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www.bvk.hu

www.startupokejszakaja.hu

www.budapeststartup.hu

www.budapestmikrohitel.hu

facebook.com/BudapestiVallalkozasfejlesztesiKozalapisvany

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facebook.com/iesmarthungary

Startup
Europe
Awards
Hungary

MEET
THE BEST
STARTUPS!

BUDAPEST BUDAPEST
ENTERPRISE AGENCY



STARTUP EUROPE AWARDS

Startup Europe Awards (SEUA) is an initiative of the European Commission and Finnova Foundation, supported by the President of the European Parliament, the President of the Committee of the Regions, the Vice-President of the Economic and Social Committee and several members from the European Parliament. SEUA is supported by the StartUp Europe Accelerator of the Finnova Foundation.

Startup Europe Awards presents a prize methodology for startups at local, regional, national and European level that fosters the open innovation and the collaboration between the different actors of the European ecosystem. Besides, it creates a network of contacts that will inspire and provided visibility to all the local startups so that, by using this network, they can scale their services and products at a global level.

In 2019 the Budapest Enterprise Agency (BEA) became the country manager of SEUA for Hungary. To fulfill this role, the 10th Be Smart startup competition of BEA has been opened not only for startups based in Budapest, but for the whole country.

Applicants came from 16 cities on top of the capital city, and they competed in 16 categories:

- Agritech, • Creative, • Digilearning, • EdTech, • E-Health, • FinTech,
- Gastronomy, • Green, • HR Innovation, • Industry, • Marketplace, • MedTech,
- Mobility, • Music, • Social, • Tourism

Also, following the methodology of the European competition, 3 special prizes were presented:

- Best Female Entrepreneur, • Best Media Partner for Startups,
- Best Public Administration for Startups

The best startups got recognized on the annual Startup Night on the 28 November, 2019. This publication aims to present the best innovative Hungarian enterprises to the world.

DEAR FRIEND,

We at Budapest Enterprise Agency (BEA) put a great emphasis on innovative SMEs, and among them the ones that are the most active in business innovation, the startups.

Budapest attracts many of the shapers and influencers of the startup world, just as many Hungarian startups establish an office abroad. We had a powerful presence on the world's most important innovation events as well, like on the largest European web technology event, the Web Summit in Lisbon, on 4YFN, the side event of the Mobile World Congress in Barcelona, and the Futurescope in Dublin. Hungarian startups are successful all over the world. Not only on competitions, but on the market: e.g. it was Route4U that developed the accessibility map of Dublin sidewalks, Mindtech created the new app of Wien Energy, and TMRW's smart hotel solutions are used in newly built Portuguese hotels.

Budapest is the birthplace of Rubik's Cube, and we are proud of the Hungarian talent. We claim to have a solution for every problem, and hear it from abroad that a lot of valuable innovation come from us. Just lately Brussels as well as the British claimed Budapest to be the best city for startups.

In this publication you can get an insight on the Hungarian startup ecosystem, and get to know the best ones, the winners and runner-ups of the Startup Europe Awards Hungary 2019. If you like them, you can find their contact details under the introductions. Also, you can find more best practices from Hungary on our websites, and you are kindly invited to participate on our events. Look for us, we are happy to be your partner in realizing your plans for Central-Europe.

Welcome to Budapest!

Piroska Szalai, Chair of the Board





BUDAPEST ENTERPRISE AGENCY

Founded by the Budapest City Council in 1993 as the sole organization of the capital city responsible for enterprise promotion, Budapest Enterprise Agency's activity stands on two pillars: non-profit microfinancing and innovative enterprise promotion.

BEA manages the Budapest Microfinance Program, providing loans up to EUR 32.000 to micro and small enterprises, with a special emphasis on women and young entrepreneurs. The program has just got accredited by the strict standards of the European Commission, and aims to enter the EaSI Progress Microfinance program.

In the center of the innovative enterprise promotion stands the Be Smart competition series, organized twice a year, where BEA is looking for the best startups that already have market presence, or at least a working prototype. Winners of the Be Smart competitions have the possibility to present themselves at major international events across Europe, as well as to use the possibilities presented by the twin-cities of Budapest, supported by the embassies and consulates of Hungary.



THE PAST 5 YEARS IN NUMBERS

- Almost 200 events
- More than 16,000 participants
- More than 5000 consultative and mentoring sessions
- More than 130 best practices covered
- Close to 800,000 yearly impressions on our websites, and 400,000 impressions on Facebook pages
- More than 3000 newsletter subscribers

2016

EUROPEAN ENTERPRISE PROMOTION AWARDS
– NATIONAL WINNER FOR THE BE SMART PROGRAM



2017

EU BUSINESS INNOVATION CENTRE ACCREDITATION;
EUBIC BOARD MEMBERSHIP REPRESENTING HUNGARY



2018

EUROPEAN ENTERPRISE PROMOTION AWARDS – NATIONAL
WINNER FOR THE STARTUP BUDAPEST PROGRAM



2018

STARTUP EUROPE AWARD FOR BUDAPEST
– THE BEST PUBLIC ADMINISTRATION
FOR STARTUPS






















WHY HUNGARY?

- 4,9% GDP growth in 2018 (vs. 1,8% EU average; the 4th highest in the EU)
- the lowest rate of corporate tax in the EU: 9%
- the 3rd fastest 4G network in the world; 5G already started
- 27% of Hungarian enterprises employ IT professionals
- 74.4% employment rate in 2018 among 20-64 year olds (up from 59.9% in 2010; the 2nd highest growth rate in the EU)
- strong focus on electromobility and autonomous driving, the construction of the most modern test facility in Europe is under way

WHY BUDAPEST?

