

## The startups finalists at the WMF International Roadshow - Croatia



### **Bioristor**

*Bioristor is a unique technology, based on a biocompatible biosensor, directly inserted into the plant stem. Bioristor enables to detect the characteristics of the sap in real time and in*

*vivo, without damaging the plant. Thanks to its peculiar characteristic of interfacing directly with the plant, the Bioristor allows to monitor the health of the plant, to optimize the water supply, to fine tuning the nutrients management to early detect pest and diseases for the entire length of the crop cycle without interfere with the normal growth of the plant.*



cybernetics and electronic identity turned on

### **Cyberneid**

*Cyberneid SRL is an innovative startup specialized in artificial intelligence and electronic identity. The name "Cyberneid" comes from the words present in the mantra: "Cybernetics and*

*electronic identity turned on". The mission is to turn on the switches of artificial intelligence and electronic identity to provide customers with innovative and business enabling solutions. By merging those two technologies we created several products for the automation of on-boarding and Know Your Customer procedures and for the electronic signature of contracts.*



### **D-Heart**

*D-Heart is the first hospital grade smartphone ecg device that*

anyone can use anytime and anywhere. D-Heart is the first smartphone ECG device that simple to use, clinically reliable, portable and affordable. It allows anyone to perform a hospital-level ECG in total autonomy and to send the results to the 24/7 tele-cardiology service or to your trusted doctor.

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#### **Enismaro**

Enismaro is an agrifood tech company focused on food&wine traceability. Enismaro offers an end-to-end solution able to track and trace the food production process and to enforce transparency by disclosing information about the products to the parties of the chain and to the end consumers.

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#### **FamaLabs**

Fama Labs is an Italian health tech startup specialized in the development of high-tech B2B products dedicated to companies, scientific societies, healthcare professionals and patients. Our product portfolio consists of distributed cloud platforms, web/mobile applications and voice assistants, which are mutually interconnected and based on proprietary artificial intelligence and machine learning technologies.

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#### **Mashcream**

Mash Srl is an Italian startup in the gelato sector. The company makes sustainable, waste-free ice cream on demand. Mash does not prepare the ice cream in advance and it

does not stock in freezer ready-made products waiting to be sold. Instead, Mash prepares ice cream without food wastage by only using the quantity of ingredients required for the preparation of each ice cream. Mashcream is product and communication innovation that shares Italy's traditions and its tourist and cultural routes. Ice-cream is the first food product created and presented through social cooking with Mashcream.



MyMoney

### **MyMoney**

My-Money is a patented and revolutionary payment system, completely biometric and device-free. Credit card frauds are increasing each day. And all our life is inside our phone, making it our biggest weakness. That's the reason why we have created a new payment system, trying to make something really secure, easy, and fast.



TRUE TISSUE-ON-PLATFORM

### **T-Top**

Nowadays, to put a new drug on the market, are required more than \$2B and 10-12 years in R&D. Moreover, this process is highly inefficient.

Traditional in vitro cell models have a reduced predictivity because of their limited suitability to

reproduce a tissue-like structure. On the other hand, animal models fail to fully guarantee the results translation to humans and their use introduces ethical concerns. Despite the costs sustained in preclinical evaluations of a new drug, more than 80% of the investigated candidate drugs fail the clinical tests, with 60% of those failures due to a limited efficacy and another 30% due to cell toxicity. TToP is a modular, versatile, and user-friendly MicroPhysiological platform that aims at improving the effectiveness of preclinical prediction

*guaranteeing more predictive results than conventional technologies, replicating complex human pathophysiological conditions, minimizing the controversial animal use in research.*

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## **re.corder**<sup>®</sup> *re.corder* more than a recorder

*The re.corder is a digitized acoustic soprano recorder. Millions of students around the world know and are able to play this instrument at various levels.*

*Our instrument is portable, lightweight (100g) and ready to be connected to its app and many other standard MIDI applications. Due to its ability to sound acoustically exactly like its traditional counterpart, it can be immediately substituted for the one used at school.*

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## **TIMELAPSELAB**

### **TimelapseLab**

*TimelapseLab produces smart industrial devices for time lapse creation, developed for remote construction site management, paired with an innovative software based on artificial intelligence. Thanks to a wide range of cutting-edge and customizable products and services, we combine the production of high-definition plug and play devices, resistant to all critical issues, with a functional management platform for remote control of jobs.*

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### **Gamechuck Arcades**

*Gamechuck develops a diverse range of products, including both games and gaming hardware. Our game development efforts began with our series of*

interactive comics, but have since branched of into both retro-styled action games, with *Speed Limit* and *Midwintar*, and large-scale narrative-driven adventure games, with *Trip the Ark Fantastic* and *Professor Balthazar*. On the hardware front, we are currently developing our own arcade gaming system, the *Gamechuck Arcade*.

