



BUSINESS CONCEPT TRAINING

FALL 2021

DETECTRA

The monitoring of Rheumatoid Arthritis (RA) is obsolete and patients do not benefit from an accurate follow-up to improve their outcome. DETECTRA will bring a significant improvement in RA care, being much cheaper, easier and non-invasive compared to today's standard of care.



SENSORMEDLEY



Cardiorespiratory (CR) assessment in sports and health requires long and expensive in-lab tests. SensorMedley provides wearable sensors for frequent, accurate, out-of-the-lab and cost-effective CR assessment.

ClearSky

Direct phone calls are efficient, interactive, and private. We mostly use them in transportation or outdoors. Beyond a few calls per day, keeping track of information is challenging and/or time-consuming. Our proactive AI summarizer processes calls on-device and captures important information privately on-the-fly.



Homeside Diagnostics



Living in good health and well being is a priority for all of us, and new technologies offer many ways to assess our health. But there has been little change regarding blood sampling for diagnostics. Homeside Diagnostics offers a new platform that allows to perform multiple tests from a single drop of blood collected at home.

Empowering people

EU announced zero CO2 emission policy by 2050. Human respiration is responsible for 7% of total emitted CO2 which is 3 times higher than CO2 released by airplanes. Our main focus is to capture and mineralize CO2 released by human activity in public places.



Carbon Negative Ethanol



We are DEVIA - a company producing alcoholic beverages. Our products challenge the status quo in that they are new categories and the brand strikes with a modern look.

PlasmadB

Noise affects 20% of European citizens, causing stress and fatigue. PlasmadB reduces noise in home and work environments using a compact device that efficiently absorbs annoying sounds in a wide frequency range while enhancing acoustics.



Atlanpemos



Atlanpemos C is like engines, but with higher efficiencies and no emissions, which can be used for boats, trucks, and buses by providing 600-800 kW electricity. All optimization services of fuel cell and the battery can be found in Atlanpemos app. Private consultancy for different required electricity (lower than 600 kW and higher than 800 kW)

iKanJoy

Japanese is ranked among the top 3 most difficult languages to learn. The complexity of Japanese is fully encapsulated in their writing systems, made of 92 phonetic characters and at least 2,000 main ideograms called Kanji. To overcome this learning challenge for non-native learners, we have developed a video game smartphone application that promises to teach Kanji in a most adapted and fun way



Sustainable Grub



We help sustainable restaurants communicate their "climate-friendly" meals to their customers, by quantifying and communicating the greenhouse gas (GHG) emissions of their dishes in a user-friendly way via our web app

Modex Robot

Fitness machine for patients of hospitals and senior houses (EMS) that provides:

1. Optimize physical exercises with quantitative data
2. Track recovery progress.
3. Reduce hospitalisation /recovery time.



WAIR



Wildlife artificial intelligence reconnaissance. Our AI Computer Vision software helps fire brigades to detect fires at their very early stages, and helps to predict future fire events by reducing the time between the fire start and the emergency and rescue teams acting and avoiding that large amount of land is affected.

PicoTimeElectronics

We developed an electronic device which is able to measure lapses of time with high precision. High-precision devices are currently used in many cutting-edge technologies. The market will be ready for the precision our design provides in a few years time and we will be there to meet that appointment



APPRIE



Diagnostics and Treatment Plans, are prone to human error, are costly and has a lot of guesswork. Apprie offers an application that allows patients to track the evolution of their symptoms before and after treatment. This gives a fuller picture for the doctor of the patient's evolving condition at a cheap cost, and provides a knowwhere-to-look compass for further diagnostics

GenSpace

Accessibility of DNA testing in Europe is problematic - takes 6-8 weeks to get results, compromises privacy to US-based companies and is expensive (higher shipping costs). Our solution is to make it more accessible, faster, cheaper and privacy-oriented.



EauRoot



There are currently some drawbacks to existing irrigation systems for trees and vines. The present inventive system introduces a new method that while it's the most technical part functions automatically, does not require any energy or pressure pump and the required amount of water is poured directly into the root zone.

LakeWeed

Word and in particular Swiss population is still (directly) emitting too fast GHG, and it is therefore far from carbon-neutrality. LakeWeed is offering local solutions for algae farms in Swiss lakes



CleanTech



50% of industrial energy is used to separate chemicals. Industrial separation units such as distillation and drying require a great amount of energy input. Polymeric membranes on the market as alternatives are unable to withstand high temperatures and pressure, here we have developed a low-cost energy-efficient and eco-friendly inorganic membrane for high-temperature and pressure H₂ separation.

BIOFERTILIZER

Various biofertilizers based on standard beneficial soil microorganisms exist now on the market. However, the use of foreign, and non-specific microorganisms that might become dominant on the microorganisms in the site of application could lead to unwanted consequences. To address this problem, Mycobio provides customized/personalized biofertilizers developed locally based on well-adapted and specific microorganisms (Mycorrhizae) for optimal plant growth and yield.



VeeOs

Our ultra-fast reconfigurable wireless battery free temperature sensor helps customers who are facing temperature tracking drawbacks. They will easily surveil the temperature for less than 1 CHF and enjoy remote sensitivities of nanoseconds in response when triggering values are reached. Compared to the other available solutions the advantages of our offerings are the sensitivity, reconfigurability around the temperatures of interest while keeping a safe distance from the tags

MINDGUIDE

264 million suffer from depression worldwide and treatment of mental health is a significant expense, CHF 18 billion in Switzerland. Traditional psych treatment is not completely reliable. Mindguide provides objective indicators through collecting bio-data with non-invasive wearable sensors. Mindguide records eye movements through eye-tracking glasses



Le Crux



La grimpe est un sport qui nécessite force, technique et mental. Vos coéquipiers jouent aussi un rôle important. C'est pourquoi Le Crux vous propose une plateforme pour trouver les coéquipiers idéaux ainsi que de nombreux cours pour que chaque grimpeur puisse progresser, prendre plus de plaisir dans leur pratique et atteindre de nouveaux sommets

LOQUALIS

Les consommateurs interrogés aimeraient, pour la plupart, acheter chez des producteurs locaux, mais ne le font pas principalement pour des raisons de distance et de manque de temps. La solution? Un site internet d'e-commerce vendant des produits achetés en gros auprès des producteurs locaux, offrant la possibilité de livrer soit à domicile, soit dans un point de collecte. La promotion sera faite via des pop-up stores (marchés).



Study Help



Avoir une communication rapide et traduite dans toutes les langues avec les professeurs, pouvoir s'organiser et communiquer avec ses camarades en tout temps de n'importe où et ne jamais être dérangé sur son numéro de téléphone privé en dehors des horaires de travail, voici ce que propose notre application

SNOWCAT

Nous avons constaté que les dameuses actuelles ne sont pas optimisées et effectuent des tâches surqualifiées. De ce fait, nous proposons un service de location ou la vente de petite dameuse qui sera dans un premier temps télécommandé puis automatisé. Elle permettra aux stations de faire des économies financières et de temps.

