



MINISTRY  
OF HIGH-TECH INDUSTRY  
OF THE REPUBLIC OF ARMENIA

**VIVA** JUNE 15-18  
2022 PARIS  
**TECHNOLOGY**

# ARMENIAN STARTUPS IN VIVATECH 2022

The delegation of the **Ministry of High-Tech Industry of the Republic of Armenia** will participate in the "VivaTech-2022" - Europe's biggest startup and tech event with a joint "ARMENIA" pavilion. The event will take place from **June 15 to 18 in Paris**, French Republic.

The delegation includes **9 local companies** with a lot of potential as well as other visiting startups looking for new international partnerships.

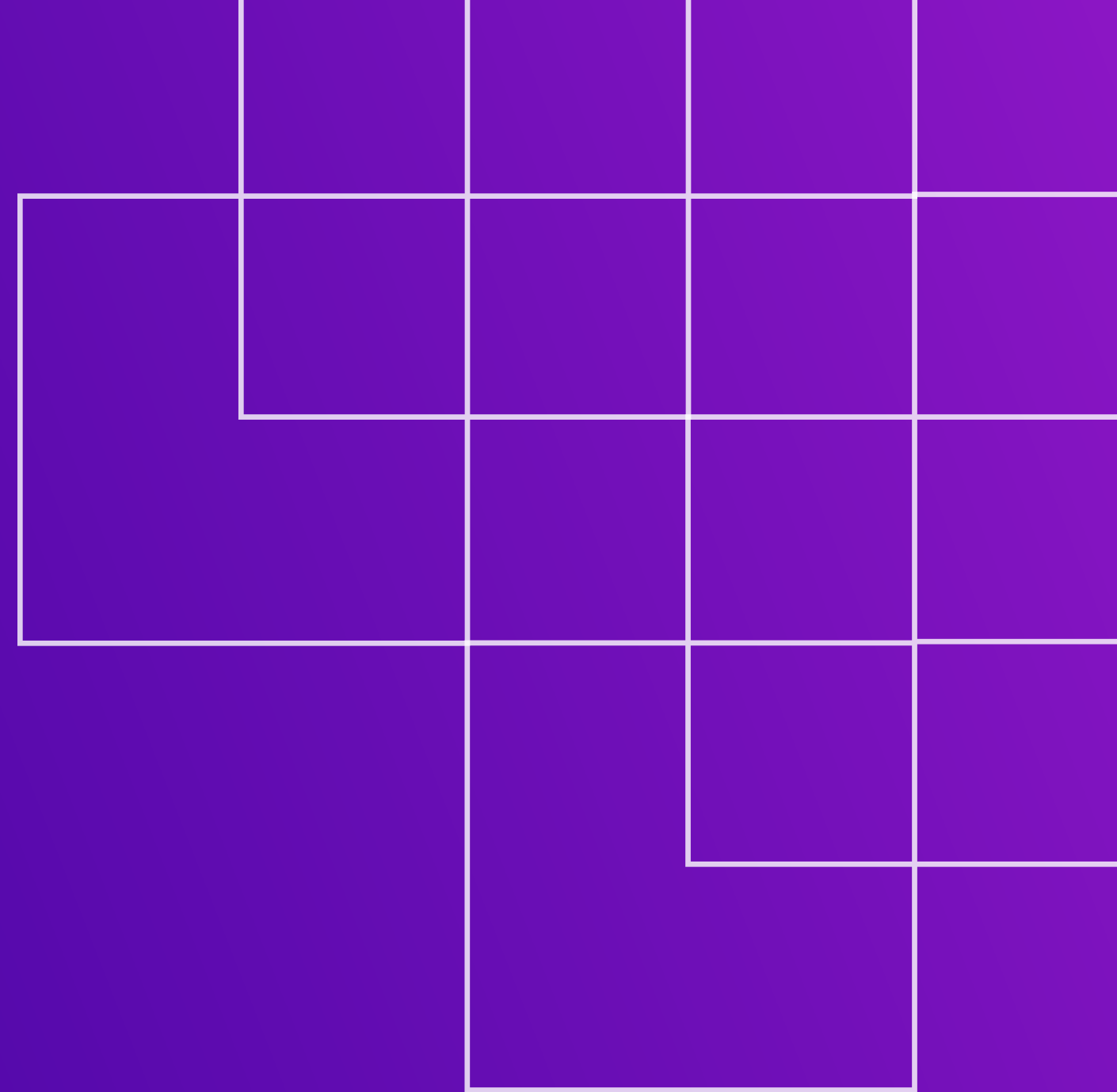
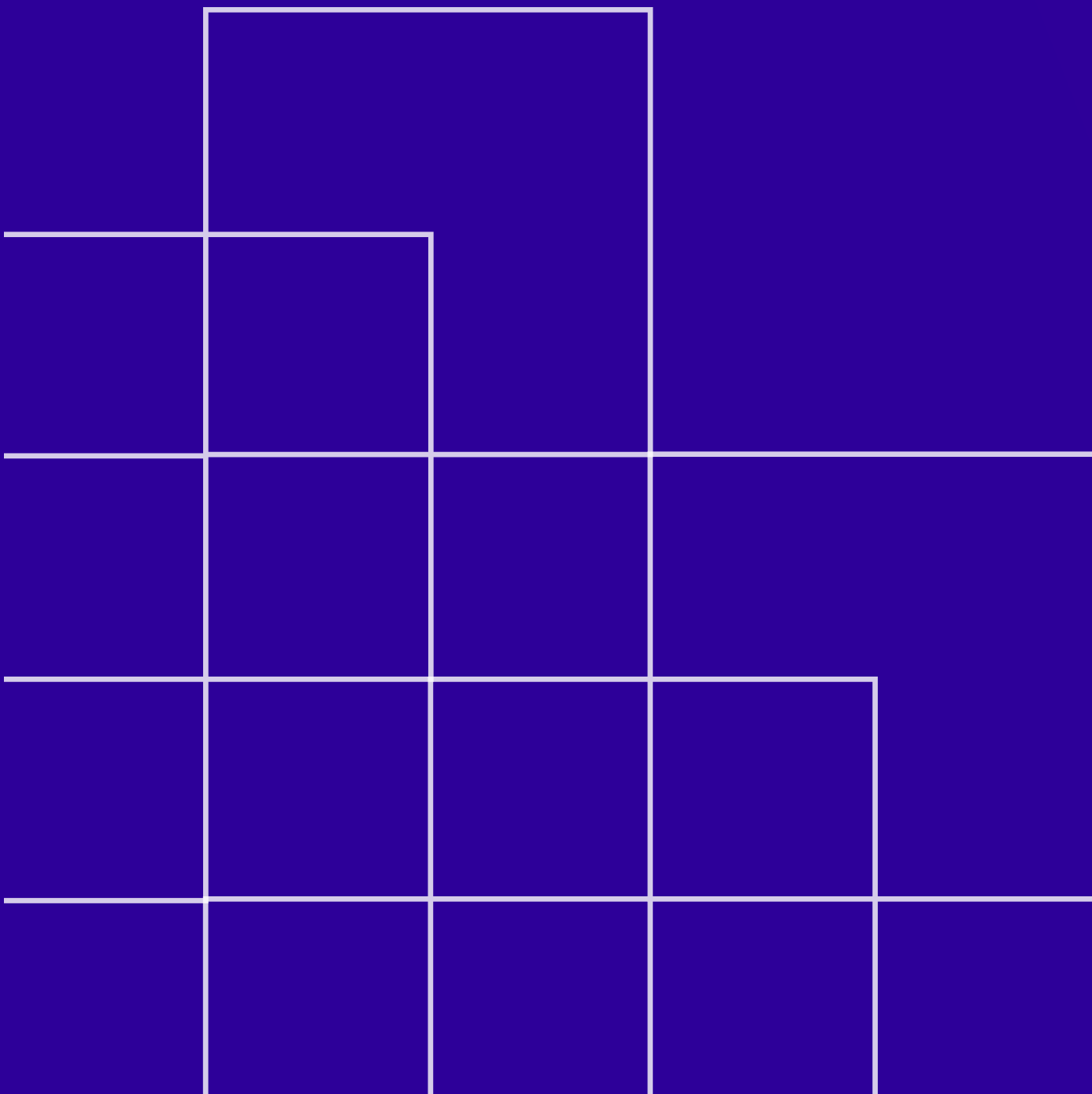
Welcome to