- Startup Europe Award in 2018 in the Best Public Administration for Startups category
- Made it to The World's Leading Innovation Cities list of Cities Today
- The best city in Europe for British startups planning to move from the UK (Startup.co.uk survey)
- Home of many global events (Sziget Festival, Bocuse d'Or European Final, FINA World Championship, EuroSkills etc.)
- A great place to stay: Europe's Best Destination Award 2019 winner; 3 UNESCO World Heritage sites; 11% of its area is covered by forests
- 34 universities and colleges in the city

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AGRITECH

Category patron:
FŐKERT Gardening
Company of Budapest.
Awards presented by
József Szabó, CEO



Hungary has traditionally been an agricultural country, and is proud of its high quality crops, fruits, and vegetables. Also, Nobel Prize winner **Albert Szent-Györgyi** used **Hungarian paprika** to extract **Vitamin C**.



AQUASHIELD CONTROL

Aquaponics and hydroponics gardening could be the best solution for locally grown, fresh, unlimited and cheap organic food. Also aquaponics and hydroponics are balanced eco-systems that are easy to fail, so all the key-parameters have to be checked on a daily basis to keep everything under control. AquaShield is an advanced monitoring and controlling device for these managed aqua systems. AquaShield includes various sensors to keep track vital factors of the garden's environment, such as temperature, pH or conductivity. The system also measures water levels, activates pumps to circulate the water and controls light intensity to boost the garden's vitality. Combining hydroponics and aquaponics with AquaShield it is possible to create growing environments with extreme high yields, stability and the ability to grow high quality food as fast as possible. In 2019 they finished a successful Kickstarter campaign and raised more than 20 000\$ in one month.

Year of funding: 2016 – Founder: Gábor Sulcz
www.aquashieldcontrol.com



WINNER

AGROLYTICS

The goal of Agrolitics is to provide solutions for the problems of the agriculture using the latest technologies like machine learning, cloud based technologies, and image processing techniques, and thus making the sector more sustainable, environment friendly and efficient. Their service named Woodo measures the volume of the harvested wood based on a photo made by a smartphone. The woodpile volume, type of wood, and location information are stored on a cloud based platform. The algorithm produces more than 90% accuracy on average, easing the work of foresters, who did volume determination on a daily base.

Year of funding: 2019
Founders: József Kenderák, Bálint Borovics,
Áron Görög
www.agrolitics.hu



WINE DATA

WineData is an intelligent production monitoring for vineyards that provides real-time, high precision monitoring of all important aspects of production and makes processed information available to the producer. WineData assists producers improve grape quality while significantly reducing production costs. Main features of WineData: Environmental monitoring, Workflow monitoring, Sprayer monitoring. They have already contracted 4 large, renowned wineries in Hungary, and looking for contract sales partners in foreign countries.

Year of funding: 2015
Founder: Dorottya Lendvai-Gellérthegy
www.winedata.hu





CREATIVE

Creativity is the lifeblood of Hungarians. We can understand this if we think of **Alexander Korda**, **Marcell Breuer**, or **Victor Vasarely**, not to mention **Ernő Rubik**, the father of **Rubik's Cube**.



PROWORX DIGITAL

Web-based marketing campaigns are consuming a lot in time, in workforce and ultimately in money, even at the major multinational players. In 2018 Proworx developed and successfully introduced to the market Starpage, the automated promo landing page generator platform which is solving most of the problems and provides an all-in-one wizard-based approach for a marketing professional but non-coder clientele. The business model is SaaS-based. Besides being already present on the local market their strategy is to enter the EU/CEE market using top-down approach which will allow us to collect the most valuable references and the most intensive campaign clients.

Year of funding: 2018
 Founder: Domonkos Pichovszky
www.proworx.hu



Category patron:
 HEPA Export Promotion
 Agency. Awards presented
 by Judit Galambos, director
 of Exportakadémia.



WINNERS



FLYWEAR

Currently available eyewear solutions are very uncomfortable to wear under helmet as they press the ear. Flywear offers an innovative and unique eyewear solution, which makes the wearing of spectacles not only safe, but also comfortable while wearing a helmet. Safety is guaranteed by the Swiss Made base material of the frame and temples. The wearing comfort and visual stability is generated by the design of the special temple which aligns with the helmet and the air-cushioned nose rest. The variability of different colours for both the 'front' and temples brings fashion into technology. Their primary target market is Western Europe, and they are looking for local distributors.

Year of funding: 2016
 Founder: Szabolcs Turi
www.flyweargroup.com

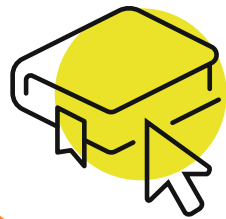


THINWOOD

Designer eyewear brand based in Budapest, crafting lightweight and comfortable composite optical frames and sunglasses. They specialise in innovative designer eyewear using only superior quality light-weight wood, bio-epoxy, and fiberglass. Their hand-crafted frames come in a wide range of harmonious colour combinations and can be fitted with prescription lenses. They believe that the future lies in the rediscovery of creativity.

Year of funding: 2017
 Founder: Arnold Kis
www.thinwood.hu





DIGI- LEARNING

Category patron:
Pázmány Péter
Catholic University.
Awards presented by
Dr. Kristóf Iván, dean



Long gone the days when the famous **Professor Öveges** mesmerized students through the TV screens with his demonstrations of physics, but here are the heroes of the newer platforms to help spreading the knowledge.



