

Nr	Firma/Projekt	Name	Vorname	Cluster	Ihr Projekt in 5 Sätzen (Elevator Pitch)
11	Experify AG	Pfitzner	René	Information & Communication Technology (ICT)	Word-of-mouth und peer-experiences sind schon heute die leistungsstärksten "purchase drivers". Leider sind diese bisher nicht gezielt für Brands nutzbar. Experify ist Marketingtechnologie um genau dies zu ermöglichen, indem wir es Brands erlauben potentielle Käufer mit glücklichen Kunden zu verbinden. Unsere Lösung wird als Plugin in den Webshop der Brand eingebunden und ermöglicht es an dieser Stelle potentiellen Käufern existierende Kunden (in der Nähe) zu finden, mit Ihnen Kontakt aufzunehmen, sich auszutauschen und sich u.U. auch zu treffen um das Produkt zu testen. Dadurch werden der word-of-mouth Effekt und authentische Produkterfahrungen, als effizienteste Umsatztreiber, gezielt und in authentischster Weise forciert. Teilnehmende Kunden erhalten für ihre Teilnahme Brand-Rewards.
12	haako gmbh	Dietsche	Moritz	Information & Communication Technology (ICT)	"Breathe" is a cloud-based asthma platform that helps parents and doctors achieve continuous care and optimal outcome for children with pediatric asthma. Our approach is to enable and guide parents through disease management according to best practices and serving as a "doctor in your pocket" by delivering instant diagnosis of their child's current condition. Recommendations are made, based on predicted future conditions and presence of asthma trigger factors existing in their vicinity. Doctors use "Breathe" to remotely monitor their patient's current asthma, access automated analyses and predictions, as well as to update treatment plans, contact parents or call in children between scheduled checkups. Combined, this leads to better care and outcome for children at lower costs.
18	Hi-D Imaging AG	Gölan	Utku	Medtech / Healthtech	Every person has a unique anatomy but why are they treated the same? Every 4th patient with a heart valve implantation needs either to be re-operated or needs to take life-long medication. We provide precision medicine to cardiologists, which allows defining the optimum heart valve and the best implementation location for each individual patient. We are the world's first company monitoring time-resolved 3D turbulent blood flow patterns in the human heart. We have developed a novel in-vitro heart valve selection tool based on additive manufacturing, optical imaging and fluid dynamics. Our service (1) provides patient-tailored therapy; (2) increases success rate of the operations; (3) increases patient's quality of life; and (4) optimizes the design of the next generation heart valves.
20	Yonder AG	Vogel	Thomas	Interdisciplinary / Services	We solve an un-sexy problem in the aviation industry and scale it globally: Documentation. We deliver dynamic documents which results in much shorter manuals and manageable revisions. An airline pilot has to read manuals of more than 10'000 pages. Those manuals are updated 12-24 times a year. Because the changes are not visible immediately, pilots have to read the whole manuals again after each update. In the back office of an airline meanwhile, the most expensive resources do administrative and editing work: technical pilots do formatting work instead of working on subject matter, and chief pilots approve revisions in physical meetings. Our solution to these problems: A fusion of software and service that scales globally, bringing efficiency to the end-to-end documentation process.

36	GeneLook AG	Gutierrez	Daniel	Life Sciences & Biotech & Pharma	<p>GeneLook is a mobile APP that allows rare disease patients identify, extract and share with the pharmaceutical industry the genetic mutations within their DNA that makes them sick. The APP allows rare disease patients form groups based on their specific diseases to give them a stronger voice to advocate for themselves. We expect solving the needs of 400 Million rare disease patients worldwide actively engaged to solving their unmet healthcare needs. - Patients worldwide form virtual groups based on genetic variant specificity.</p> <p>-Data sharing is secure, anonymous and instantaneous.</p> <p>-GeneLook accelerates patient recruitment for trials.</p> <p>-The high engagement of rare disease patients on social media will lead to faster adoption of our solution. - Patients find value-based engagement in our App.</p>
42	Next Tuna	Sindilariu	Paul-Daniel	Cleantech	<p>To be the first Company dedicated to sustainably reproduce and commercialize Atlantic Bluefin Tuna (ABT) Fingerlings.</p> <p>To become the worldwide leading supplier of ABT Fingerlings for Aquaculture grow-out facilities.</p> <p>Constant improvement of the business by means of:</p>
45	PeriVision	Stapelfeldt	Jan	Medtech / Healthtech	<p>Glaucoma is the second leading cause of blindness worldwide, affecting almost 80 million people. It's an incurable eye disease that can be treated using eye drops and medication. Often the disease is diagnosed when major damage to the optic nerve has already occurred. Today's gold standard are huge, stationary devices with testing times of up to 8 minutes per eye. I believe that with emerging technologies like Virtual Reality and smartphones, there is a huge potential to avoid blindness that could be prevented by treating the patients early enough. With PeriVision we want to help avoid preventable blindness worldwide. We have a solution that is portable, low-cost and much more effective using AI algorithms to cut down examination times by 40%.</p>
