CZECH STARTUP DAY 2026
CATALOGUE OF CZECH COMPANIES

CzechTrade part of CzechBusiness

Embassy of the Czech Republic in Vienna

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Czech Startups

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3BrainAI

website**: www.3brain.ai**

3BrainAI is a European regtech company building governed evidence workflows for regulated physical-asset risk. Its flagship product, CRI (Construction Risk Intelligence), combines project and operational data with Copernicus Earth Observation to produce short, review-ready Evidence Packs for banks, infrastructure finance teams, insurers, and regulated asset owners.

Each Evidence Pack makes status, confidence, provenance, uncertainty, and review history explicit, helping institutions monitor construction and infrastructure portfolios without replacing expert judgement. CRI is being developed within ESA BIC Czech Republic for cross-border deployment. Its recurring B2B model scales from paid pilots to portfolio and banking-group use across CEE, DACH, and Benelux.

AVALTAR

website: **www.avaltar.com**

AVALTAR develops modular, AI-driven safety technology that helps prevent workplace accidents before they happen. Its SPARK control unit monitors interactions between people and machines in real time, recognizes dangerous situations and triggers configured safety actions without disrupting operations. SPARK adapts to use cases across manufacturing, logistics and construction, from forklift and crane safety to PPE compliance, loading docks and lone-worker protection.

SPARK is part of a connected safety ecosystem. The SET SPARK app makes installation and configuration fast and flexible, while the SaaS EASI 4.0 safety management platform gives HSE teams a clear overview of devices, incidents and safety insights across the site. By combining in-house hardware, custom trained neural models, IoT connectivity and hands-on industrial expertise, AVALTAR delivers a solution that is accurate, cost-efficient and built to fit the needs of each customer. With 35+ paid projects, 22 international distributors and 900+ inbound leads, AVALTAR is ready to scale and help more industrial companies automate their safety.

Buinsoft

website: **www.buinsoft.com**

Buinsoft is a Prague-based IT and AI consulting firm shaping the digital transformation of businesses across Europe. The company combines AI solutions, custom software development, and database expertise into a single, integrated offering for organisations that want to modernize with measurable impact.

Its services span AI agents and automation that cut operational costs, custom mobile, web, and enterprise application development, and full-stack Oracle and database services including migrations, disaster recovery, and DBA support. Buinsoft also offers DevOps, cloud, and data-integration services, along with strategic IT consulting to align technology investment with core business objectives — making it a one-stop technology partner for companies scaling across Europe.

forestum.ai by kindwise

website**: www.forestum.ai**

Forestum.ai is a specialized technology designed for automated forest analysis and digital inventory. It processes high-resolution drone imagery and terrestrial/aerial LiDAR data using advanced machine learning models to map forests at an individual tree level. The technology is built upon 10+ years of global success in combining natural sciences and technology through machine learning-based organism identification (such as Plant.id) by an experienced team from Kindwise.

The underlying AI models are specifically trained on complex, species-rich mixed environments typical of Central Europe, where traditional remote sensing methods frequently hit their limits due to the challenges inherent in detecting trees within such intricate forest cover. Forestum.ai delivers review-ready data including recise tree location, Tree genus and species composition, Tree height, Diameter at breast height (DBH), Wood volume estimation. By converting aerial data into comprehensive reports, georeferenced GIS layers, including GeoJSON and other formats, Forestum.ai accelerates decision-making, streamlines forest management planning, and optimizes timber stock valuations for owners, forest managers, and planners. Especially in cases of property sales or applying for financial compensation due to restrictions in nature-protected areas, this precise data-driven approach provides verifiable proof of asset value and ensures fair pricing.

Fytolaser

website**: www.fytolaser.cz**

FYTOLASER is a Czech agri-tech company specializing in non-chemical laser treatment of seed. Building on more than 35 years of research into laser exposure and photobiology, FYTOLASER's mission is to bring sustainable, chemical-free technology to modern farming that naturally improves germination, vitality, and crop resilience.

The company's mobile laser units are transported and installed directly at the customer's site, treating seed for crops such as rapeseed, sugar beet, barley, maize, soy, and potatoes. Field trials with Mendel University and leading Czech research institutes show benefits including stronger early leaf coverage, faster and more even germination, greater root potential, and higher resistance to spring frost — delivering higher yields at low cost. FYTOLASER already has references across the Czech Republic, Slovakia, France, and Germany.