WINNER

EXAME

ExaMe is a marketplace for exam preparation materials, optimized for smartphones. Our purpose is to provide simple, effective and fast preparation with modern technology for a wide range of students both in high schools and universities. In their web application publishers can easily upload their finals preparation textbooks. In addition they can provide word cards and exercises attached to the material. The software then automatically optimizes the materials for smartphones. With these „preparation-packs” high school students can comprehensively prepare for their final exams using only the mobile application. In the freemium model the students can purchase a preparation pack for 10-20 Euros. ExaMe has already contacted publishers in Germany and in France, and are in discussion with two publishers. They are also looking for funding for market entry.

Year of funding: 2018
Founders: Márton Kosd-Kovács, Bálint Jakabos
www.exame.me

SKILLVERSUM

SkillVersum is a community based career and knowledge development website. It makes sharing material for university courses or any kind of knowledge the user possesses possible. Users can collect points and skills by creating private courses, learning materials, tutoring sessions. While developing the application, they implemented gamification techniques to make studying more enjoyable. They are currently working on transforming SkillVersum into a modularized product that they will provide to companies and organizations.

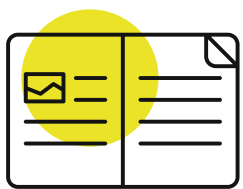
Year of funding: 2017
Founder: Bálint Attila Szűts
www.skillversum.com



UNIPIE

UniPie is a mobile application in which users can find all the books that they need for their studies. Users can read the books, highlight the most important parts and make notes for themselves. In the freemium version users can find old sources and old books, which is very valuable for the ones who learn history or law. The premium version is available for a monthly fee, and provide access to the books made in the past 40 years. The product is launched as a web application, and mobile application will follow in March 2020.

Year of funding: 2019
Founders: Brigitte Pozsgai, Fanni Friedrich, György Török, Roland Kovács, Péter Pázsitka, Barnabás Nagy, János Kaiser
www.unipieapp.com



EDTECH

Category patron:
Pázmány Péter
Catholic University.
Awards presented
by Dr. Kristóf
Iván, dean



Hungarian EdTech startups can build on our long history of a world class education in mathematics, life sciences, or music. It might be enough to mention that **Charles Simonyi, coder of Excel is Hungarian.**



WINNER

DARTS MATHS

Darts Maths is an interactive educational software, which helps children to acquire basic mathematical knowledge and develop their abilities, through a digital dartboard. The aim of this program is to encourage interactive learning in a practical and stress-free educational environment. Based on experiences, the program is suitable for using in the development and education of children with autism, attention-deficit disorder, special educational needs. It can help to increase concentration and hand-eye coordination. The program is useable in various ways, on almost every platform. Students do not experience failure, as the program does not include any kind of evaluation. Problems and tasks can be re-done, difficulty levels are variable, which provides new challenges consecutively for students.

Year of funding: 2018
Founder: Pál Székely
www.dartsmatek.hu



MUSICATORS

The founders of Musicators are teachers devoted to digital education. Their goal is to help fellow music teachers and make their musical exercises more appealing to the students. Customizable exercises help to combine and develop different musical competencies like listening, rhythm and melody, and melody. Students can work together or individually, tests can be developed for any piece of music. Currently, they have Hungarian and American users. Their goal is to create several (50-100) folk song tests in order to grow their business in other countries.

Year of funding: 2018
Founders: Dániel Bali, Dániel Molnár
www.musicators.com





E-HEALTH

Hungary gave to the world many famous doctors and inventors, among them the inventor of **Béres Drops**, and founder of Béres Pharmaceuticals Ltd., **József Béres Sr.** Their heirs use the latest in technology to solve some of healthcare's important issues.



MINDTECH APPS

Mindtech Apps aims to utilize state of the art EEG technologies using modern software development tools and methods. They have achieved significant success with their range of e-health apps.

Compared to traditional products that require patient interaction, their system is able to diagnose the loss of visual field directly from the EEG signal, so the method is more accurate, and applicable on non-cooperative patients. In the future they are aiming to distribute our solution to different objective – diagnostic methods.

Their proof of concept was validated in the United States in co-operation with the University of Notre-Dame ESTEEM program and Pázmány Peter Catholic University Faculty of IT and Bionics.

Year of funding: 2015
Founder: Tamás Králik
www.mindtechapps.com

Category patron:
Semmelweis
University.
Awards presented
by Dr. Péter Ferdinandy,
vice-rector



WINNERS



SINEKO

Sineko develops **GRAID**, an AI-assisted structured reporting tool for cross-border teleradiology. **GRAID** has a novel workflow optimization approach intended for hospitals and teleradiology centres for constructing translatable, unified medical reports, by seamlessly integrating AI image analysis into the workflow.

Year of funding: 2018
Founders: Tamás Sipos, Balázs Kondákor,
Gábor Bagyó MD., Bence Németh MD.
www.sineko.gl

VÉGTAGMENTŐ APPLIKÁCIÓ

Amputation is one of the most dangerous side effects of diabetes, but it is often overlooked. The founder of the application and his colleagues have been fighting premature amputation as doctors in their practice for years, but had a vision of sharing their method and knowledge with their patients and colleagues. The Végtagmentő Applikáció helps patients to understand their condition, notifies them to take action, and gives them information about what they can do to be in charge of their own healing process. The application has an additional platform that only doctors can access, with case studies, information, and the option to contact others for advice.

