Soulmates Ventures Impact Report

Year 2022

soulmatesventures

Soulmates Impact Report
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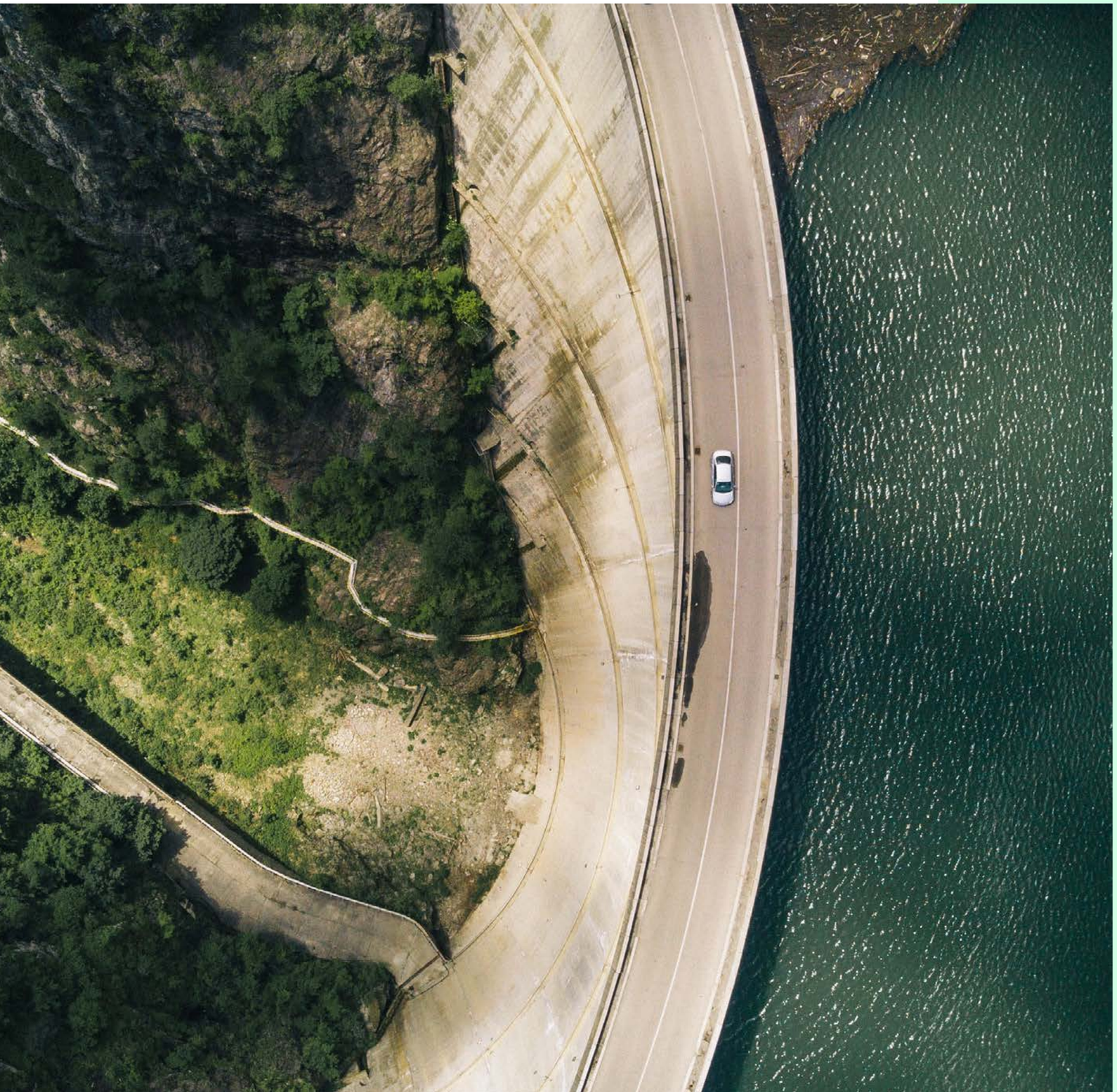

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Welcome to the first Soulmates Ventures Impact Report 2022. We've compiled this report as an aid to help us advance sustainability within our ecosystem.

Foreword

By identifying, measuring and analysing the development of our annual sustainability, these results will help us set new targets for the coming years.

We believe that you can only manage and control what you can measure. Through applying specific sustainability metrics such as ESG, SDGs, SRI, ERP, SPT, LCA, etc., our goal is to integrate sustainability and reduce the emission footprint footprint of each of our startups and their products.

Soulmates Ventures is an accelerator and venture capital company, one that focuses on purpose-profit driven (PPD) projects and technology innovations. We work with startups that specialise in air, water, energy, mobility, education, health, food & agriculture and the circular economy, and help them develop into growing, scalable businesses. Working with the brand development studio, Made by Soulmates, and the sustainable incubator, Green Innovation Academy, we're helping to build a more sustainable future for everyone. Our investments are currently based in the CEE region, with plans for future expansion into the rest of Europe and beyond.

As well as being within a decade that is crucial in terms of dealing with climate change, 2022 is a year hugely affected by the ongoing war conflict in Ukraine and reverberations from the global pandemic Covid-19. By 2030 we ideally need to reduce global emissions production by 50% if we are to meet the net-zero target by 2050.

A huge motivation for us is the amount of capital that was invested into PPD startups last year; 2021 saw record breaking amounts. Sustainability targets and commitments continue to create new market opportunities for emerging technologies, and the sustainability industry is currently the largest it's ever been in history.