**ARMENIA** Pavilion N° JO1





# EXHIBITORS





## MOBILE PRODUCT DEVELOPMENT COMPANY

**Addevice** is a mobile product development company with a focus on solutions for startups and enterprise companies. We know how to transform business ideas into IT products that do work and help you grow in a dynamic market. Over the past 8 years, we have built and transformed over 70+ businesses through strategy, design and development.

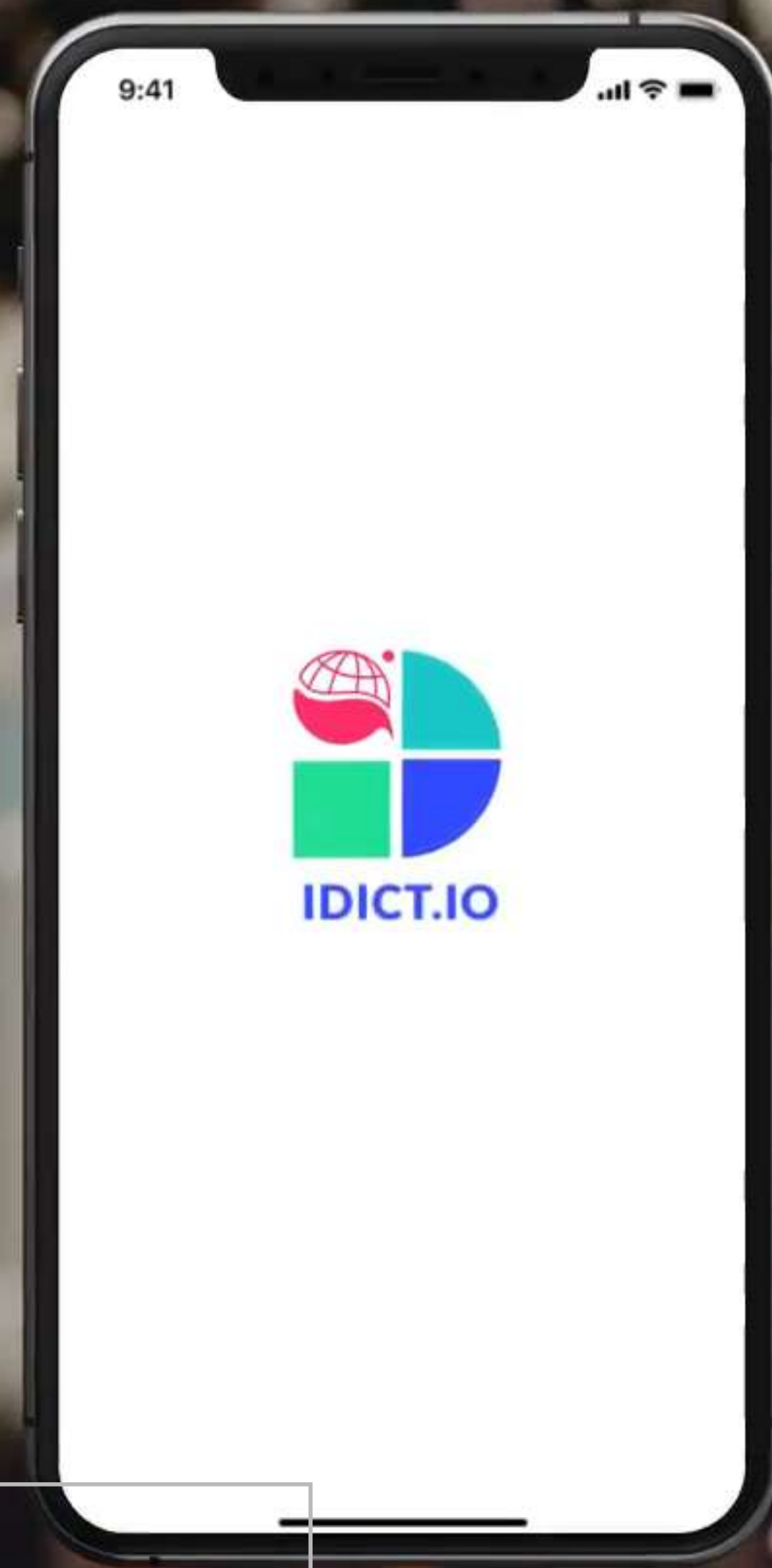
We pursue our vision of a thriving company "with a human face" – made up of good people making good software. This is what makes us a reliable IT partner, committed to helping our clients reach their goals and business objectives.

### iDict

iDict is a real-time language translation and communication app based on machine learning. The app offers a few features, such as iDict Converse and Typeright, an AI-powered writing assistant.

### Varpet

Varpet is the on-demand home and personal care marketplace that connects clients with local handypersons. Users can choose the service they need, select their location, date and time when the work should be done, pay for the services and rate the work done with a few clicks.







## CUSTOMER FLOW MANAGEMENT SOFTWARE

**Earlyone** Customer Flow Management Solution is created with a mission to save time people waste in queues, help businesses offer excellent customer service, and earn their loyalty.

The components of the solutions are designed with a focus on eliminating the reasons for queues and poor customer service: long waiting time, misallocation of resources, and employee inefficiency.

With Earlyone solution, businesses can **reveal and optimize** inefficient resources, reduce time, operational costs, and human efforts spent on organizing the service process, and increase customer LTV by making customers loyal.

A core component of the Earlyone solution is a mobile platform with a unique algorithm that estimates the time when the customers can get served without waiting.

It's an **easy-to-use** and intuitive application that both businesses and customers love. The former love it as it helps them avoid crowding in premises (especially actual in Covid times), and the latter - for saving their time.

Another component of Earlyone solution is a toolset aimed to **track and analyze employee performance** both in real-time and historically. By analyzing the data businesses can assess employee performance by several parameters, including the number of services the employee served within a set period of time, average serving time (with a breakdown by service, and compared with other employees), employee working hours breakdown by statuses describing whether the employee was serving, waiting for the client, was idle, busy with another task or left for the break, etc.

Earlyone Customer Flow Management Solution is used in more than **45** banks, telecommunication companies, healthcare organizations, and government agencies in 9 countries.







## 3D SCANNING AND ANIMATION

"**Osensus Arm**" LLC Founded in 2019, it has 11 employees, is a beneficiary of state support in the field of information technologies. The company specializes in 3D scanning, digital modeling, software, hardware and augmented reality environments development.