Year of funding: 2018
Founder: Dr. István Rozsos
www.vegtagmento.hu





FINTECH

Category patron:
MNB Hungarian
National Bank.
Awards presented by
Péter Fáykiss, director



The father of the Euro, Alexander Lamfalussy was born in Hungary. Hungarian innovators are up and running, trying to modernize the world of finance, and make it suit the needs of new generations.



WINNERS



GB SOLUTIONS

GB Solutions is a subsidiary of Gránit Bank, the Hungarian digital bank. The company's primary goal is to develop a solution which can disrupt the online and offline payments market by making it cheaper, safer, faster, and more convenient. They are working on a payment service which is enabled by the PSD2 EU Directive which will allow us to settle payment requests through a payment process which resembles the ease of a credit card payment for the user but is a money transfer from a technology perspective.

Year of funding: 2018
Founder: Máté Jendrolovics
www.gbsolutions.io

PÉNTech

Payment delays and long invoice due days are a substantial part of everyday business life. These delays and long due dates are leading to bankruptcy and are hindering growth. PénTech enables SMEs to increase their liquidity and finance their outstanding invoices at the ease of clicking a button. PénTech's AI based credit scoring algorithm automatically assesses the risk level of the account and makes an offer to the customer. If the customer accepts the offer and the invoice actually exists, the payment will be made within 24 hours, without paperwork.

Year of funding: 2019
Founders: Benjamin Berényi, János Csák,
Mátyás Fodor, Bálint Réti
www.pentech.hu



FAMILY FINANCES

Family Finances offers design-driven mobile banking solutions for financial institutions. These solutions enable banks to engage younger generations and young adults with design-oriented digital interfaces. They offer end-to-end services, including research, design and implementation, as well as 4 easy-to-implement boxed products: allowance manager, chat-based money transfer, investment solution, and online consumer loan marketplace.

Year of funding: 2017
Founders: Iván Muck, Ferenc Muck, Dávid Horváth
www.familyfinances.hu



BANKZEE

BankZee is a family banking solution and financial community for Generation Z with beyond banking functionality, and an AI-powered age-adaptive engine. Their solution consists of a bilateral mobile banking app, and a prepaid card. Kids can send money, set up savings goals, split bills, join their community, get awesome deals in the marketplace, etc. Parents can send digital pocket money, control children's spending, manage family finances and tasks, and provide automated financial education.

Year of funding: 2017
Founders: Gergely Trifonov, Sándor Komócsi,
Katalin Ludvig
www.bankzee.eu





GASTRONOMY

Hungarians love to eat, and gave the world delicacies like **paprikash**, or **goulash soup**, or the **Dobos cake** invented by **József Dobos**. But we are open to discover new flavors, and gastronomy startups can help us with that.

FLAVOR

FLAVOR

As the number of new venues and gastro events grew remarkably in the past years, it led to more demanding consumers that require a faster and easier way to find gastro related content. Flavor is a new generation application for the gastro industry with thematic and location-based content, which helps its users to immerse and explore the exciting world of gastronomy. Daily and periodical lists, selections and interactive features help to find the best foodie spots, culinary offerings, and events. Hot topics, food recommendations from different cultures could be easily showcased. The application's mobile event and program guide is a very popular feature as well as the in-app games functionality, which managed to challenge hundreds of people both physically and intellectually during various events.

Year of funding: 2017
Founder: Balázs Horváth
www.info.addicted.hu

Category patron:
National Research,
Development and
Innovation Office.



WINNER

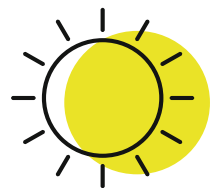
Awards presented
by István Szabó PhD,
Vice President

ÉDES VÁROS

Édes Város collects the finest patisseries products in one platform, and also delivers the cakes in Budapest using a refrigerated car. They have good knowledge and connections with the Budapest patisserie scene, and put a great emphasis on content creation: they work with the best food photographer in Hungary and their content creator is an ex-editor in chief for one of the biggest food review site in Hungary.

Year of funding: 2018
Founders: Viktor Kassai, Gábor Molnár, Gergő Bakonyi
www.edesvaros.hu





GREEN

Category patron:
FŐKERT Gardening
Company of Budapest.
Awards presented by
József Szabó, CEO



The future must be green, and Hungarian innovators are at the forefront, following in the footsteps of **Mária Telkes**, inventor of the solar-powered passive house.



CASP – COMPUTER ASSISTED SUPER PIPELINE

When we build a geothermal system after modeling for 25 years of operation, we deliver up to hundreds of probes to the ground at a depth of 20 to 300 meters. At present, only the temperature of the incoming and outgoing water is known, the control and measurement of the probes is not solved, so the efficiency cannot be improved. Another problem to be solved is that it is only possible to switch on and off the ground probe systems, but when there is less need of heating/cooling, we should be able to turn off the less efficient probes and regenerate them by the ground. CASP is the first IoT and machine learning based control system for closed loop geothermal systems that solves all these problem and save 25% energy.

Year of funding: 2018
Founders: Natasa Kőszegi, Márta Fűles, András Szabó,
Marcell Tátrai, Gábor Pollák
www.hasle.hu

WINNERS



W-HEAT

W-heat develops and produces sustainable and biodegradable fire-resistant thermal insulation boards locally made of wheat straw, which is an agricultural by-product, with low embodied energy and low carbon emission. Their product is a biodegradable thermal insulation board that is durable and resistant to environmental effects when built-in, but at the end of its service life, after its removal, it is naturally degrading as buried without leaving any pollutant. It performs as good as the conventional and most popular plastic-based thermal insulation materials, but outperforms them in terms of moisture management, fire resistance and biodegradability.