48	REM Analytics	Refinetti	Paulo	Life Sciences & Biotech & Pharma	<p>We enable the development of evidence-based therapies acting through the microbiome. Working with functional ingredient producers, we offer them a comprehensive research service centered on microbiome. If they have a product already, our service allows them to accurately measure its effect, gather the evidence required to make claims, and/or optimise its performance. Else, we can study a disease, and understand the key microbiome-differences that characterise it, differences that can be used as initial targets.</p> <p>Our technology is the only one available today with the quantitative precision, sensitivity and breath of analysis to really enable these developments.</p>

51	Kido Dynamics	Barrios	Ignacio	Information & Communication Technology (ICT)	<p>Democratise big data Simplify mobility solutions Boost data driven economy</p> <p>Mobile phone data is the most inclusive available set of data, and represents an extremely accurate picture for people's mobility. Unfortunately, this data is massive, noisy and unstructured, and it requires very specific skills and techniques to transform it into actual information. Understanding where people come from, where they go to, for how long, who move and who don't... has massive implications in the decisions we make every day: from which school our kids will go, to how much money should a government invest in a new infrastructure. We make data so that these decisions are actually data driven.</p>
58	Sevensense Robotics AG	Hitz	Gregory	Information & Communication Technology (ICT)	<p>Mobile machines manufacturers are more and more in need of advanced self-driving technology. They strive to automate those dull, dirty, dangerous and repetitive tasks that distress workers in multiple industries and increase operational efficiency. Sevensense's autonomy-in-a-box is a versatile autonomous navigation system for all types of ground robots. With its unique ease of use, it enables non robotics experts to give self-driving capabilities to their machines even in complex environments such as crowded supermarkets, train stations and airports. Our custom multi-camera sensor, proprietary navigation algorithms and advanced machine learning techniques have been already proven on multiple platforms like industrial cleaning machines, forklifts and both indoor and outdoor delivery robots.</p>
60	LiVET AG	Pfister	Tim	Life Sciences & Biotech & Pharma	<p>LiVET develops and produces rapid molecular point-of-care diagnostic tests for veterinary diagnostics. Based on our proprietary platform technology, veterinarians are able to diagnose infectious diseases right on-site and at once within just 30 minutes. This allows for immediate and specific treatment to reduce the spread of infectious diseases, fight antimicrobial resistances and increase animal health. Our first panel test for respiratory diseases in horses including Strangles, EHV 1+4 and Influenza will be available by summer 2020.</p>
63	Annaida Technologies	Conley	Gaurasundar	Medtech / Healthtech	<p>Every year more couples turn to In Vitro Fertilization (IVF), but only 35% succeed after the first cycle, multiplying pain and costs as more cycles and tests are required. Current technology used to screen embryos and their viability is too limited to increase the success rate. The proposed solution is a new product for effective screening of embryos, EmbryoSpin, consisting of a disposable medical-grade sensor. In just 1 hour the sensor can read chemical information non-invasively from inside the embryo. The sensor helps IVF clinics who want to guarantee higher success rates for patients by enabling a fast, non invasive and quantitative embryo screening, reducing the need for multiple cycles and thus helping patients achieve their dream of starting a family.</p>

65	Microcaps AG	Ofner	Alessandro	Micro- & Nanotechnology	Mikrokapseln werden benötigt und aktive Materialien zu beschützen und an ihr Zielort zu transportieren. Beispiele hierfür sind Medikamente, Duftstoffe, Aromen und Probiotika. Die Challenge ist heutzutage, dass diese Mikrokapseln in grossen chemischen Reaktoren mit riesigen Mixer hergestellt werden, sodass die Mikrokapseln eine extrem unkontrollierte Grösse bekommen. Da die Grösse der Mikrokapseln einen direkten Einfluss auf ihre Freisetzung hat, bedeutet, dass unkontrollierte Mikrokapseln eine unkontrollierte Freisetzung haben. Microcaps hat eine patentierte Technologie, welche erlaubt, alle Mikrokapseln genau gleich gross herzustellen - nach schweizerischer Präzision: Gleiche Grösse bedeutet gleiche Freisetzung, man kann direkt voraussagen, wann, wo und wie die Substanz freigesetzt wird.
72	Regenosca SA	Larsson	Mattias	Medtech / Healthtech	Regenosca offers an engineered graft to patients suffering from bladder cancer, chronic bladder inflammation or bladder birth defects. Thanks to our graft, patients can preserve their bladder and avoid urinary diversion while reducing the surgical risk of today's current treatment. Our set of preclinical data convinced an ethical board to approve a first human safety study. First patients will be operated in 2020. Each year, more than 100'000 patients in Europe and US could benefit from our patented technology platform after its planned product approval in 2024.