3D Scanning is a technique used to capture the shape and the surface color of an object using a 3D scanner. The result is a 3D file of the object which can be saved, edited, and even 3D printed. Full-body 3D scanner based on photogrammetry technology developed by Osensus can scan adults, kids, pets, couples and small families at once.

**Photogrammetry technology** was chosen for the body scanner as its primary advantage is the possibility of taking all necessary data in a fraction of a second by taking multiple photos. All that's required are cameras, a computer, and the correct software. Sometimes there could be some artifacts and defects on resulting 3D models. These issues have to be corrected, cleaned before using 3D models. For these purposes, "Osensus Arm" provides manual cleaning services as well.

**The scanning process** is controlled by the software developed by our company. It provides such functionalities such as controlling the scanner, processing scans automatically, creating Web and AR previews by uploading 3D models to hosting servers and sharing them with customers, creating a product from a 3D model inside an online Shop, AI-based rigging for automated animations.

Our main customers are companies engaged in 3D scanning, which scan their visitors and automatically receive their 3D models through the **3D scanner** and software provided by us.

# 3D FASCINATION





# doodooc.com

## GENERATIVE MUSIC VISUALIZER

**doodooc.com** is a generative music visualization platform that empowers music creators to make highly customizable sound-reactive visualizations based on deep music analysis.

- **300+** unique visualization templates
- **11** layers of music analysis
- **Customizable** features
- **Up to 8K** resolution

**doodooc.com**'s visualizations are fully synchronized with the audio and reflect the loudness, frequency spectrum, and rhythm of the music.

Due to its **customizable resolution**, visuals rendered on doodooc.com can fit the video frame format of any social media platform and any non-standard LED screen during offline performances.

Our generative audio animation templates are based on complex math and coding, making them as unique as **NFTs**. Creators can present their music in the world of **NFT, Metaverse**, and other **virtual** worlds.

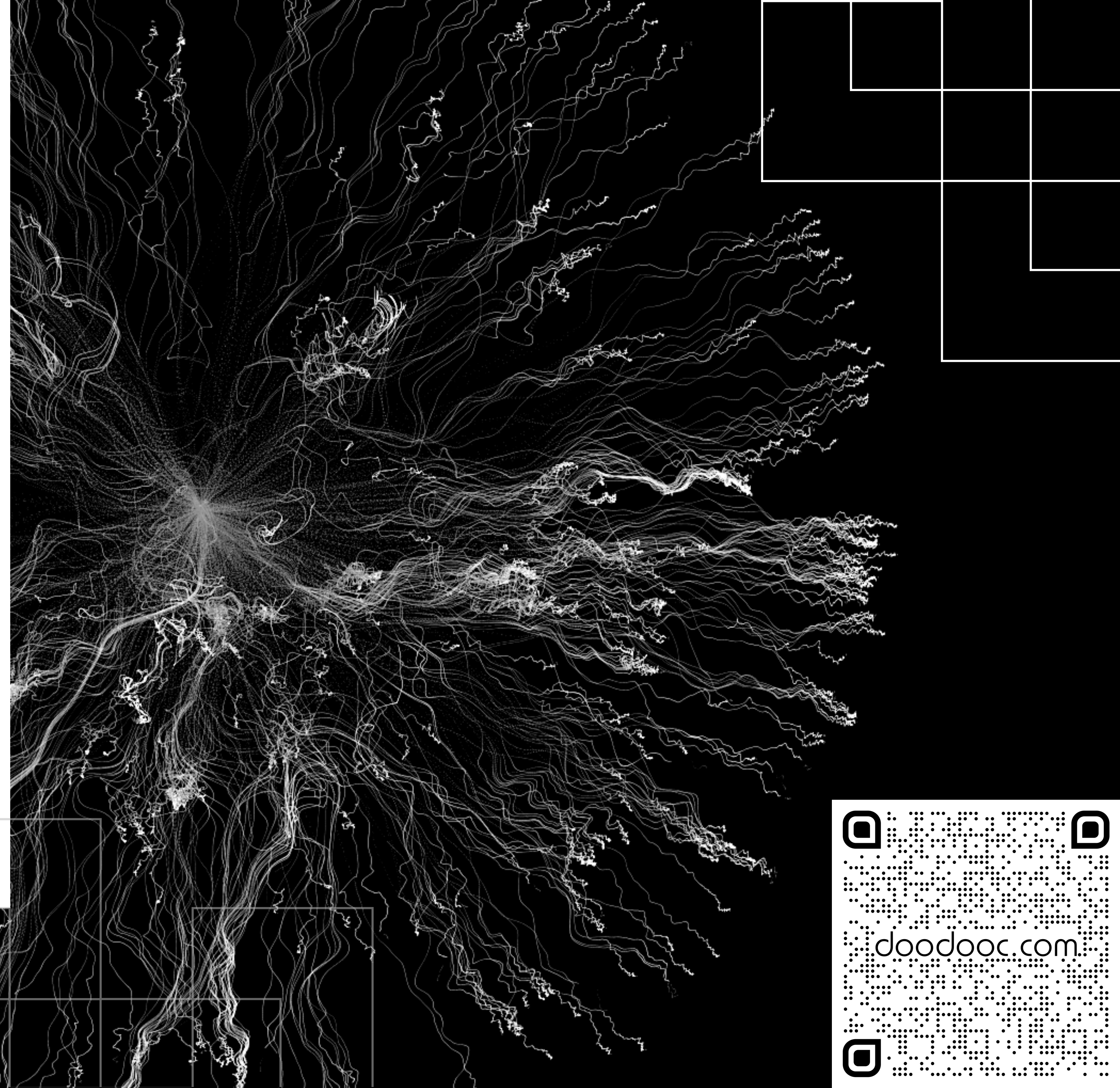
What's more...

**Real-Time Visualization** technology:

Due to unique technology, the visualizations will react to the music played on the stage in real-time, with the same depth of music analysis and a perfect reflection of sound properties.

**doodooc.com** is on its mission to bring more value to music creators through innovative and easy solutions.

**doodooc - let the audience see your music!**







## NETWORK SOFTWARE SOLUTIONS FOR BLOCKCHAIN

### Product

**rBlox** is a B2B Software Solution, providing a disruptive non-IP network software for a fast, secure, and energy and cost-efficient solution for blockchain customers. Given current blockchains reliance on a nearly 50-year-old network architecture (TCP/IP), rBlox is an inherently secure, less latent and energy efficient network layer solution.

rBlox provides a disruptive network technology helping companies operating in the blockchain space to improve operations and increase revenues through optimized energy savings and speed of transactions.