Year of funding: 2018
Founders: Dániel Csanády,
Dr. Balázs Nagy, László Kállai,
Ferenc Kiss, Dr. Olivér
www.w-heat.hu

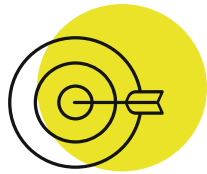


ELECTROMEGA

Hungarian based research, development, and innovation center, assembling all electric waste collector trucks. Their trucks are 100% Electric Powered, and enable the same or better experience in the heavy weight industry as conventionally powered trucks in service sectors like Waste Transportation. Their products are already used for test periods by large Hungarian companies, and international sale negotiations are ongoing.

Year of funding: 2009
Founders: Dániel Kőszegi, István Bartha
www.electromega.hu





HR INNOVATION

Gábor Baross, the Hungarian 'iron minister' declared in 1867, that train drivers must attend courses on a monthly basis. Today's innovations help enterprises deal with contemporary HR issues.



BLUE COLIBRI

Blue Colibri's mobile platform supports internal communication and engagement, for those large scale businesses that aim to effectively involve their employees in a community and inspire their commitment. The platform provides a solution for reaching and gathering answers from dispersed teams without computer workstations and/or email addresses. Colleagues will be able to read the latest news anywhere, create a group with the click of a button, chat, give feedback and organize events. The platform provides multiple features that make internal communication processes fun, and help employees feel more involved with the organization.

Year of funding: 2019
Founders: Tamás Baráthi, Gergely Balogh
www.bluecolibriapp.com

Category patron:
Tungfram Group.

TUNGSRAM™



WINNERS

Awards presented
by Joerg Bauer,
President & CEO



TALENTUNO

Talentuno is a recruitment crowdsourcing platform that – through the power of personal networks - transforms the way people find jobs and companies find talent. On Talentuno anyone can become a Talent Matchmaker, refer people to jobs on the platform and get paid after successful hires. Their target users on the Matchmaker side are so-called 'mid-career professionals', people with 2-12 years of work experience, who have a good professional network on their own fields and can still be motivated by extra income. On the client side the ideal customer is a 200+ white-collar FTE organization with the at least 15 FTE hiring need annually. Talentuno is currently present in Hungary and Poland.

Year of funding: 2016
Founders: Péter Balázsik, Zsolt Kelliár
www.talentuno.com

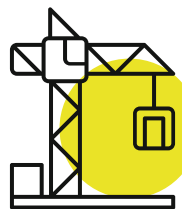


CLICK FOR WORK

For people who has short of time and need to fix something quickly, Click for Work (C4W) is an online platform for same-day tasks to take the stress away because we do believe win-win situations exist. They created a two sided platform, where Clients can post any kind of tasks to save some time for themselves, while students can apply and make some extra money easily and quickly.

Year of funding: 2017
Founders: Andrea Mészáros, Kinga Mészáros
www.clickforwork.hu





INDUSTRY

Many industrial innovations came from Hungary, from the **wolfram light bulb (Tungsrám)** to the **carburetor (Donát Bánki, János Csonka)**, and the **ball-point pen (László Bíró)**, and Hungarian startups still provide state-of-the-art solutions.



POZI

Pozi addresses the most important bottleneck of industrial production efficiency: logistics. Manufacturers and warehouses often face problems that result in higher production costs, slower processes or higher inventory discrepancies due to not accurate information about the exact path of manufacturing processes in a production line. Pozi's systems uniquely integrate a wide array of various identification and positioning technologies: UWB, BLE, RFID, GPS, WIFI or visual image processing to constantly monitor the movement and position of parts, segments, inventory or vehicles, under various circumstances and in different industrial surroundings.

Year of funding: 2013
 Founders: Dr. László Györgypál, Károly Lendvai
www.pozi.tech

Category patron:
 Tungsrám Group.
 Awards presented
 by Joerg Bauer,
 President & CEO

TUNGSRAM™



WINNERS

HunCut CNC



SINCROLL DRIVE TECHNOLOGIES

Sincroll is developing a novel technology for gears where they use purely rolling balls to eliminate friction. They proved the technology in several prototype tests, sold 8 prototypes and 1 license so far, obtained patents in 16 countries and built a customer base of about 1300 companies. They won 10 prizes in 6 startup competitions in China, Germany, Hungary and the UK past 9 months. The company offers the technology through licensing, know-how and engineering services. They also plan to start up production and sales of selected proprietary gear products in the near future.

Year of funding: 2011
 Founder: Pál Bogár
www.sincroll.com



HUNCUT CNC

HunCut CNC designed and brought to market the first truly intelligent CNC machining center that combines the traditional CNC milling machine and a 3D scanner. Their goal is to build a machine that is affordable and can be operated by not only a CNC machinist but anyone who has no prior experience in this field. They plan to open a new market segment by reaching those who have not even considered CNC machining before.

Year of funding: 2017
 Founders: Imre Bíró, Ányos Keresztes,
 Viktor Hartmann
www.huncutcnc.com



MARKET-PLACE

Category patron:
Tőkeportál.
Awards presented
by Mihály Pintér,
strategic advisor

TŐKEPORTÁL
TŐKÉT A TŐKEPORTÁLÓRÓL

Marketplaces are at the forefront of global startups, and Hungarian developers are second to none on this field. Not surprisingly they are active on the entertainment field, as they are from a country that gave the world **Tommy Ramone** or **Gene Simmons** of **KISS**.