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**ELNAV**



#### **Helm Order Monitor - ELNAV**

ELNAV's mission is to improve the safety of navigation with state-of-the-art technology.

*Helm Order Monitor (patent pending) is the first technological solution to the problem of insufficient monitoring of helm orders between helmsman and pilot or navigator onboard ships. Did you know that disaster of Costa Concordia happened due to the helmsman applying the helm on the wrong side shortly before the impact? We are fixing this problem with an electronic device that combines automatic speech recognition and data from the ship's sensors. This artificial intelligence allows us to continuously monitor whether issued helm orders are clear, confirmed, and most importantly, correctly executed.*



#### **MAKABI**

*Makabi Agritech Ltd. is a company founded in 2019. The MAKABI (Small Capsules for Big Plants) team has been recognized as an innovative, young and interdisciplinary team of scientists developing new technologies using the agro-ecological approach to provide plants with nutrition and protection to reduce the use of agrochemicals in agricultural production and encourage the production of functional, healthy and quality food.*



**Playa**

Mobile application for Android and iOS devices which simplifies finding beaches by their distance from your current location, search by category (Disabled

Accessible Beach, Sand Beach, Dogs Allowed Beach, etc.), rating or by name of the beach or specific destination, the mobile application was created at the University Technology Park in Split. It was first used in Croatia in the summer season of 2021, where it achieved great success with over 15,000 downloads from users from over 100 countries around the world on all continents.



**POLYPHARM  
SOLUTIONS**

*The physicians's prescribing tool*

**Polypharm Solutions**

We help doctors pick the right medications and avoid drug side effects for their patients. Using our product Polypharm Solutions, doctors can input their patients' current drug regimen and receive optimized

suggestions for their next prescription. Every year millions of people are hospitalized as a result of adverse drug events (a.k.a. side effects). Adverse drug events are the leading cause of preventable hospitalizations and cost American hospitals \$30 billion every year. By avoiding problematic drug combinations, our algorithm decreases adverse drug events, the world's largest cause of preventable hospitalizations.



**Spiritus**

Spiritus is platform for storing and creating digital memorials that last forever. With Spiritus users can become Memory Guardians of their loved ones in a beautiful, simple and secure way. They can post

photos, videos and create memorable life stories for which their loved ones should be remembered.

The essence of Spiritus are life stories. We believe that every human that ever lived has at least one life-story worth telling and we want to store it - forever. To secure that the memorials last forever, we are powered by IPFS blockchain technology.

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## TONGUEO

### Tongueo

TONGUEO is a digital communicator that helps people with aphasia to remember the words every time. Aphasia is an acquired language disorder characterized by difficulties in language comprehension and/or speech production after a stroke. TONGUEO is a digital communicator that helps people with aphasia to communicate efficiently and it offers the possibility to independently practice speech. TONGUEO is small and wearable, ergonomically designed, and easy to handle even for people with motor disabilities. What makes TONGUEO unique is the connection of the device to the application through which the speech-language pathologist personalizes the device and monitors the progress of the user.



### WindWard

WindWard is a cloud-based, interactive platform for the management and administration of nautical clubs, organizing and monitoring regattas, and intelligent monitoring of equipment and costs. It consists of three parts. Organizational and management app for nautical and sailing clubs. Competing app for sailors, boaters and competitors on the regatta. Third part is the gamified social networks for all the sea lovers out there in the world. The

WindWard application is primarily a web platform that can be accessed via the Internet, but it can also be installed on all mobile platforms (iOS, Android, Windows) in the form of a progressive mobile application that can also work offline. Online and offline modes are key in meeting all the needs of organizers and sailors who far from shore often do not have a good mobile signal.