The proprietary network layer of rBlox is interoperable and customizable to any existing non-PoW blockchain solution.

rBlox provides three essential products:

**Plug-In:** Network software plugin solution for existing private and decentralized blockchains.

**Full Stack:** Full blockchain integration and maintenance service provision for private companies.

**BaaS:** Cloud/server based blockchain solution hosting clients' digital products.

### Unique Value Proposition

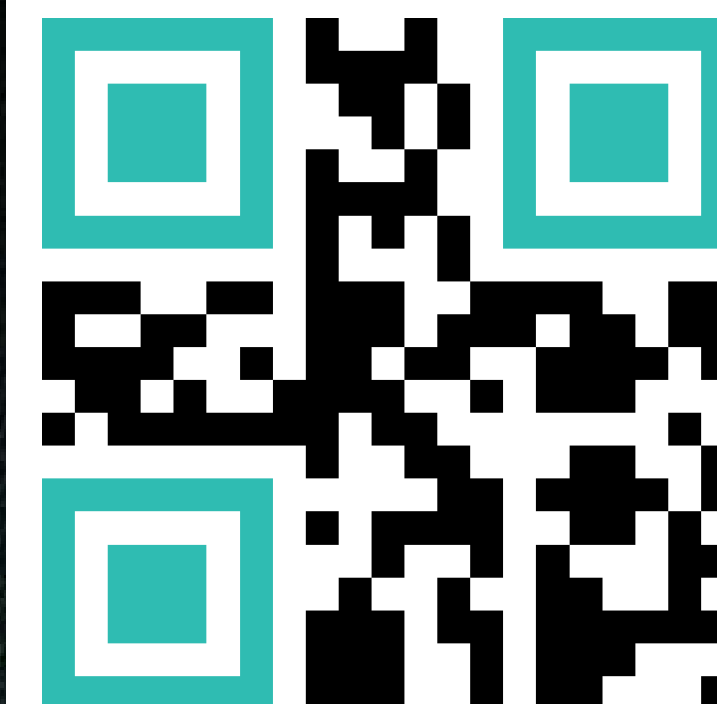
The rBlox software plugin easily replaces the network library of a blockchain code with the click of a button, instantly making it substantially faster and more energy efficient through smaller routing tables and unique addressing.

Upon integrating the rBlox software plugin, blockchain platforms acquire:

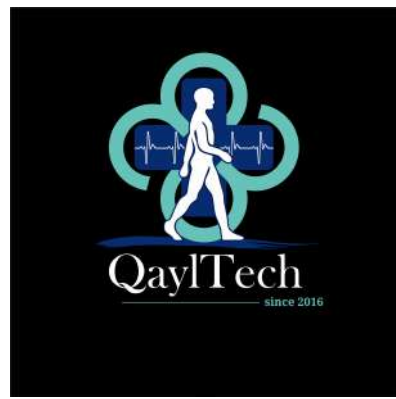
1. 30% Faster Transactions
2. 10-15% Energy Savings
3. 45% Reduced CPU Usage

Above numbers are based on average results and vary according to the type of blockchain (i.e. PoS, PoA, etc.).

The entire blockchain and corresponding nodes can be quickly updated and optimized with the rBlox software.







# MetaGait

beyond the rehabilitation

## INNOVATION, CYBERSPORT, METAGAIT

**MetaGait** is an innovative mobility rehabilitation device that imitates patients' gait, preventing at least 30 different diseases caused by immobility. MetaGait enables **remote rehabilitation** via special sensors, creates a **virtual environment**, constantly adapting to the patients' needs, helps to form new neural connections in the brain, activating muscular memory.

MetaGait device helps **restore the mobility**. Promotes a **functional gait** pattern development in children with cerebral palsy. Allows the use in a vertical position. Enables patients to do **physical therapy at home**, and doctors can **remotely** track the therapy. Includes sensors to collect data on **number of steps, distance, and calories burnt**. Solves the issue of socialization lack. Through the therapy one can play VR games with other players. Ensures entertainment during the therapy. Includes VR games that activate the **muscular memory of the brain**, and form new neural connections. Game scenes are adapted, depending on the muscle group the patient needs to work on.

MetaGait is patented.

The device was presented in the «**Arab Health 2022**» at the medical equipment exhibition in UAE and attracted great interest from visitors from the USA, UAE, India, Middle East, EEU, and Europe.

Nowadays, the initial version of the device is used in various rehabilitation centers in Armenian market.

The device has a dynamic effect on the musculoskeletal system, reduces the risk for osteoporosis, stimulates the respiratory system, improves blood circulation, prevents urinary tract infections and degeneration, and improves joint mobility and the psychological and emotional state.







## ALL-IN-ONE BRANDING PLATFORM

**Renderforest** is revolutionizing the world of digital branding by combining all the necessary tools in one platform. With one single subscription, everyone can create high-end videos, animations, mockups, graphics, presentations, and even a professional website.

### Our advantages

- Unlimited possibilities
- Easy-to-use tools
- No technical skills needed

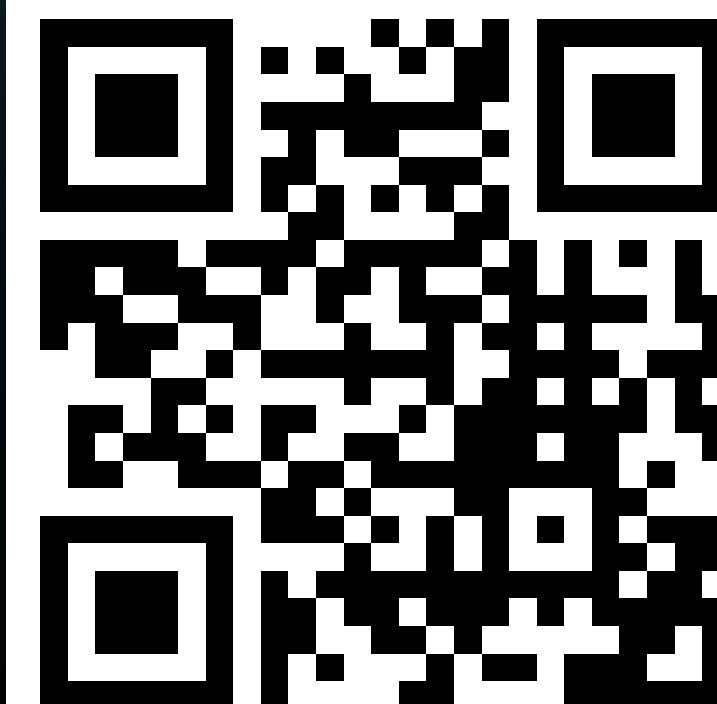
Renderforest has over 15 million users worldwide and provides time-saving growth marketing tools to succeed.

**15mln+** creators  
**50mln+** created projects  
**5000+** positive reviews

The mission of Renderforest is to make successful branding affordable and available for everyone.

Renderforest puts quality at the core of everything, and that reflects not only in product but also in the team spirit and collaborations.

Visit us: **[renderforest.com](https://renderforest.com)**





## BIOMEDICAL ENGINEERING AND ROBOTICS

"**ArmBionics** is developing complete solutions for upper-limb challenged people through cutting-edge research and technology to assist them in their integration process into society. Our goal is to revolutionize the field by providing an all-encompassing solution, modern, high quality, and affordable products developed through our in-house R&D solutions.

**The main mission** of ArmBionics is to research and develop rehabilitation and assistive technologies, create state-of-the-art upper limb prostheses, and provide a holistic approach to people with upper limb amputations including both physical and psychosocial support.

We have **developed several models** of upper limb prostheses that help to solve mobility problems caused by partial or complete amputation of the arm. The main competitive advantage to the existing products is the human-centric approach and technological innovations that allow the user to manage the prosthesis intuitively and perform basic movements.

### **Myoelectric Arm**

The myoelectric arm will eventually be the star product of ArmBionics, not only due to its overall functionality, but also due to its potential to be our most lucrative product. It operates by interpreting EMG signals from active muscle groups of below-elbow amputees. Our future Myo-Hand will be intuitively controlled with a Integrated feedback system, highly durable and transformable.