74	Logic Flow	Fiévet	Lucas	Information & Communication Technology (ICT)	Code migrations are a necessary evil with high costs and low immediate return for CIOs, who are pressured to migrate their legacy code to remain competitive. Logic Flow's automation software, which is based on deep learning, is like a "Google Translate" for code and allows companies to migrate their code within a fraction of the time and costs. As a start, Logic Flow will focus on the AngularJS to Angular migration market and further scale it's AI technology to expand into other migration and automation markets. Our solution boosts productivity, innovation, and growth and reduces costs significantly of companies that have legacy code.
75	RyBa Solutions GmbH	Barhoumi	Rafik	Cleantech	Green-Y - Energy future today: Economic and clean energy storage provides renewable energy WHEN and WHERE it is needed. Combining electricity and heat/cold energy in one device results in unrivaled low storage costs. The scalability and its central and decentral applications result in a wide range of use cases as well as potential customers and target markets. Our patent pending technology is proven on a prototype and the first two customers are secured! Join the energy revolution – today.
78	AlveoliX AG	Stucki	Janick	Life Sciences & Biotech & Pharma	AlveoliX AG is a Swiss-based biotech company that will change the drug development process. We will do so by providing better and more relevant in-vitro models inspired by nature. AlveoliX provides unique organ-on-chip technologies aimed at improving preclinical decision-making and thus reducing drug development costs and replacing cruel and inefficient animal experiments. The company has developed and patented the world's first lung-on-chip, which mimics the 3-dimensional movements of a breathing lung. Our product is a game-changer and thus, despite our young history, we already work together with top pharma companies, which support us in our vision of: Helping patients and reducing animal experiments by increasing the relevance of in-vitro models with the organ-on-chip technology.

92	Beo Therapeutics AG	Nielsen	Rikke C	Life Sciences & Biotech & Pharma	BEO develops oral microbial treatments that optimise urate metabolism and treat the underlying metabolic disorder of gouty arthritis, chronic kidney disease and hypertension. Products will be positioned as non-prescription treatments, medical foods, that compliments strict diet and drugs. Medical foods development has the potential to disrupt the conventional drug development paradigm and enable a highly abbreviated path to commercialisation. Further, medical foods can be further developed into drugs if advantageous. Beo Therapeutics anticipate an exit via licensing in 4 years.
93	SELPH	Jatautas	Marius	Medtech / Healthtech	There are no solutions right now on the market that would allow to have an answer to your sexually transmitted disease (STD) test quickly and privately. SELPH develops an STD self-screening device that allows us to get answers here and now. During our studies at EPFL, we have re-engineered complex optical reader and test strips so that any consumer could perform the screening on their own. This ensures that the test preparation is completed in a minute and your results are ready in 10 minutes. Once your results are available you can review them in your privacy and if there is a need to see a doctor SELPH will guide you through the whole process.
94	CompPair Technologies SA	Cohades	Amaël	Interdisciplinary / Services	CompPair brings on the market healable and sustainable material solutions to reduce repair time from hours to minutes and improve circularity in the composites industry. It is the result of 12 years of thorough research in the field of self-healing composites from EPFL in Lausanne. We are now able to deliver an efficient smart and bio-inspired solution for extending the lifetime of composite structures. CompPair provides smart prepreg (preimpregnated textiles) semi-products integrating a novel chemistry and compatible with existing production lines of structural composite materials. Reducing maintenance costs, increasing products lifetime and improving global sustainability while keeping standard specifications are the opportunities we provide to the composites industry.
96	DOKOKI AG	Wegmüller	Tobias	Information & Communication Technology (ICT)	1. Der DOKOKI Baby SleepGuard ist das erste alltagstaugliche All-In-One System zur ganzheitlichen Gesundheitsüberwachung des Babys. 2. Mit der umfangreichsten Sensorik am Markt und zum Patent angemeldeter Bewegungsresistenz misst der SleepGuard präziser als alles bisher Dagewesene, 3. und kann nach erfolgter medizinischer Zertifizierung Eltern im TelMed-Verfahren für eine Ferndiagnose direkt mit einem Arzt verbinden. 4. So können Eltern nicht nur ruhig und sorglos schlafen, sondern künftig bei gefühlter Unsicherheit direkt eine faktenbasierte Meinung eines Mediziners einholen und sich den Gang zur Notaufnahme in zahlreichen Fällen sparen. 5. Dank selbstlernendem Algorithmus können kritische Situationen präventiv vermieden und enorme Gesundheitskosten eingespart werden.
98	Flybotix	Bouabdallah	Samir	Micro- & Nanotechnology	Drones adoption for industrial inspection has started, but flight time is still a strong limitation. Flybotix technology aims to double the flight time of compact drones. We use our technology as a building block to create a 350mm, dual rotor, collision tolerant drone. The system is suitable for indoor inspection with superior flight time, a more compact system and a better image quality. The technology is usable in virtually any drone application.

