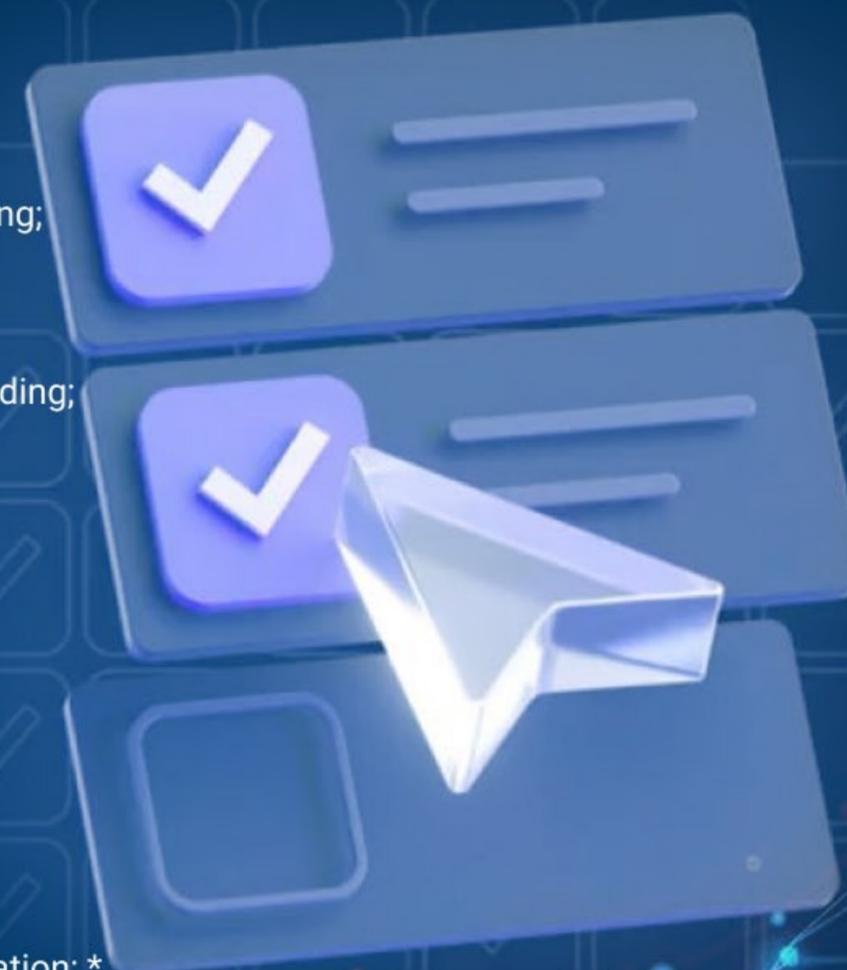
- * Blind penetrating wound in the right inguinal area caused by a bullet, complicated by external bleeding;
- * Blind penetrating wound in the left inguinal area caused by a mine fragment, complicated by external bleeding.

SPINAL COLUMN INJURIES:

- * Penetrating wound of the thoracic region of the spinal column from a mine fragment, complicated by external bleeding;
- * Penetrating wound of the lumbar region of the spinal column from a bullet, complicated by external bleeding.

HAND INJURIES:

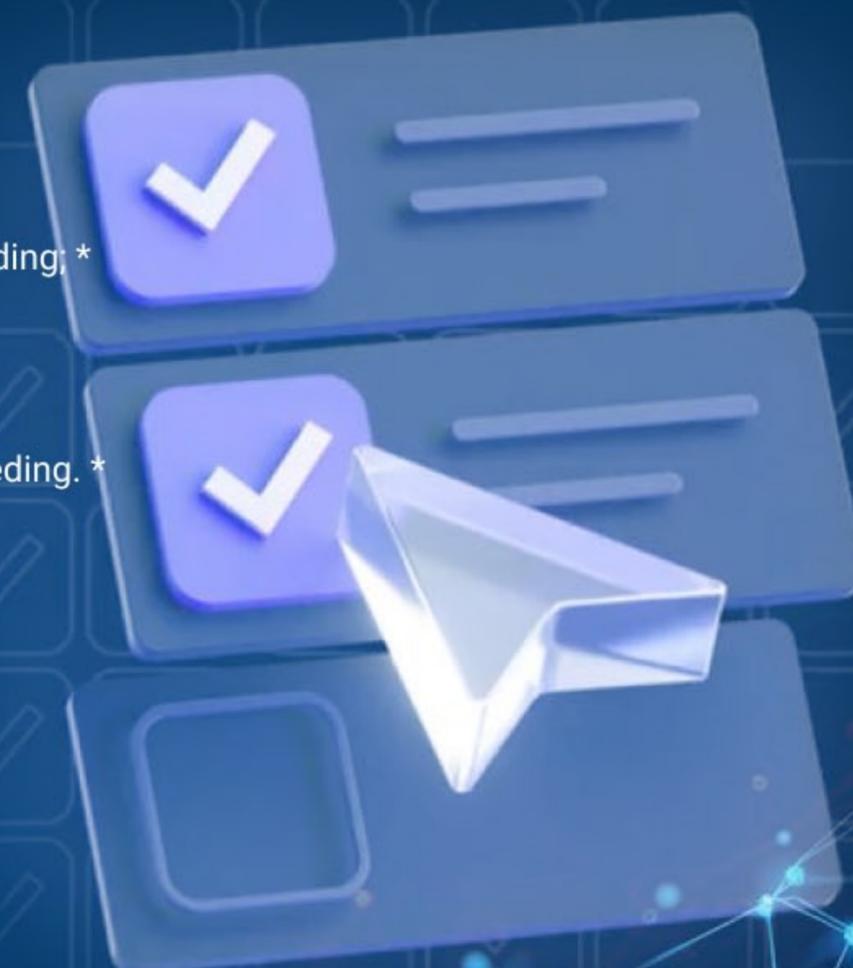
- * Grazing wound from a bullet to the right palm with incomplete traumatic rupture and external bleeding complication; *
- * Penetrating wound from a mine fragment to the left palm with complete traumatic rupture and external bleeding complication; *
- * Penetrating wound from a bullet to the middle third of the right forearm with traumatic rupture and external bleeding complication; *
- * Ricochet wound from a bullet to the middle third of the left forearm with comminuted fracture of the forearm bones and external bleeding complication; *
- * Multiple injuries from mine fragments to the right elbow joint due to mine explosion, with traumatic amputation of the right elbow joint and external bleeding complication; *
- * Extensive grazing wound from a bullet to the right shoulder area with external bleeding complication; *
- * Grazing wound from a bullet to the left shoulder area with external bleeding complication. *



LIST OF 50 MEDICAL DIAGNOSES:

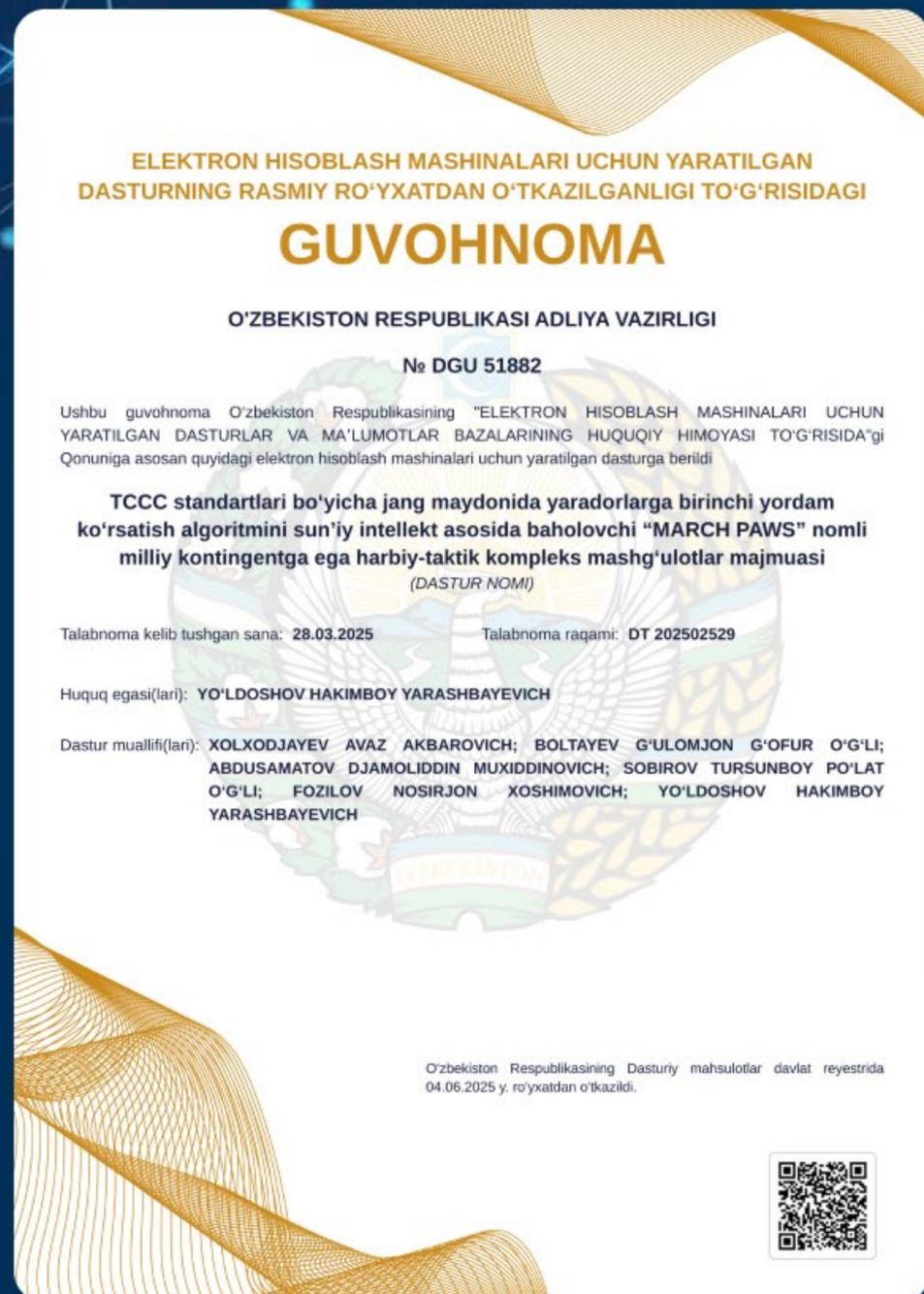
LEG INJURIES:

- * Traumatic amputation of the right heel area due to a mine explosion, complicated by external bleeding; *
- * Traumatic injury of the left heel area from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation of the right leg at the middle third of the tibia from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation of the left leg at the lower third from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation at the right knee joint from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation at the left knee joint from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation of the lower third of the left thigh from a mine explosion, complicated by external bleeding; *
- * Traumatic amputation of both legs at the lower third of the lower leg from a mine explosion, complicated by external bleeding. *



SELF-MEDICAL CARE

The project includes a feature that allows users to provide self-medical care, which involves treating 15 medical conditions marked with an asterisk (*) above. These 15 injuries were selected based on the user's ability to visually inspect their own body parts.



COPYRIGHT OBTAINED



A certificate No. DGU 51882 was obtained on 04.06.2025 from the Intellectual Property Agency under the Ministry of Justice of the Republic of Uzbekistan as copyright for the project.

CYBER PARK MEMBER



Our enterprise was admitted to membership in the Cyber Park of Innovations in Cybernetics on May 15, 2024.

The projects being presented are objects of intellectual property rights.