### **Mechanical Arm/Hand**

This product operates by employing the physical movement of the elbow/wrist joint to operate the prosthetic hand by utilizing a lever effect. Through connected strings, the mechanical movement of the arm will allow patients to grasp and release objects through the bending of their elbow or wrist.

### **Part-Hand**

Part-Hand prosthetic was created for patients who have lost one or multiple fingers so it's the most customized model. Currently we are using a mechanical control system for it."







## GLOBAL HIRING SOLUTION POWERED BY AI

**Hirebee** is an all-in-one hiring solution for local, remote and global hiring. Hirebee comes armed with future-proof AI powered capabilities to help businesses source and hire the best talent, increase hiring team productivity with cross-functional collaboration tools, significantly improve candidate experience to a new level, promote employer brand and track success with state-of-the-art recruitment analytics package.

While Hirebee uses cutting edge technology to provide the best ever experience, we also deeply value human touch and strong advocacy for customer success.

### Some of the features our customers love

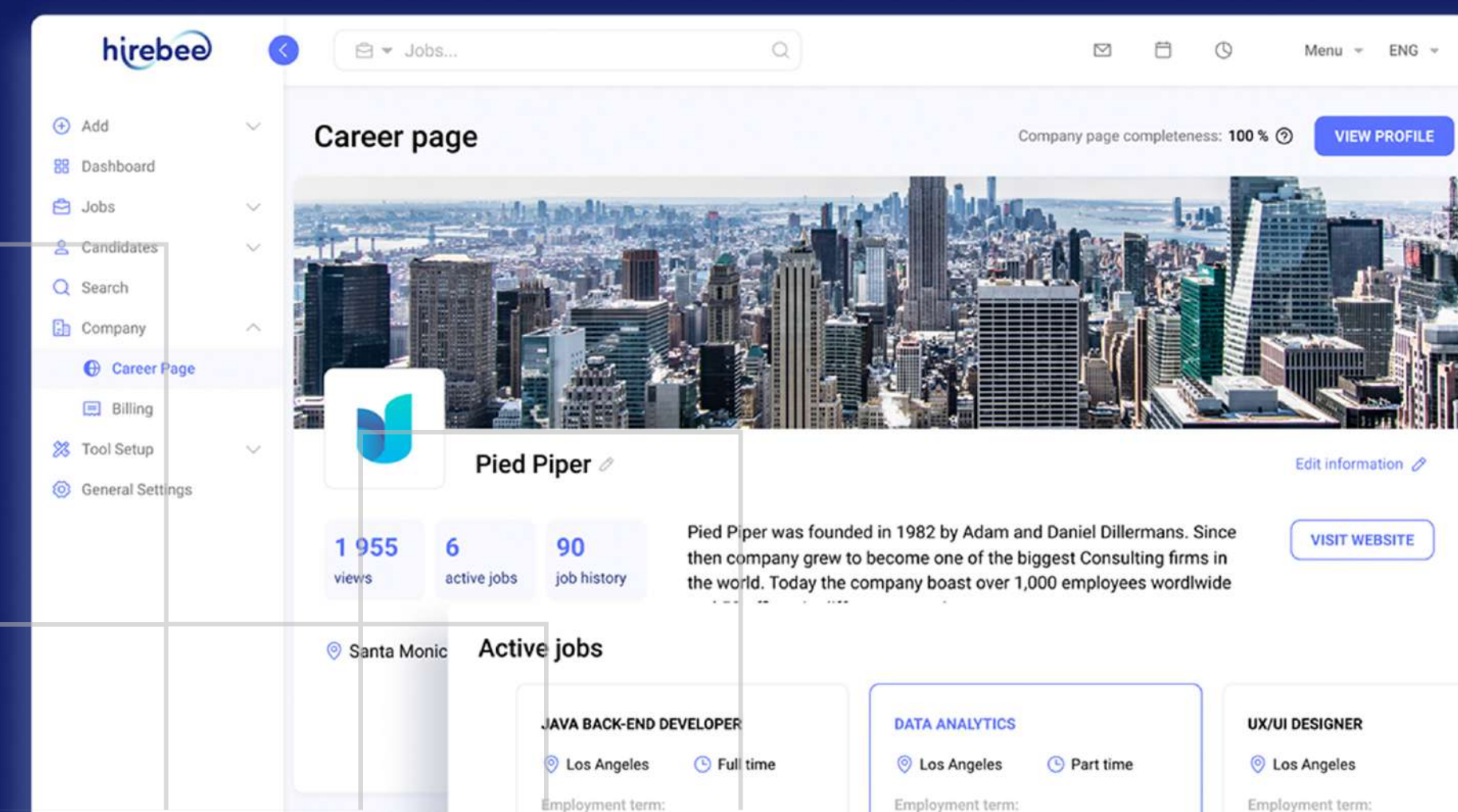
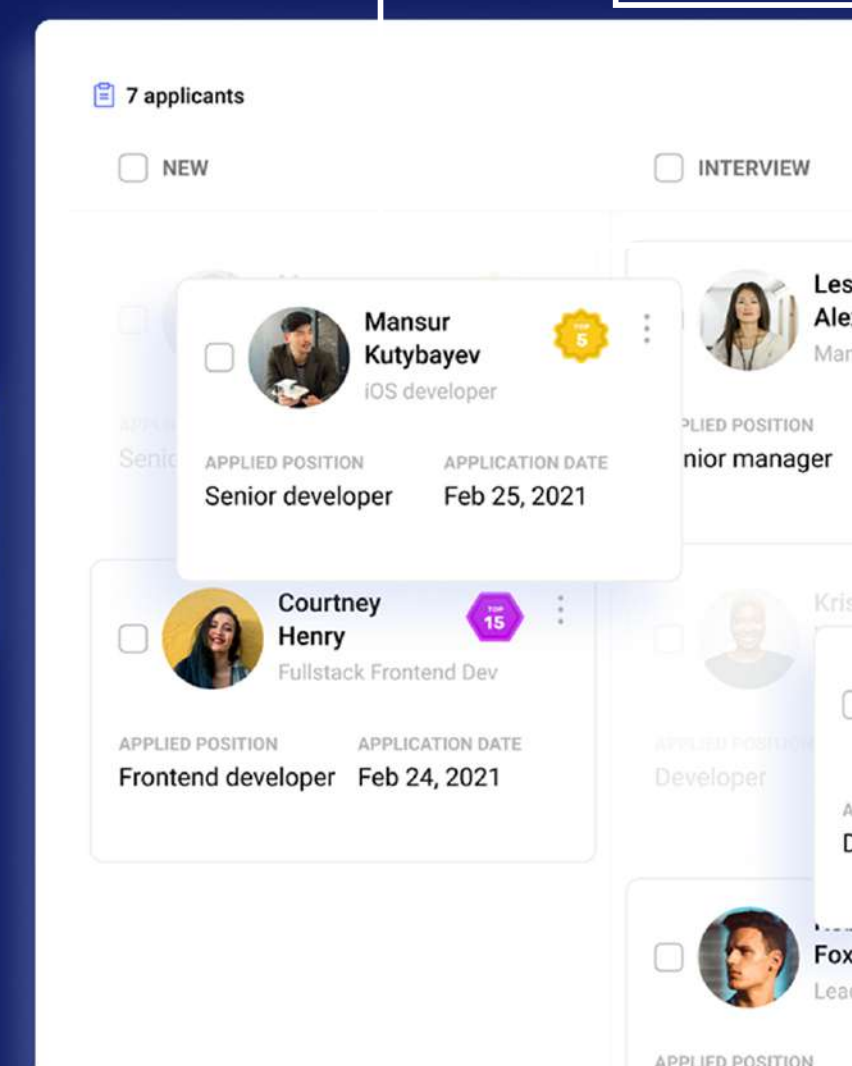
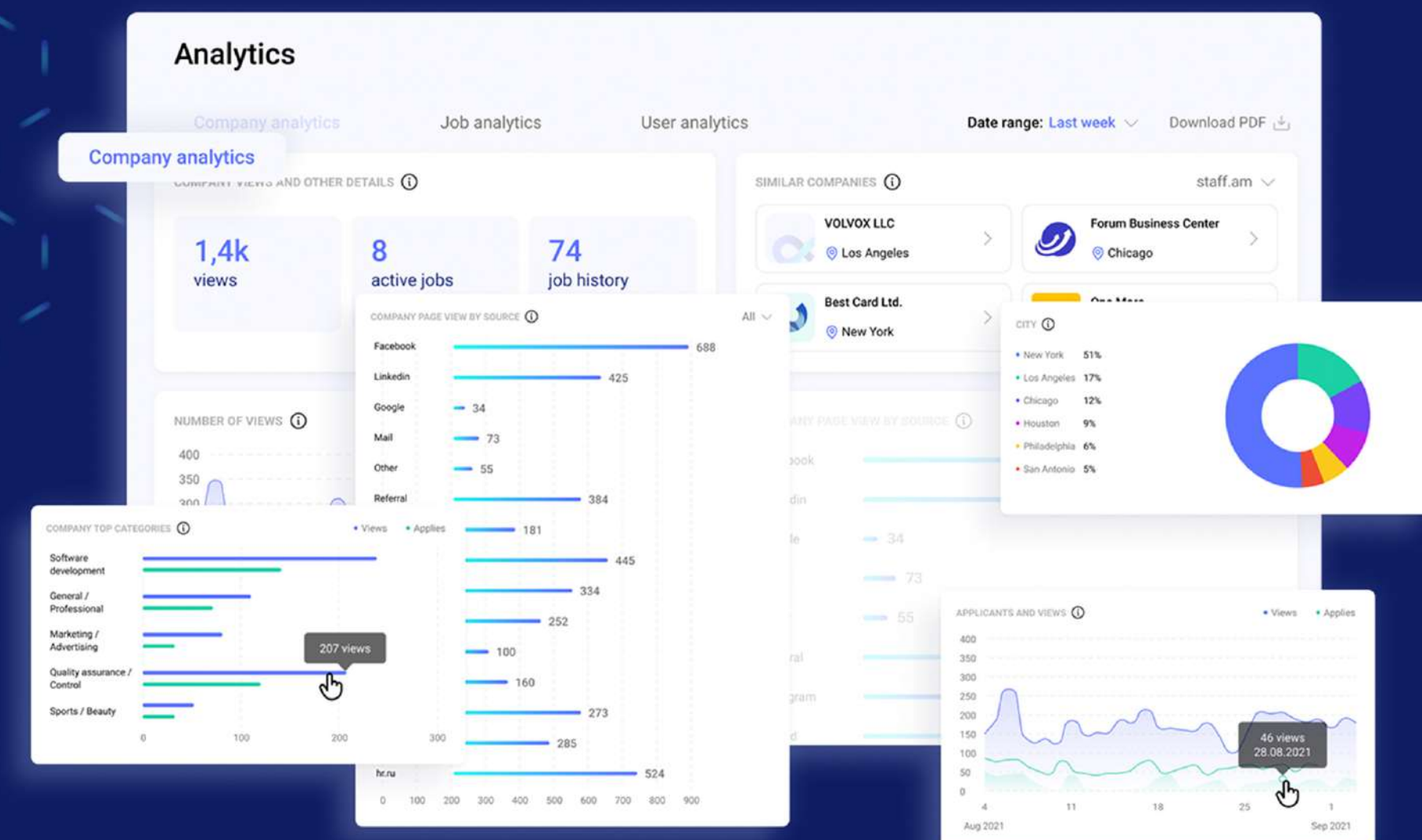
- Fully automated end-to-end hiring from job requisition to job offer.
- GDPR compliant applicant tracking and candidate relationship management.
- Artificial Intelligence powered candidate screening to eliminate bias and save significantly on manual work.
- Multi-level user hierarchy and collaboration tools to manage complex hiring teams.
- Cross-platform integrations with leading social platforms, job boards, video interviewing tools and other related services.
- Built in tools to create an appealing career page and collect applications with a fully customized workflow.
- Advanced analytics to track company visibility in the market, identify the best conversion channels and track hiring effectiveness.
- Full scale customer support through phone, online chat, help-center and email.