100	Dicronis GmbH	Marschalkova	Patrizia	Medtech / Healthtech	Dicronis is an ETH spin-off startup company developing diagnostic solutions for diseases with high unmet medical need. The first product in our pipeline, Lymphit, allows for the first time for the earliest possible diagnosis and an effective monitoring of lymphedema. The latter is a frequent complication of therapies of some cancer types, manifested as a chronic and progressive swelling of a limb but primarily caused by a malfunction of the lymphatic system. According to this, Lymphit goes back to the root cause of the disease by assessing the activity of the lymphatics. This is in high contraposition of the current diagnostic solutions, which are targeted to the measure of the extent of the swelling over time (e.g. circumference or volume measurements).
101	SmartHelio	Upadhyay	Govinda	Cleantech	SmartHelio enables solar operators to monitor their entire network through remote reporting, hence improve the reliability of a solar PV plant. We use affordable technology (SMS, cloud) with our proprietary AI algorithm (detecting transients) and plug-and-play design to predict and find flaws and send informative alerts that provide rapid fixes in a solar plant. Anyone can monitor electrical current. Only SmartHelio does it continuously, reliably, cheaply, informatively, and painlessly across networks of solar rooftops. Existing solutions are expensive and don't provide data-driven actionable advises and this leads to 20 billion CHF loose to PV industry.
115	Droople	Bouzerda	Ramzi	Cleantech	Nous avons tous bu un verre d'eau fraîche ou un bon café au distributeur. Pour garantir une qualité constante que nous attendons tous, les prestataires doivent gérer les filtres en fonction de leur usage, sinon la qualité du produit et la durée de vie des actifs diminuent. Aujourd'hui, Culligan, Brita ou WaterLogic gèrent 145M d'actifs répartis dans le monde. Grâce à notre technologie, ils les surveillent à distance pour une maintenance planifiée, réduisent leurs coûts de service de 30%, augmentent leurs ventes de consommables tout en contribuant à un monde meilleur avec moins de bouteilles en plastique et de CO2. Nous sommes en discussions avancées avec ces acteurs pour gérer 5'000 unités en 2020 et 250'000 unités en 2024 grâce à notre modèle hautement évolutif et récurrent.
118	b-rayZ GmbH	Rossi	Cristina	Medtech / Healthtech	Human errors and insufficient training in the interpretation of breast imaging findings reduce chances of cancer detection. Our first product, the b-box, relies on AI algorithms for automated and real-time evaluation of breast density and image quality. The tool saves costs by decreasing the number of recall examinations. It boosts the workflow allowing 2 more examinations per day. It tracks quality performances for regulatory reporting. It is scalable to an end-to-end solution for breast imaging professionals. Our customers are radiological institutes and breast cancer screening centers. For the first product, we will apply a B2B model with subscription licenses of 35 kUSD/year. Forecasts predict a net positive cash flow by 2022 and revenues of 20 MUSD by 2024.
122	BLP Digital AG	Beck	Tim	Information & Communication Technology (ICT)	Information extraction from documents is needed in many business processes. Especially for business relevant documents containing fine-grained table data (e.g. delivery notes or invoices), traditional information extraction software falls short and needs manual rework. We are an ETH spin-off company and leverage a machine learning approach with much higher accuracy rates and reliability compared to the market status quo solutions and thus promise high cost savings. We specialize in ERP relevant document types yet our solution can easily adapt to further document types. We sell our SAAS model to software providers and corporates, charge per document processed, and offer solutions for cloud and on-premise, which both can be integrated into legacy systems using RESTful APIs.

124	Inanna AG	Waegli	Amra	Medtech / Healthtech	Inanna develops clinical decision support algorithms for fertility clinics supporting all major steps of the In-Vitro-Fertilization (IVF) process (probability of success, ovarian stimulation, egg follicle & embryo grading, implantation). We make available the collective experience of >1m successful & failed IVF cycles to fertility specialists in order to dramatically improve success rates lowering the emotional, financial and medical burden of IVF for patients. We bring personalized healthcare to the fertility sector aspiring to set a new globally accepted clinical standard in administering IVF based on personalized recommendations. Our vision is that no IVF cycle is lost to trial-and-error as we connect the dots to enable data-driven clinical decision making powered by AI in fertility.
126	terrabiom	Pinto	Eric	Life Sciences & Biotech & Pharma	Today, 30 % of agricultural soils are degraded with an annual global cost estimated at 300 billion. Farmers and governments need urgent solutions to reverse this trend. Terrabiom is committed to transforming unsustainable practices into regenerative solutions for our soils and healthy food production. In collaboration with Agroscope, we develop soil prebiotics that accelerates soil organic formation and promotes beneficial microbiomes. On one hand, our innovation helps microbiome companies to offer a personalized, dosed and extended biological action of their formulations. On the other hand, we help farmers to reduce operational costs, improve soil regeneration and grow healthy food products. Healthy soils mean, healthy food for you, your children and a better planet.