Get Out Fun (City Street Games)

website: **www.getoutfun.com/de/**

At Get Out Fun, we help local authorities and tourist destinations make their locations or regions more attractive by blending the real world with modern technology in our experiential programmes. We create bespoke adventure stories for our clients, tailored to their specific location, which visitors can enjoy on site in the form of a game via a mobile app. During the game, players complete tasks, solve puzzles, follow a route and learn more about the place they are visiting in a fun and engaging way. By gamifying the way information is conveyed, we are developing experiential tourism.

In addition to the creativity of the story writers, the client solution is based on unique technology that enables the creation of game content within a mobile app without the need for programming. This technology, which has been in development since 2018, has already been tested by more than 30,000 end users.

Get Out fun is the market leader in the Czech Republic in the field of outdoor escape games (within the B2C segment) and in the field of experiential tourism using a mobile app (within the B2G segment).

Groundcom

website**: www.groundcom.space**

Groundcom builds and operates a global network of ground stations providing connectivity for satellite operators. The Brno-based company develops next-generation ground segment infrastructure across VHF, UHF, S, and X bands, offering telemetry, tracking and command (TT&C) as well as payload data downlink services.

Groundcom offers both a shared ground station network for cost-efficient, scalable constellation operations and dedicated, on-premise networks for missions requiring complete independence and control. Its standalone ground station products are engineered for rapid, field-ready deployment and autonomous operation with full remote monitoring, serving Earth observation, telecommunications, and IoT satellite missions. An Early Adopter Program offers discounted access to startups, universities, and research institutions entering the space sector.

Herbavita CZ

website: **www.eshop-herbavita.eu**

HERBAVITA CZ develops and produces supplementary feed for livestock, serving both conventional and organic farming across Europe and Asia. With 30 years on the market, the company combines nutrition, technology, and expert advisory to keep herds healthy and improve farm profitability.

Its phytobiotic-based products — mineral licks, vitamins, yeast derivatives, and calving and mastitis-support formulas — offer a natural alternative to antibiotics, strengthening immunity and digestion while reducing dependence on costly medication. HERBAVITA also supplies farm-based rapid diagnostic tests, including antibiotic-residue detection in milk, and is currently developing an AI-based solution for early detection of dairy cattle disease, recently recognized in a cross-border start-up contest.

HTG Medical

website**: www.htgmedical.com**

HTG Medical automates urine output monitoring in intensive care units with the HTG Urogram, a compact device that continuously measures and logs data directly from the patient's drainage bag every five minutes — with 97% accuracy and no manual charting.

Co-developed with ICU nurses, physicians, and biomedical engineers over more than 4,000 hours of bedside testing, HTG Urogram helps clinicians spot early signs of acute kidney injury, oliguria, and fluid imbalance while saving nurses up to 60 minutes per shift. The wireless, battery-powered device runs for over three months per battery set and has been validated with more than 50 ICU professionals across European hospitals, including IKEM in Prague. HTG Medical is now expanding through a growing distributor network across Europe.

Instria

website: **www.instria.cz**

Instria prints ultra-thin, high-precision sensors directly onto machine components, turning airframes, batteries, pistons, and other industrial parts into smart, connected systems. Its patent-pending hybrid laser-printing process deposits conductive nanomaterial inks onto complex, rigid, and predominantly metallic surfaces, with laser-based surface treatment ensuring exceptional adhesion and durability.

The method is optimized for producing sensors that measure temperature, heat flux, strain, wear, and damage, as well as heater elements and antennas — extremely lightweight, low-profile, and built for harsh operating environments. Compared to conventional sensors, Instria's approach eliminates costly housings and manual assembly, enabling scalable, automated production. Use cases already explored with industrial partners include strain measurement on airframes, battery temperature monitoring, de-icing of critical components, and integrated antennas. Instria is actively seeking pilot projects.

Monomo

website**: www.monomo.ai**

Monomo is a decision platform that guides manufacturing companies to the right external expertise — in days, not weeks. Rather than operating as a consultancy or an open marketplace, Monomo is a trusted platform where companies meet verified experts, teams, and solutions precisely when they matter most.

Companies define a structured project brief covering goals, constraints, timing, and budget, and Monomo's matching engine scores experts against those needs, returning a probability of fit rather than a blind recommendation. Companies can review all matched options before any commitment or payment is required, then make their selection with clear objectives, oversight, and feedback loops throughout delivery. Backed by the EIT innovation ecosystem, Monomo is currently onboarding design partners.