### Our customer geography

Hirebee boasts a diverse customer base spanning over 4 continents. From VC-backed startups to large corporations, Hirebee helps many businesses to have a modern, future-proof, efficient hiring process in place. Experience Hirebee with a 14 day free trial today.



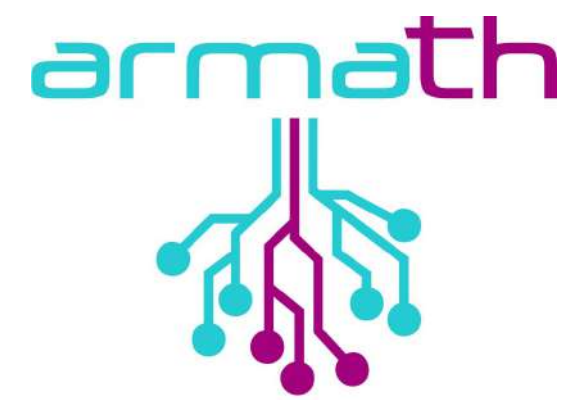
## AI POWERED GLOBAL HIRING SOLUTION





**VISITORS**





UNION OF  
ADVANCED  
TECHNOLOGY  
ENTERPRISES

## INFORMATION TECHNOLOGY AND STEM EDUCATION

The Union of Advanced Technology Enterprises (UATE) is a non-government, non-for-profit entity of IT and High-Tech companies, multinational corporations, organizations and institutions operating in Armenia. Established in 2000, UATE, as a business association to represent the collective interests of companies in the fields of Information Technology (IT), Information and Communication Technologies (ICT) and High-Technology operating in Armenia. UATE unites national and international organizations operating in Armenia that are involved in software, Internet Technologies, e-commerce, IT research and development, semiconductor technology and other specialties. A number of members occupy leading positions in the global market. In contrast to many similar business associations, UATE's mission has always been broader than the narrow interests of its member companies. As such, UATE has worked closely with the government of Armenia, and scores of private, international and non-profit organizations to promote the development of the ICT sector in Armenia by focusing on education, digitization of society, promotion of Armenian technology via flagship programs such as Armath Engineering Labs, DigiTec, and Why Armenia.

Armath Engineering Laboratories is an engineering education program created and managed by the UATE. Since 2014, Armath labs have been implemented in more than 620 schools and centers in Armenia, Georgia, Bangladesh and India with more than 18000 students engaged.

In Armath Engineering Laboratories kids aged 10-18 are introduced to science, technology, engineering, and math (STEM) education through interactive after-school classes, exciting competitions, innovative camps and more.