127	NuImmune	Vongrad	Valentina	Life Sciences & Biotech & Pharma	Endometriosis is a painful, chronic, infertility causing & recurrent disease affecting 10% of women of reproductive age, with no known cure. Current treatments are limited in their efficacy and are largely palliative in nature. Our product Nu1 is the first curative and preventive treatment for endometriosis. It is nonhormonal, curative, preventive, treating pain & supporting fertility, & with a good safety profile. Nu1 is based on the prototype of our novel machine learning optimised universal immunotherapy platform. There is an unmet medical need for universally applicable immunotherapies that can target a broad range of ailments while being safe and technically scalable. Nu1 and our immunotherapy platform could usher an era of novel, scalable, and widely applicable immunotherapies.
130	Textile ECG Solution	Näf	José	Medtech / Healthtech	Wir sind ein Empa Spin-Off und entwickeln eine textile EKG-Lösung zur kontinuierlichen Langzeitüberwachung der Herzaktivität sowie kardiovaskuläre Erkrankungen. Kardiovaskuläre Erkrankungen sind weltweit die häufigste Todesursache. Anders als die Gel-Elektroden kann unsere textile EKG-Lösung problemlos 7 Tage bis zu mehreren Wochen getragen werden und braucht zudem keine mühsame Verkabelung. Ein Langzeit EKG von mindestens 7 Tage ist deshalb essentiell, da es im Vergleich zu 24h EKGs die Wahrscheinlichkeit der Erkennung einer Herzrhythmusstörung drastisch erhöht (von 15% auf 70% bei bestimmten Herzrhythmusstörungen). Die Signalqualität unserer Lösung ist klinisch validiert und es sind bereits weitere Studien mit der Empa, dem KSSG und dem USZ geplant.

131	MEMBRASENZ	Stojadinovic	Jelena	Cleantech	<p>The goal of MEMBRASENZ is the development, production and commercialisation of membranes, which serve to produce hydrogen as an energy carrier. Hydrogen technology can help mitigate some of the humanity threats, such as the climate change and conflicts over petroleum resources.</p> <p>Water electrolysis is the only green commercial process for the production of hydrogen. Membranes are the core components of electrolyzers. Our patented membranes increase the efficiency of the hydrogen production and reduce hydrogen price for the end user. Six leading water electrolyzers' manufacturers worldwide, provided LOIs for using our membranes. The next step of our highly qualified team, on the mission to contributing to a more sustainable future, is the membrane production upscale using Industry 4.0.</p>
132	SUIND AG	Spori	Michael	Interdisciplinary / Services	<p>Our goal is to unlock the potential of drones to generate a tremendous positive impact on our environment and society. While many drone manufacturers and operators today struggle to fully provide the benefits they could because of a lack of safety, we aim to give them peace of mind when flying their drones by solving all safety issues for them. To do this, we present a certifiable AI-based safety-critical device that can be easily connected to any drone, providing safe and precise landing, obstacle avoidance, redundancy for sensor or flight controller failure and worst-case contingency measures. Our device employs advanced computer vision, AI and control algorithms to provide a robust, low-cost, lightweight and precise solution to the stated problems.</p>
134	NextDay.Vision SA	Kapfer	Philippe	Information & Communication Technology (ICT)	<p>Combien de login web et de login applicatifs avez-vous ? Combien de mots de passe avez-vous et pourquoi sont'ils complexes ? "A better security without a password" "A easy digital life 4 all" "Now, forget your passwords and use your memory for real stuffs"</p>
135	RetinAI Medical AG	Ciller	Carlos	Interdisciplinary / Services	<p>Today healthcare is under the pressure of an ever increasing ageing population, growing much faster than the number of health professionals. This situation increases waiting time in hospitals and, for age-related eye diseases, increases the chance of patients losing their eyesight in a malignancy where timing and early diagnosis is crucial. RetinAI develops software to make eye clinics &amp; health institutions more efficient. The company builds software tools to collect, organise and analyse health data from the eyes, empowering healthcare professionals, with faster and reliable data analysis supported by AI. RetinAI integrates its solution inside clinics' infrastructure &amp; into medical devices, interconnecting the clinical pipeline and reducing the time and cost it takes to evaluate patients</p>
136	EH Group Engineering AG	Matian	Mardit	Cleantech	<p>Our value proposition lies in delivering a compact, lightweight and cheap energy generator to the market with high efficiency and minimal emissions.</p> <p>EHG's innovative fuel cell technology, based on a wholly redesigned and simplified microstructure, promises to deliver a power density of 1.5 times that of leading competitors' products.</p> <p>In addition, our transformative production process aims to make EHG become the market's lowest cost producer. Together these attributes should help accelerate the growth of the global fuel cell market, in stationary and particularly in mobile applications. For example, the electrification of heavy transport, such as buses, trucks and maritime vessels where batteries cannot compete on range, weight and refueling time are perfectly suited for it.</p>

137	UniSieve Ltd	Hess	Samuel	Cleantech	UniSieve is a cleantech spinoff from ETH Zürich that offers a unique separation membrane platform technology. Our vision is to support chemical and energy companies in increasing yields, lowering CO2 emissions, and energy spending during the production of renewable or conventional feed-stocks. Unlike other technologies, UniSieve membrane add-on units can extend existing and new infrastructure, and the unique separation performance allow to recover currently lost resources (ROI: 0.5-2 years). By successfully implement our technology, UniSieve will significantly contribute to a net zero emission economy.