Plastic Guys

website**: www.plasticguys.cz**

Plastic Guys is a Brno-based startup that manufactures panels and furniture from 100% recycled plastic, turning discarded material into premium, design-grade building blocks for architects, designers, and furniture makers. What began as a student architecture project has grown into a company supplying cafés, offices, and public spaces across the Czech Republic and abroad.

Each panel is made from a single plastic type, ensuring full recyclability and long product life. Plastic Guys has collaborated with brands including Adidas, mmcité, and the Ambiente restaurant group, and partnered with Green0meter to measure the carbon footprint of its products. The company is now scaling into larger formats and expanding into new export markets, proving that recycled plastic can be both sustainable and design led.

PSP Technologies

website**: plasmashockpeening.com**

PSP Technologies develops a compact shockwave generator for plasma shock peening — an advanced surface engineering method that extends the fatigue life of metal parts. A spin-off from the Institute of Thermomechanics of the Czech Academy of Sciences, the company offers a cost-effective alternative to laser shock peening (LSP): a controlled plasma burst propels an impactor to around 4 km/s, generating a shockwave that induces beneficial compressive residual stresses in the surface layer, matching LSP-level results at a lower price.

The technology strengthens metal against fatigue, crack growth, corrosion, abrasion, and cavitation, reaching depths of 1 mm or more. Since it needs no optical access to the surface, it can treat internal parts and hard-to-reach corners. Based in Mělník, Czechia, PSP Technologies offers its solution as an application service, equipment rental, or outright sale.

Rescue Trailer

website: **www.rescuetrailer.cz**

Rescue Trailer designs and manufactures a new generation of modular tactical trailers for military, rescue, law-enforcement, and civil forces, engineered to expand the capabilities of existing vehicle fleets without requiring new towing vehicles. Built for rapid deployment and long-term operation in extreme off-road conditions, the trailers are homologated for road use and towable behind both standard and military vehicles.
The modular architecture supports a wide range of configurations, from drone and anti-drone platforms to mobile medical and command units, and specialized modules for forensic, CBRN, EOD, diving, logistics, and ultra-light aircraft support. Each unit can be equipped with power generators, water tanks, satellite and radio communication, cameras, radar, and ballistic protection. Rescue Trailer collaborates with research institutions and industrial partners and exports to defense and civil customers across Europe, the Middle East, and beyond.

SophoMer

website: **www.sophomer.com**

Sophomer is an academic startup bringing together polymer chemistry and immunoassay science to solve a long-standing bottleneck in diagnostics. Founded by researchers and industry professionals, its first product, SophoMer™ F10, is a fully synthetic material designed to replace bovine serum albumin (BSA) as the standard non-specific binding blocker in immunochemical assays.

Unlike animal-derived BSA, SophoMer™ F10 is chemically defined, free of animal components and pathogenic contaminants, and delivers highly effective blocking performance at lower required concentrations. This gives IVD diagnostics developers a more consistent, reproducible, and ethically sourced alternative for one of the most widely used — and least standardized — components in immunological analytics, supporting the next generation of diagnostic assay development.

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spiroq

website**: www.spiroq.com**

spiroq.OS is an operating system for vending machines that transforms passive vending boxes into data-driven, intelligent sales nodes. Running on Android-based hardware, it gives operators real-time cloud fleet management, remote diagnostics, and control from a single dashboard instead of costly on-site service visits.

The platform integrates vending machines with delivery services such as Wolt and Foodora, turning them into active dark-store nodes, and synchronizes stock in real time across online and offline channels. Its Wendy AI engine analyzes sales data to recommend bundles, promotions, and restocking schedules, while strict FIFO inventory logic and photo-documented audits minimize waste from expired goods. spiroq already supplies and services machines across the Czech Republic, Slovakia, Poland, Austria, and Germany.

Terrapino

website: **www.terrapino.com**

Terrapino, developed by the AlzheimerChain Foundation together with leading Czech neurologists, is a free mobile app for longevity and healthy brain ageing. After registration, users complete the ARA questionnaire, which estimates individual risk of developing Alzheimer's disease, alongside an emotion-recognition test offering further cognitive insight.

The app supports physical activity through step tracking and offers structured cognitive brain training, giving users an everyday companion for reducing dementia risk regardless of age. Data gathered through Terrapino also feeds ongoing research into Alzheimer's prevention and treatment. The project is backed by the Kooperativa Insurance Foundation and the Alzheimer Endowment Fund and was founded by physicians with decades of experience in neurology and the pharmaceutical industry.

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