Our young engineers are given the opportunity to design, build, test, and improve their own creations in a safe and fun environment while making new friends and creating startups.







# GOTCHA

## SAAS, AI PRODUCT

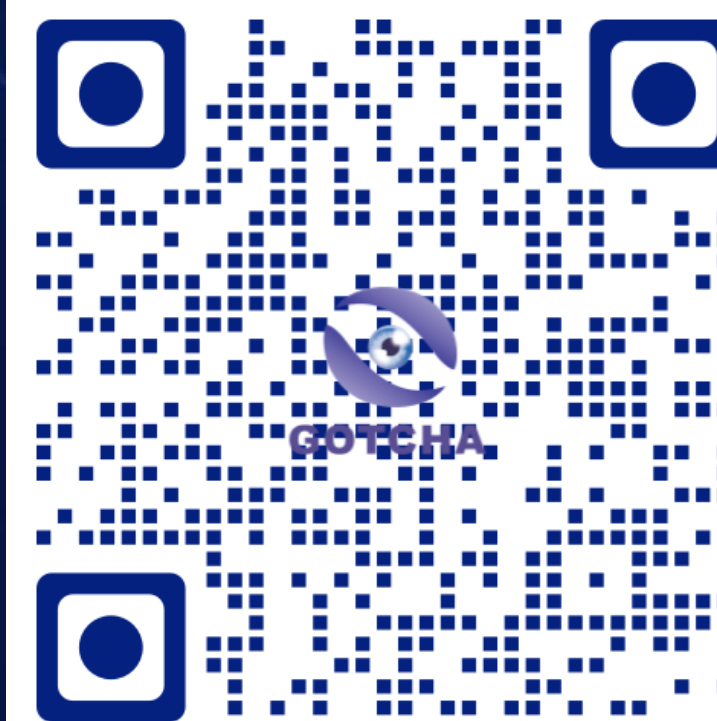
GOTCHA is a computer-vision based technology that detects the micro-emotions through the analysis of the human facial behavior. It is fully based on the behavioral science research.

Our product has 2 value propositions – **INVESTIGATORY** and **EVALUATIVE**, based on which we have developed different types of solutions.

The idea of the **EVALUATIVE** value prop is the following: ESTIMATING THE EMPLOYEE (customer service officers) PERFORMANCE BY EVALUATING AND ANALYZING DETECTED EMOTIONS OF THE CUSTOMERS SERVED BY THEM. This business concept is used in the **GOTCHA fit** model. The use cases and buyer personas of this model are the HRs and Heads of Customer Service in different industries.

The idea of the **INVESTIGATORY** value prop is the following: HELPING TO DETECT FRAUD (at the enterprise level) AND CRIMES (in the lawsuit management and legal services) BY UNMASKING THE HUMAN FACIAL HIDDEN MICRO-EMOTIONS DURING INTERVIEWS. This business concept is used in the **GOTCHA** model. The emotion library of this model includes (in addition to the basic emotions) those emotions that can be interpreted as “possible deception cases”.

The use cases and buyer personas of this model are the Heads of the Risk and Compliance Management, Internal Auditors in medium-to-bug enterprises, Investigators in Lawsuit Management and Legal Services.







## BIOENGINEERING

Foldink is a biotechnology company that provides ready-to-use hydrogels suitable for 3D Bioprinting and tissue culture. Featuring high cell viability and printability our biomaterials are designed to be versatile and compatible with different bioprinting machines to fit the research needs of every researcher to implement reproducible experiments.

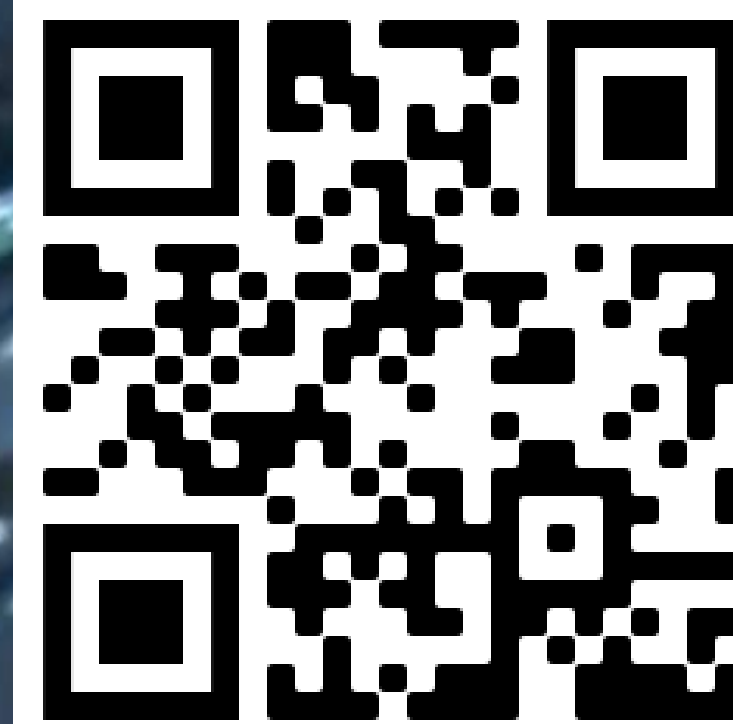
We use clinical-grade and pure raw materials in the manufacturing of bioinks and hydrogels for tissue engineering avoiding batch to batch bias. Foldink provides customer-oriented service in bioink design, letting our customers choose custom compositions of hydrogels by themselves and helping them to change the world with this cutting-edge technology - 3D Bioprinting.

Also, Foldink offers basic mechanical extrusion bioprinters to newly-emerged laboratories and supports converting desktop 3D printers into basic 3D Bioprinters.

Foldink is a team of researchers, physicians and entrepreneurs. Our team members have years of experience in cell culture, biomaterial engineering and 3D printing. Of course, we go ahead with the kind support of our strong scientific board consisting of international professionals.

Our mission is to make 3D bioprinting research accessible to every scientist in every corner of the world by providing high-quality and customizable biomaterials.

Foldink envisions the clinical application of lab-grown tissues and organoids as an irreplaceable part of future regenerative medicine and drug discovery.







# GEBECERT

## DIGITAL AUTHENTICATION, ANTI-COUNTERFEIT, BLOCKCHAIN

GebeCert is a solution aiming at the distance validations of physical items. The high volume of counterfeit products in the market, starting with wearing apparel up to the counterfeit medicine, is clear evidence of the existing issue and its volume. Another issue of distance validation is document/identity validation. According to the results of different international analyses \$1,5 trillion of counterfeit products are produced annually, some of which, being dangerous and of poor-quality, cause more than 1 million deaths. These figures tend to increase annually and the volumes are expected to double within 10 years. Certainly, in some cases consumers willingly buy counterfeit products, but the percentage rate of those people does not exceed 11% in developing and developed countries. So what should the other consumers do? GebeCert Distant Validation system offers a distance validation solution and confirmation by means of RFID and BlockChain technologies.

The solution suggests using blockchain and RFID (NFC) chips by attaching them to physical objects, after which the consumer scans the chip with the use of our special mobile application. Upon receiving the information, GebeCert Distant Validation system checks the validity and provides the consumer with the additional information about the product through the application. Currently, holographic signs, QR and BARcodes are used for the protection of products, which only seem to provide security. GebeCert suggests a solution considerably exceeding the existing validation tools and still remaining in the same price range (in average 0.05-0.15 USD). In addition to the protection, the solution suggested also creates additional value for the customers, since by obtaining information while scanning, it gives us the opportunity to analyze it. These data have the potential to increase the sales volume of our customers' products and help understand the real figures and characteristics of the market.