140	FenX AG	Jeoffroy	Etienne	Cleantech	We tackle the world's energy and greenhouse gas challenges by disrupting the building insulation market. Based on a patented foaming technique, we produce highly porous inorganic foams made from abandoned raw materials following concepts of circular economy. The results are high-performance insulation foam products with an exceptionally low carbon footprint specifically designed for projects based on construction companies' specifications.
144	Advancience AG	Vogler	Christian	Medtech / Healthtech	Advancience Ltd is a neuroscience technology company that marries a distinctive user-centric approach for structured big data collection with advanced analytics. We provide a next-generation psychometric toolkit for objective evaluation of neuro-cognitive functioning to address the prevalent subjectivity bias in mental health diagnostics. The innovative concept of our game-based and scalable platform technology allows gathering full range normative data from ultra-large cohorts. This provides the basis for longitudinal and high-resolution assessments that put individual performances into perspective and allow deriving highly informative trajectories of mental health for clinicians and life sciences R&D.
145	AccuBio	Melnykowycz	Mark	Medtech / Healthtech	1 in 5 adults will suffer from depression and be prescribed antidepressant medications. Currently these are prescribed by trial-and-error, leading to long treatment times (3-4 weeks are needed before seeing if a medication is working or not). This results in high hospitalization costs and a decreased quality of life. AccuBio personalizes depression treatment, helping patients to understand their symptoms and supports doctors in clinical decisions, predicting the best drug for a patient. This reduces drug cycles, saving 40% on patient hospitalization costs and improving patients' lives. Patients will assess symptoms and track how their health is improving. Doctors predict symptom progression, removing trial-and-error from the treatment process.
147	Prognolite	Michel	Simon	Information & Communication Technology (ICT)	We help restaurants to reduce food waste and improve staff planning by telling them the demand for any day in the future. The head chef has to estimate how many of which meals he/she should prepare. He/she has to find the balance between food waste and sold out meals. The restaurant manager has to estimate how much turnover he is going to make in order to have a good balance between staff costs and a waiting time. Our machine learning algorithms learn from sales data as well as factors such as weather, vacation, events, holidays, etc. to predict the meals sold and turnover made.

158	OnlineDoctor AG	Wolf	Tobias	Medtech / Healthtech	Vorbei sind die Zeiten, in denen Patienten 3 Monate auf einen Termin beim Hautarzt warten mussten. Mit OnlineDoctor erhalten Patienten und Zuweiser innerhalb weniger Stunden für CHF 55.- eine professionelle Diagnose des Hautproblems. Der Patient oder der überweisende Arzt schickt 3 Fotos des Hautproblems über die Plattform an einen von über 250 Spezialisten und füllt einen kurzen, medizinischen Fragebogen aus. In über 90% der Fälle können die Patienten ausschliesslich über unsere Plattform behandelt werden und es ist kein persönlicher Arztbesuch erforderlich. Dies spart Ärger, Zeit und Geld. Daher zählen mittlerweile zahlreiche Spitäler, Kliniken, Krankenkassen, Apothekenketten und Spitex zu unseren Kunden. Bisher konnten wir über 20'000 Patienten die Wartezeit im Wartezimmer ersparen.
161	Medicud	D\Angelo	Antonio Nunzio	Medtech / Healthtech	We want to democratize access to negative pressure wound therapy (NPWT) by producing a mechanically empowered device in order to reduce cost and environmental impact. Freeing NPWT devices from electric energy is the key. The treatment is the gold standard since late '90s for acute, chronic and exudating wounds such as diabetic ulcers and amputations. We plan to dramatically reduce the cost from 1500\$ to 220\$, having in mind that more than three over four patients are in low to middle income countries.
162	Oxara	Landrou	Gnanli	Cleantech	8% of global CO2 emissions comes from cement while aggregates resources are getting scarce around cities. Meanwhile, a large amount of construction waste, excavation materials are landfilled each year. This waste is so abundant that it could directly replace the demand for sand, gravel and its composition is close to earth which has been used as a vernacular construction material for centuries. Our solution consists of processing the waste as fast and as easily as we do with concrete but without adding cement & depleting resources. Our technology provides for the first time to excavated materials the processing advantage of concrete but it is around 60% cheaper and 90% more eco-friendly. To exploit the market potential €173bln, we engaged with early adopters for industrial demonstration.