DYNAMO PRICING

DynamO Pricing is one of the few enterprises in Europe specializing in dynamic pricing of theatre or cinema tickets, as well as other services. Their primary customers are those ticket portals who are part of a particular industry (theatre, sports, hotel, etc.) Their algorithms including AI optimize ticket prices based on supply and demand. The SaaS solution is provided to the ticket portals via API. MVP is running, and they are close to a large real-life pilot engagement in Hungary. Expansion is planned with the help of international sales experts, first in Italy and Sweden.

Year of funding: 2017
Founders: Bence Marosi; Péter Molnár; Pál Dányi, Norbert Orgován,
Balázs Várhalmy, Ferenc Tamás
www.dynamopricing.com

WINNER



REVERSE TICKET

Nowadays events sell out quicker than ever before. If an event is likely to sell out, ticketing websites break down, while thousands of users are desperately trying to get a ticket at the same time. Fans can only buy tickets on the secondary market. ReverseTicket is an online ticketing platform based on reverse auction, which maximizes organizer profits and customer satisfaction at the same time, while greatly reducing scalping. Their system also supports traditional fixed price ticketing.

Year of funding: 2019
Founders: Balázs Magyar, Bernadett Morauszki,
Noémi Melcher
www.reverseticket.com

ReverseTicket





MEDTECH

Category patron:
Semmelweis
University.
Awards presented
by Dr. Péter Ferdinandy,
vice-rector



It is due to Hungarian doctors and inventors that the world knows Vitamin C, the Béres Drops, or the importance of **hand hygiene**, as found out by **Ignac Semmelweis**. Present day medical innovators continue in the paths of these predecessors.

DSS



WINNERS

DENTAL SCANNER SOLUTIONS

Dental Scanner Solutions is developing a three-dimensional intraoral scanner, which will revolutionize the entire dental industry and break up with the previously known methods and sampling techniques. The product validation has taken place in Hungary, as well as in the Netherlands and Germany. All the dealers, dentists and professional partners have so far responded positively to the development and supported the team with their expertise and relationships.

Year of funding: 2017

Founders: Attila Balogh, László Havasi,
Roland Letenovics
www.dentalscannersolutions.com

E-FÁSLI

Heat treatment has been used for centuries but is still a significant part of the symptomatic or causal therapy on many medical fields. However, the optimal parameters are unknown, as there was no reproducible study in the absence of appropriate tools. The E-Fásli system consists of a central server and thermal therapy devices, connected via a WiFi network. Optimal therapy is determined by analysis based on a central anonymous database. The solution got awarded in China, as well as on Intel ISEF.

Year of funding: 2018

Founders: Melinda Szegedi, Dr. Zsolt Szegedi, Dr. Viktor Sebestyén Varga,
Dóra Szegedi, Dr. Péter A. Csíkos
www.e-fasli.hu



creo Medical



CREO MEDICAL

Creo Medical helps medical device manufacturers to provide a cloud based solution. Their product is a smart medical database and related services such as AI research, integration with medical devices and smartphone application.

Year of funding: 2017

Founders: Gábor Csukly, PhD, Gábor Szirtes,
PhD, László Grad-Gyenge, János Szekeres
www.medical.creo.hu



MANI

MANI is an innovative mechanical and magnetic orthosis which provides independence to people with arm disabilities to do simple daily tasks like eating and writing. MANI has neodymium magnets in a circular arrangement allow for free movement and enough force to lift a cutlery piece and stick and remove any kind of cellphone. MANI also has a special tweezers for pen handing. MANI's main milestone is to get close to rehabilitation centers and Hospitals in Hungary and Ecuador and reach an international group of sales.

Year of funding: 2017

Founders: Kleber Castro, Sebastian Arroyo
www.facebook.com/heroecuador



MOBILITY

Hungary gave the world the **constructor of Ford Model T**, the **pioneer of car safety**, **Béla Barényi**, and **Budapest is the home of the continent's first underground train (1896)**, that is still operational today.



PARKL

City parking is a problem for most people. Parkl has set the goal to reduce the everyday problem comes with parking, thereby creating a more livable city. Parkl modernizes parking with most advanced smart parking system and digitalizes existing analog parking systems. This allows drivers to park at the unused spaces of hotels, apartment houses, office buildings and parking garages. As an e-mobility service provider, Parkl makes the process of electric charging easy to use and follow through the application for electric vehicles and allows e-charger owners to conveniently manage their devices on a transparent interface.

Year of funding: 2016
Founder: Zsolt Somogyi
www.parkl.net

Category patron:
National Research,
Development and
Innovation Office



WINNERS

Awards presented
by István Szabó PhD,
Vice President



ROUTE4U

Route4U is building the world's first sidewalk navigation app. The Route4U app is used in two ways: their users search accessible places and navigate personalized, accessible routes with it, and their volunteers assess places' and routes' accessibility by using the "survey" and "report obstacle" functions. With the help of the community, Route4U turns this data into accessibility maps and smart city analysis. They have been contracted by the municipality of Dublin and Angers.

Year of funding: 2014
Founder: Péter Bodó
route4u.org



CITY SMART

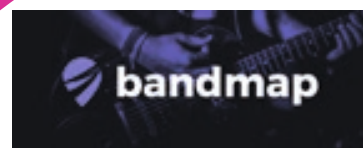
The project implements the already well-known Car Sharing model and adapts it to business clients. One of the cornerstone of this project is the vehicle that has to be cost effective, while meeting the high standards that clients are used to. The model of choice is the Smart Electric Drive, which is 100% electricity powered.