# GEBECERT







## HARDWARE DEVELOPMENT FROM DESIGN TO PRODUCTION

Nairi-Tech is a custom engineering service provider company founded in 2012.

The company covers wide range of engineering services:

1. Design, development and manufacturing of:

- Varying complexity pcbs
- Internet of things
- Complex software and hardware systems
- Automated testing systems
- Scada systems
- Laboratory and educational-research complexes.

2. Integrated automation of industrial and production facilities.

Company vision is fully meet the expectations of our customers by providing a high quality, affordable service or product within shortest period through the use of professional potential of certified specialists and engineering staff of the company.







**oqni**

## MEDTECH, AI, HARDWARE

We are an Armenian-based NGO founded by an interdisciplinary team of Diasporan Armenians across the US, Canada, France, UK, Germany, and Armenia.

Our mission is to develop advanced mental health solutions and bionics to empower the amputee community. We are driven by a holistic approach focusing on both psychological and physical empowerment; while also creating a public good by training and educating students, veterans, and amputees.

oqni's initiative grew out of necessity as a result of the recent war in 2020; this added to an already relatively high number of amputees (~5,000), a lack of modern technology, complete neglect of mental health, and limited funds available.

We are determined to create AI-driven bionic prosthetics and engage in collaborative research and development. We are driven to employ our solutions in amputee communities across the world.



**oqni**







## OUTFIT PLANNING, WARDROBE MANAGEMENT AND SMART SHOPPING

On average, people spend approximately 110 hours a year choosing an attire, according to a poll by Marks and Spencer. Meanwhile, it takes 20 hours to master a new skill, according to the “power of law” phenomenon and Josh Kaufman’s “The first 20 hours” book.

This makes giving up 5 new skills in order to wear clothes to work.

Schaff is a personal AI Stylist, which saves the time and effort needed to choose, match and even buy clothes for the daily routine.

This online wardrobe makes suggestions taking into account the person's age, gender, style, season and outfit history. To create your online wardrobe, just download the app, capture clothes from your wardrobe, or choose from the suggestions on the app, and voila!

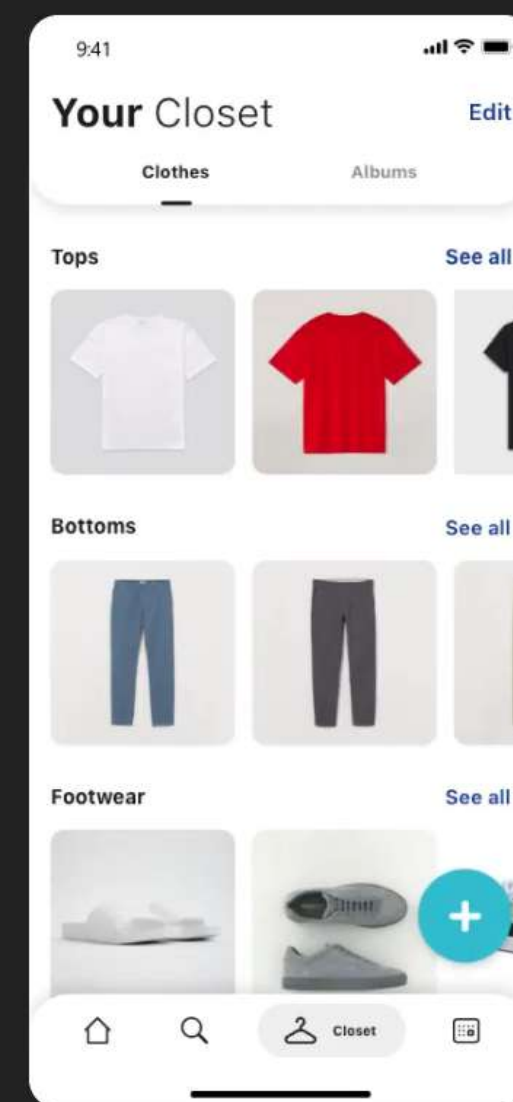
- Get instant outfit sets for any occasion
- View recommended shopping options
- View statistics about your styles, colors on each clothing type, frequently worn pieces...
- Share your online wardrobe with friends, and track theirs, too.
- Get inspired and inspire your friends by sharing daily looks!

We created this AI-based mobile app to save people time to spend on their goals and dreams or be with their loved ones, while Schaff mixes and matches, buys and orders their wardrobe.

Shcaff is now available for iOS devices and will be available for Android very soon.

Find Shcaff on App Store and have a personal AI-stylist on your phone!

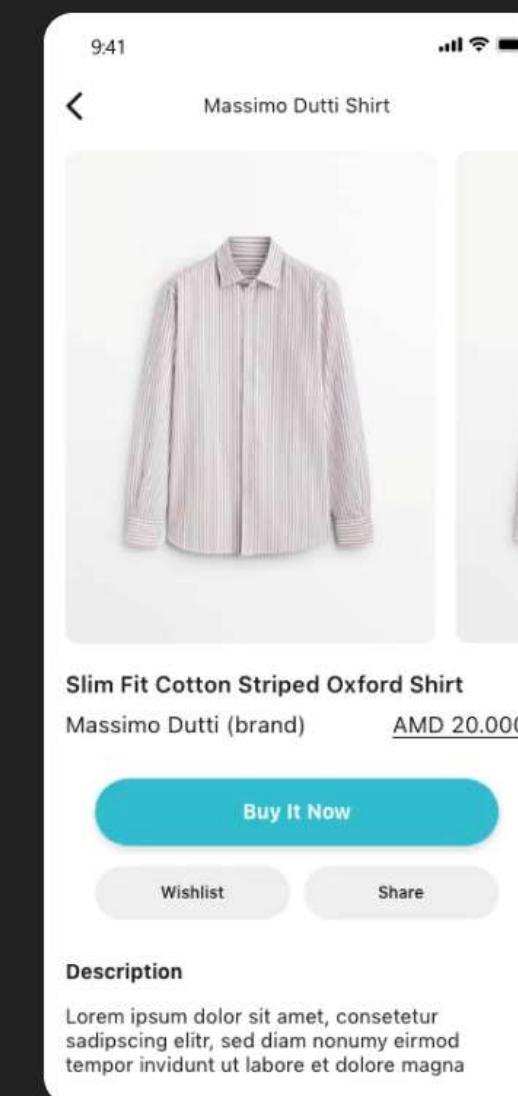
## Choose



## Match



## Buy







## VIRTUAL EXPO PLATFORM

Vexpo.center is a unique platform that unifies expos in one place giving users the opportunity to visit and explore their favorite exhibition anytime, from anywhere. Using cutting-edge technologies our startup is creating the virtual replicas of any exhibitions. vExpo offers many cool features such as a detailed company profile page, a dedicated 3D environment, and many interactive features. In this rapidly changing technological age, markets are demanding appropriate digital solutions to help companies to keep growing.

[WWW.VEXPO.CENTER](http://WWW.VEXPO.CENTER)

**VIRTUAL**  
**EXPO PLATFORM**







# THANKS FOR YOUR ATTENTION! SEE YOU IN PARIS...

Welcome to

**ARMENIA** Pavilion № J01