164	iWin Sagl	Roldan Molinero	Ruben	Cleantech	iWin is a Venetian blind type shading device that protects the building from direct solar radiation, produces renewable energy on site and reduce the energy bill. It is the world's smartest window by transforming the human comfort in buildings. The blind slats are raised, lowered or tilted electronically on demand to block the solar heat and prevent glare. Our optimal target are multi-storey and fully glazed administrative buildings. The potential market just in CH, IT and DE is more than 2 Mio/m2 /year. A minimum sales volume of 7 Mio CHF per year is already committed by 2023, when our break-even point is expected.
169	V-Locker AG	Kirchhoff	Jens	Interdisciplinary / Services	V-Locker ist ein automatische Velo Parksystem für wertvolle Zweiräder. Auf kleinster Grundfläche speichern und schützen die schlanken, modularen Turmmodule jedes (e-)Velo individuell in einem Schließfach (= vertical locker). Helm, Zubehör sowie persönliche Wertgegenstände finden ebenfalls Platz in der Box. Die Anreise, Reservierung, Bedienung und Abrechnung erfolgen über eine App welche via eine Cloudplattform mit den Turmmodulen kommuniziert. So ist die Bedienung einfach, der Parkplatz garantiert, das Eigentum gesichert und die Abgabe und Annahme in wenigen Sekunden geglückt. Somit verbindet V-Locker in einer Hybridlösung die mechanische Komponente 'Parkturm' mit der digitalen Komponente 'smart infrastructure' - zukunftsfähige vernetzte Infrastruktur für die intermodale Mobilität.

174	Senopi AG	Bagger	Karsten Kure	Medtech / Healthtech	Senopi AG is a digital health startup developing virtual reality (VR) experiences and Digital Therapeutics (DTx) for senior healthcare, focused on seniors with dementia and frailty. Senopi's mission is to increase seniors' healthy life years, in other words to help them grow older, better. To achieve this, we use VR headsets to bring both activating experiences and digital therapeutics to seniors in hospitals, retirement homes and other senior care facilities to promote seniors' physical and mental health. Senopi's VR solution thus allows senior care facilities, such as nursing homes, to easily provide scalable, high-quality experiences and DTx to seniors at low cost.
176	Bloom Biorenewables Sàrl	Buser	Remy	Cleantech	Fossil-based materials are found in most of our daily products. The recent determination of most large corporations to meet customers demands and remove petroleum completely lead to an unprecedented race to renewable materials. Yet, today, the production of sustainable materials is poor and inefficient. Bloom Biorenewables has therefore developed a unique method to efficiently harvest plants material (wood or agricultural wastes) to manufacture materials and chemical building blocks with unprecedented efficiency. These molecules are specifically designed for tomorrow's sustainable products, such as plastics, packaging, food additives or cosmetics.
180	Tuny Games	Gazdzicki	Jan	Interdisciplinary / Services	The startup aims to publish and further develop the Tuny Game (TG), a pioneering educational app which allows young music pupils the playful and intuitive acquisition and training of music reading skills. During the over 3 year long development phases and an Innosuisse/SNF research project, the TG awakened the enthusiasm of almost 100 kids, their parents and teachers. An interdisciplinary team, including excellent musicians and prizewinning game designer created the unique, science based TG method. A swiss made cutting-edge sound recognition module puts the app on the highest technological level. The TG is both a genuinely useful educational tool and an entertaining game which supports teachers and students and turns the rather unpopular cognitive challenge into an inspiring adventure.
183	KOMP-ACT SA	De Benedictis	Salvatore	Cleantech	At KOMP-ACT we allow automated machine builders to innovate and stay competitive and to respond to more stringent end-user requirements as well as to reduce industrial environmental impact due to the use of fluid technologies (pneumatic) We are engineering a wide portfolio of electric motion device products such as electric actuators, grippers, etc. which are affordable, compact size and lightweight and can be easily tuned to respond to each customers need. We will enable new production output thanks to our outstanding product performance.
184	Caressoma AG	Dr Borowka	Sophia	Medtech / Healthtech	Each day, in the US alone, 3\200 professional athletes suffer soft tissue (muscles, tendons, ligaments) injuries. These cause significant economic repercussions in a US sports market worth \$74B. Caressoma is developing an Artificial Intelligence (AI)-based autonomous ultrasound device that provides doctors with reproducible images to track the evolution of an injury or disease and help prevent them. Our initial focus is on high performance athletes. The clean data we can collect here is a vital basis for our machine learning algorithms and AI. The fast collection of data together with our patent pending technology, increase our competitive advantage.

189	Cleveron AG	Gagliardi	Pietro	Cleantech	Cleveron bietet Eigentümern von grossen Gebäuden wie Schulen, Kindergarten, Büros, Krankenhäusern usw. eine einfache und schnelle Lösung, um den Heizenergiebedarf und die CO2-Emissionen in wenigen Stunden um bis zu 30% zu reduzieren.