***SIFAT KO'RSATKICHLARI



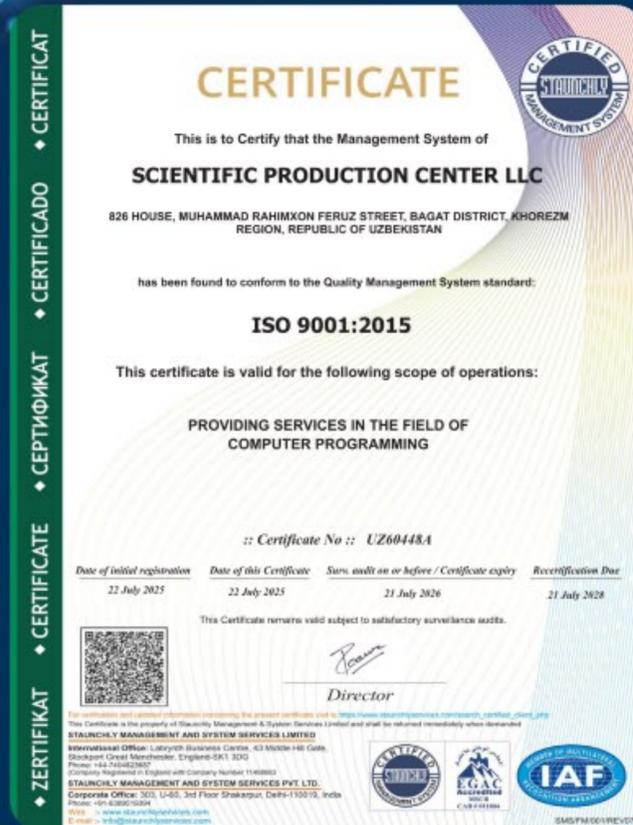
Quality Management System Standard



Environmental Management System Standard



Information Security Management System Standard



ISO 9001



ISO 14001



ISO 27001

"Scientific Production Center" LLC has been awarded international **ISO 9001:2015**, **ISO 14001:2015**, and **ISO 27001:2022** certificates by an organization recognized in the international IAF database. This indicates that the company's products are manufactured in accordance with international standards.



ABOUT THE MANUFACTURER



The Scientific Production Center "Real" has been issued Certificate No. MGU 59005 for the trademark and service mark by the Intellectual Property Agency under the Ministry of Justice of the Republic of Uzbekistan, valid until 27.05.2025.



Three enterprises operate under the "Real" scientific production center brand. The first is "Scientific Production Center" LLC. The second is "Knowledge and Development" LLC. The third is "Global Soft and Hardware" LLC. The projects presented in this album are being showcased by "Scientific Production Center" LLC.

RESULTS IN NUMBERS:

- Number of copyrights obtained by employees of the enterprise: 18.
- Employees awarded the "Leader of Innovative Ideas" badge: 2 individuals.
- Number of victories by the enterprise and its employees in national-level competitions: 23.

Enterprise name: Scientific Production Center LLC.

Established: January 15, 2016.

Address: Republic of Uzbekistan, Khorezm region, Bogot district, A.R. Beruniy Neighborhood, Muhammad Rahimxon Feruz Street, House 826.

Main type of activity: software production.

TIN: 303725280.

Bank: JSCB "Uzpromstroybank" Khorezm Regional Department.

MFO: 00440.

US Dollar (\$) Account: 2020 8840 2005 6533 8001.



Number of victories by the enterprise and its employees in regional-level competitions: 37.

Number of state and private organizations where software products developed by the enterprise have been implemented: 51.

The data is current as of July 2025.

37



CONTACT US



 www.vr.uz



 [@realvr0101](https://www.youtube.com/@realvr0101)



 [@realvr.uz](https://www.facebook.com/@realvr.uz)



 [@realvr_uz](https://www.instagram.com/@realvr_uz)



 [RealVr Uz](https://www.linkedin.com/company/RealVr-Uz)



 [@realvr0101](https://www.x.com/@realvr0101)



 [@realvr0101](https://www.telegram.com/@realvr0101)



 [WhatsApp](https://www.whatsapp.com)



 [WeChat](https://www.wechat.com)