Year of funding: 2018
Founders: András Szeles, István Tóth Gy.,
Balázs Szeles
www.city-smart.hu



MUSIC

Hungary is the birthplace of **Zoltan Kodaly**, inventor of the **Kodaly Method**, as well as composers **Franz Liszt** and **Bela Bartok**, and music continues to live on in Hungarians.



BANDMAP

Bandmap is a professional music industry network and community platform. It helps industry members to search and network locally and globally, be visible for industry members and fans and to manage activities and increase income. The platform addresses the following problems: poor networking possibilities, communicational noise, time consuming organization. Presently, the platform is ready to welcome bands and „put them on the map”. Searching and filtering the database of bands, performers, venues and event profiles is also possible, moreover, it provides a professional profile for every registered user with professional history.

Year of funding: 2017
 Founders: László Kovács, Gábor Bassa, Gábor Szikszai, András Ibrányi
www.bandmap.hu/beta

Category patron:
 HEPA Export Promotion
 Agency. Awards presented
 by Judit Galambos, director
 of Exportakadémia.



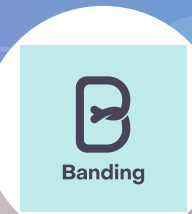
WINNERS



PHONIC CHAT

Phonic Chat is a multidimensional social music platform and application. It is an innovative online tool bringing music lovers and musicians together through providing an active, new perspective of music making and listening. By the usage of Phonic Chat listeners can relate to new musical projects from a very early stage of the constructing process, and also have the opportunity to play with the tracks and individualise them by trying out different settings of the same songs. Every musician who plays an instrument in a musical production has a separately recordable track. By this they aim to develop a fairer revenue system for the music artists.

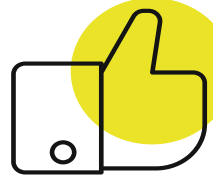
Year of funding: 2017
 Founders: Dénes Poór, Kinga Balcsik-Tamás,
 Gergő László Máté
www.phonicchat.com



BANDING

For touring musicians who want to enter new markets, Banding is a matchmaking service that finds and connects similar music acts to play concerts with. Banding's core is a learning algorithm based on data from streaming services and social platforms which defines bands and helps to find potential exchange gig partners based on popularity, genre or country among others.

Year of funding: 2018
 Founders: Renátó Horváth,
 Olivér Szendrey-Nagy
www.banding.app



SOCIAL

Social aspects, and caring for the underprivileged cannot be circumvented in today's world. Hungarian social innovators tread in the footsteps of people like **András Pető, inventor of the well known conductive therapy.**



GYEREKKEL.COM

"Gyerekkal" is a web-based platform and mobile application which is opening up new dimensions in family programming. By using the wide variety of filters, parents can quickly and easily find child-friendly places or programs worth to visit with their kids. The application has been downloaded by over 23,000 users in 6 months (with 87% retention rate) without spending much on marketing. As the number of users increases, service providers are becoming more and more open to use the application for marketing purposes.

Year of funding: 2017
 Founders: Alíz Szente, András Flesch
www.gyerekkal.com

Category patron:
 Tőkeportál.
 Awards presented
 by Mihály Pintér,
 strategic advisor



WINNER

MONGU FOR TEEN

Mongu helps kids to understand what, why and how should be done to stay safe in the cyberspace and their parents to keep pace with their teens. Mongu is an entertaining educational app focusing both on 10-14 year old kids and their parents. In Mongu's kid view, kids get personalized information on the security of the used social application in a form of adventure games with special videos to raise general awareness. Parents get relevant information and tips how to start conversations with their kids about their kid's social apps.

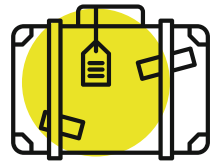
Year of funding: 2018
 Founders: László Dóra, PhD, Veronika Hittner-Horváth, Csaba Krasznay, PhD, Adrienn Tóth
www.monguforteen.com



NESTINGPLAY

Nestingplay's mission as a social enterprise is to have more and more inclusive playground equipment into more and more playgrounds where it can be safely used by disabled and non-disabled children. Nestingplay also provides interactivity training for practitioners. The training offers tangible tools, develops advanced skills through special board games, role-playing games that support educators in day-to-day integration. The founder won the Exceptional Woman of Excellence award of the Women Economic Forum.

Year of funding: 2018
 Founder: Eszter Harsányi
www.nestingplay.com



TOURISM

Home of the largest sweet water lake in the region, hospitality legends like **Gundel**, **Gerbeaud**, and **August** and a capital elected as the best travel destination in Europe, tourism is really important for Hungary.



BONOMI

Bonomi's AI-powered Assistant is a white label solution for hotels to engage guests in a direct, personalized way inside messaging apps (e.g. Messenger, WhatsApp) at every point of the guest journey. It is integrated with hotels' legacy systems like a Property Management System or Booking Engine. Bonomi Assistant delivers cost saving by increasing direct bookings and reducing front desk workload, increases revenue by helping the upsell of additional services, boosts guest satisfaction, loyalty, and social ratings. They plan to have 500 hotels as customer in 18 months, in 3+ countries.