194	Leva Capital Partners AG	Donati	Cosimo	Information & Communication Technology (ICT)	Leva is the first platform in Switzerland that lets founders and investors easily create, negotiate and sign all the legal agreements they need to do a funding round.
197	Voliro AG	Kamel	Mina	Information & Communication Technology (ICT)	Voliro develops the next generation of autonomous flying robots, an omnidirectional platform with the unique capability to approach, touch, and interact with the environment. This shifts the abilities of service drones from “fly and see” to “fly, see and touch”. Voliro robots are “Hands in the Sky”. This novel ability to interact with the environment through a flying platform opens the door to large markets where construction or maintenance tasks require additional infrastructure. Such tasks include Non-Destructive infrastructure inspection where a sensor is often required to be in contact with structures, spraying of fluids to clean buildings facades, cleaning of walls and windows, painting and coating of surfaces and even firefighting through the windows of buildings.
201	Seervision AG	Kariotoglou	Nikos	Information & Communication Technology (ICT)	Every video production has a dozen people caring about cameras, direction and coordination. With Seervision's software, robot camera systems can take over the mundane tasks for moving cameras around and humans can focus on telling stories and coordinating shots. Production cost can drop as much as 40%, mistakes on coordination eliminated and production companies can operate without needed to hire freelance cameramen as they do today in more than 70% of cases. In 10 years, every event on earth will have cameras being moved by Seervision.
202	XRnanotech	Döring	Florian	Micro- & Nanotechnology	XRnanotech addresses the worldwide need for nanostructured X-ray optics to focus high-energy beams at highest resolutions and maximal photon efficiency onto the smallest possible samples like viruses, proteins, or transistors. In this niche, it provides unique solutions for several hundred large-scale R&D beamlines and high-tech companies around the world. Our unique selling propositions are: 1) Highest resolutions: We deliver the sharpest images of the smallest structures. 2) Maximum photon efficiency: We focus the most photons on the sample to reduce time in beam, increase the throughput and thus save time and money. 3) Unprecedented stability: Advanced materials allow us to create optics that can withstand the energies of the high intensity X-ray laser beams.

203	REA	Kassem	Loulia	Medtech / Healthtech	Rea is a MedTech spinoff project developing the first at home test for preterm birth diagnostics. Our smart pad provides a friendly tool for pregnant women and their doctors to monitor their risk of an early delivery from home. Rea's Smart Pad collects and analyses vaginal secretions, screening for proteins that are indicative of birth. Upon a negative test result, a pregnant woman can be reassured that she will not give birth in the next 7 days, relieving her from unnecessary stress and costly visits to the hospital. In developed countries, more than 16% of all pregnant women are hospitalized for a risk of a premature birth but only 30% of these patients will deliver prematurely. Rea offers obstetricians, for the first time, the possibility to monitor their patients at risk remotely.
204	DePoly	Anderson	Samantha	Cleantech	Right now the current recycling system is broken, & can't deal with dirty PET plastic, PET plastic in the presence of other plastics, or downgraded PET plastic like carpets. This means that every year we incinerate 40 million CHF of PET plastic yearly, and rely heavily on the petroleum industry to produce new virgin PET to meet our consumer needs. Now with the world moving towards suitability, we need to go from a linear, to circular economy, and at Depoly we're doing just that. We take low valued post consumer PET waste and turn it into its high valued original chemical components. The raw material that we make can be remade into virgin PET, meaning that our recycling centres become profit centers, while decreasing our reliance on the petroleum industry, while saving money, and resources.
207	rotavis	Baumgartner	Daniel	Medtech / Healthtech	Der patentierte Therapiestuhl T-CHAIR ermöglicht eine robotisch-assistive Therapie in sitzender Position. In Kombination mit Augmented Reality und game-orientiertem Design kann der T-CHAIR die Lücke im Bereich der selektiven Rumpftherapie schliessen. So aktiviert der T-CHAIR die notwendige Stütz Muskulatur in der Frühphase neurologischer Erkrankungen. Insbesondere bei Schlaganfall kann die neuartige Therapie zu frühzeitigem Gehen und verbesserter Selbstständigkeit des Patienten beitragen. Die Therapie entlastet das Klinik-Personal und bewirkt eine Intensitäts-Steigerung eines individuell abgestimmten Therapieprogrammes mit messbarem Erfolg.
208	Juvabis AG	Hobbie	Sven	Life Sciences & Biotech & Pharma	Antimicrobial resistance poses a global health threat of terrifying magnitude. Juvabis fights antimicrobial resistance by developing new therapeutics for the treatment of highly drug resistant infections. Juvabis holds and worldwide exclusive license for an innovative technology platform and various composition of matter patent families. Our pipeline has been endorsed by key industry players and received >7M in non-dilutive funding for development. Preliminary clinical data looks very encouraging such that we seek to raise \$12M for proof-of-concept studies in men.