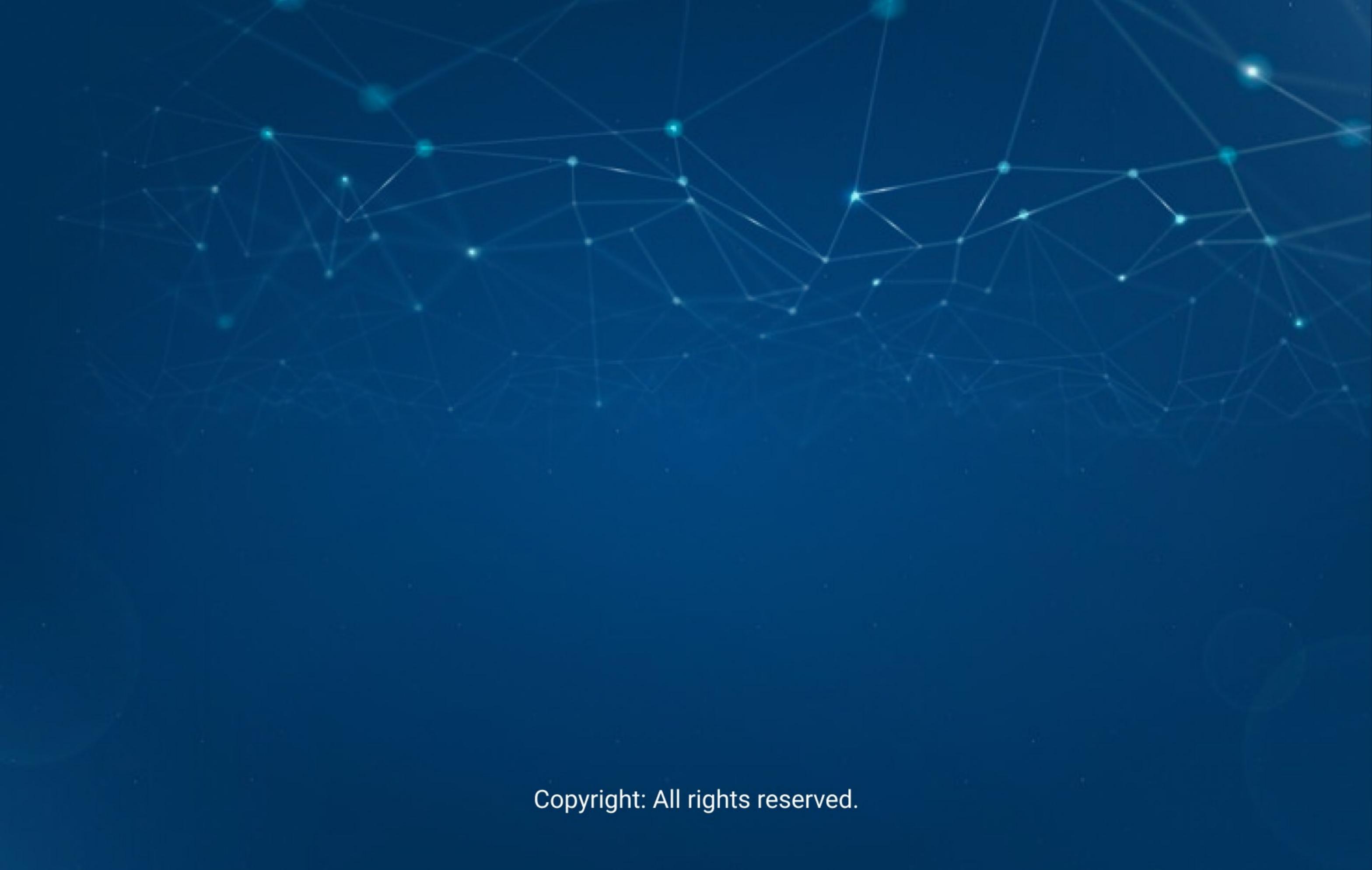
 [@vrreal0101](https://vk.com/@vrreal0101)



 [@Real VR](https://www.instagram.com/@RealVR)



 info.realvr@gmail.com



Copyright: All rights reserved.