Year of funding: 2018
Founders: Gábor Dencs, Miklós Láng,
Zoltán Takács, Ágoston Fung
www.bonomi.io

Category patron:
National Research,
Development and
Innovation Office



**Awards presented
by István Szabó PhD,
Vice President**

WINNERS



TMRW LIFE

The TMRW® Hotels smartphone application is a game-changer digital hotel guest system, that takes guests on a digital experience while allowing hotels/hostels/apartments to operate in a more efficient, automated, less-administrative, green and cost-reduced way. Guests have the freedom to take full control over their stay including off-premises check in, receiving their room key without needing to physically be present at a hotel reception, ordering services and paying for them in the app, setting the desired room temperature while sightseeing the city, and check out.

Year of funding: 2017
Founders: Csaba Kató, Palicz Péter
www.tmrw.life



BEST FEMALE ENTREPRENEUR

BEA has always put a special emphasis on **enterprising females**, and hands out a special prize for the best startup, which has at least one woman among the founders, who also participates in the pitching.



MELINDA SZEGEDI, E-FÁSLI

Melinda Szegedi was only 14 years old when she invented a solution for advanced heat therapy, originally to solve a problem of her own.

Since then, she has been building her enterprise, E-Fásli, winning many competitions including youth startups events in China, while still attending secondary school. She is also active in mentoring young people in entrepreneurship.

Awards presented by
Dr. Enikő Győri, Member
of the European Parliament



WINNER

KINGA BALCSIK-TAMÁS, PHONIC CHAT

Kinga Tamás is not only one of the founders of Phonic Chat, an innovative tool to help musicians create music together, but is also passionate about bringing the music scene together.

She came up with the idea of organizing the music leg of Startup Afternoon, and was an engine of the event.



HARSÁNYI ESZTER, NESTINGPLAY

Eszter Harsányi developed solutions that help disabled children and those in the need of special care to play together with their peer group. She also designed and leads training programs for kindergarten childcare personnel on the topic.

Eszter won the Exceptional Woman of Excellence Award of the Women Economic Forum.





BEST MEDIA PARTNER

Hungarians have put their marks on the media world as well: **Joseph Pulitzer**, the famous publisher, founder of **Columbia School of Journalism**, whose name is bore by the **Pulitzer Prizes**, was born in Hungary. Startups and other players of the ecosystem thrive only if they are backed by a **strong media support**. Therefore BEA announced a special prize for the media outlets that do the most to help the Hungarian innovation.

Awards presented by Dr. Enikő Győri, Member of the European Parliament



WINNER



M1 FORINT, FILLÉR (ELECTRONIC MEDIA)

“Forint, fillér” is a weekly presentation on the national broadcaster M1, and covers all aspects of economy, including innovation. It regularly reports on startups and startup events, and presents the actors of this ecosystem on a thorough way.

Award presented to: Gábor Hermann

www.mediaklikk.hu/musor/forint-filler

MAGYAR HÍRLAP

WINNER



MAGYAR HÍRLAP (PRINT MEDIA)

Magyar Hírlap is a national newspaper in daily circulation as well as an online publication that keeps an eye on the startup scene, and publishes regular updates on the innovation landscape and its actors.

Award presented to: Domokos Zováthi

www.magyarhirlap.hu

blogstar



WINNER

BLOGSTAR STARTUPLAP (ONLINE MEDIA)

Blogstar is a blog platform, on which the StartUpLap Blog is dedicated exclusively to the news and faces of the startup ecosystem, while its other blogs also cover the state of innovation in Hungary.

Award presented to: Gábor Szupkai

www.startlap.blogstar.hu



BEST PUBLIC ADMINISTRATION FOR STARTUPS

As Budapest got the Startup Europe Award for the Best Public Administration for Startups in 2018, BEA decided to open up the competition for all Hungarian city and district councils.



MUNICIPALITY OF KECSKEMÉT

Kecskemét is not only the home of multinational companies such as Mercedes-Benz, but also a municipality supporting local startups.

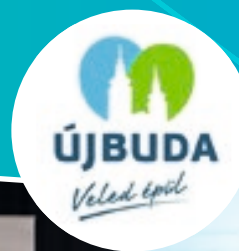
They applied and won with their competition called “5letből Jövő!” (From Idea to Future) that helps young people gain practical knowledge and start their own enterprises.



Category patron:
Budapest Enterprise
.Agency
Awards presented
by Piroska Szalai,
chair of the board

ÚJBUDA

Újbuda, the 11th district of Budapest has been hosting the Spin-Off Klub for more than a decade now that aims to nurture ideas coming from the local universities, and also organizes a startup competition for students.



JÓZSEFVÁROS

Józsefváros, the 8th district of Budapest has put a complex enterprise promotion system in place, including a local incubation center, a startup competition, leasing of district-owned business properties to startups, and provides an extra support for BEA's microfinancing for local SMEs.





STARTUP NIGHT 2019

The Startup Night has been organized by BEA annually since 2015 and is the greatest startup event taking place in Budapest with the support of the city council. A platform where players of the Budapest and international startup ecosystem can meet, and present themselves to the public.

2019 was a year of records for Startup Night: 80 startups and 30 innovation promotion organizations – universities, innovation centers, incubators, major companies, government institutions, delegations from twin cities –, as well as more than 1000 registered guests gathered from 3 continents, 14 countries to network and share their experiences.

The Startup Night also hosted the award ceremony of the Startup Europe Awards Hungary, where the best Hungarian startups went on stage to receive their acknowledgement.

2019 was the first year when the main event was preceded by a side event called Startup Afternoon, where representatives of 4 fields – application development, E-Health, FinTech, and Music – could gather and share their thoughts on the latest developments.