Aftereffects of climate change

Extreme weather

Rising temperatures are likely to lead to further weakening of the polar vortex and therefore more frequent fluctuations to extreme temperatures and weather.

Permafrost

A warming of 2 – 3 °C can lead to a total collapse of the permafrost. This may result in methane emissions of 4 – 16 Gt CO2eq per year (10 – 30% of current annual emissions).

Sea level rise

With an increase of 1.5 °C, the world's average ocean level would rise at least 0.3 m above 2000 levels by 2100. At higher temperatures even 2 metres above 2000 levels by 2100.

Coral reefs

At temperature levels above 1.2 °C, almost none of today's coral reefs will survive.

Extreme heat waves

A 2 °C temperature rise will lead to more frequent and intense deadly heatwaves in some areas of the world each year.

Increased frequency of floods

An increase in global temperature will lead to a more frequent occurrence of intense and extreme rainfall and flooding.

Deforestation

A warming of 3 °C to 4 °C is likely to cause massive tree mortality in most of the rainforest and taiga forests.

Golf stream

The rate of warming will affect the strength of the Gulf Stream. Simulations for different emission scenarios predict a 11 – 54% weakening of the current by the 2100.

Melting glaciers

A warming of 2 °C will lead to an ice-free North Pole in summer. With a 1.5 °C increase, it is likely that the ice cover will remain partially preserved in summer.

El Niño

Global warming leads to more frequent and stronger heat episodes (El Niño). A rise of 1.5 °C is likely to lead to a doubling of the number of El Niño phases.

Our contribution to sustainability

Our contribution to sustainability is by growing the startups we invest in. Through our acceleration program and the trust of our investors, we're evolving innovative and sustainable companies throughout the CEE region.

We want to give the world more options when it comes to result-driven products that fight climate change and other global problems. Our start-ups will help us achieve a net-zero economy, working towards a more sustainable, healthy living.

Purpose-Profit Driven Startups

We believe that purpose-profit driven (PPD) startups are key in delivering needed products, sustainable targets and scalable business models. This type of company creates a great landscape for solving a certain problem, on a long-term horizon, at a global scale.

Our acceleration programs provide PPD startups with a maximum efficiency of time and resources, helping them grow from their seed stage into securing their next investment round with a late-stage investor.

Sustainability-oriented Investors

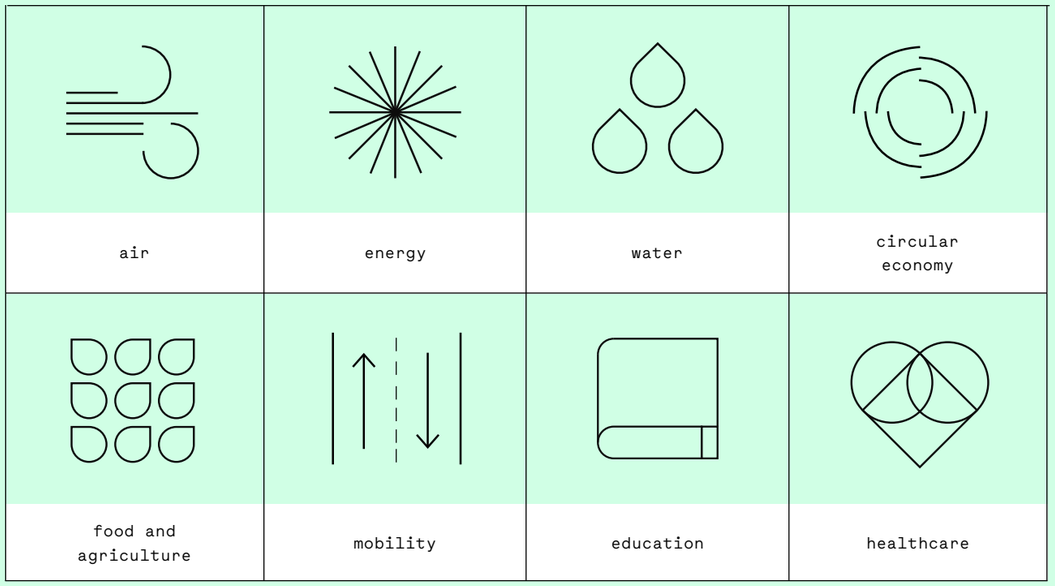
Investors are starting to understand that sustainable investing is becoming the biggest investment opportunity of the 21st century. We help startups show their potential to succeed, given the right funding.

We need to find zero-emissions solutions to decarbonize every aspect of global economies, and our way of living, to reach the net-zero emissions 2050 target. To reach our global target, global investments into sustainability technology needs to increase by 3x, to around $4 trillion a year, by 2030 (IEA). We help interested investors reach relevant startups, working towards net-zero emissions goal.

VC accelerator Soulmates Ventures

Owned assets as of 01. 09. 2021	›	**€2,1M**
Assets valuation by 01. 04. 2022 — 71 % increase in 7 months	›	**€3,6M**
Number of startups invested in the Czech Republic	›	**5/5**
Number of purpose-profit driven startups invested in	›	**5/5**
Number of startups in acceleration	›	**4/5**
Distribution of projects by startup development stage	›	**Seed: 4** **Series A: 1**

Eight streams in which we invest and accelerate bold ideas:



Portfolio startups

Perfect–Air

The most accurate sensors and digital network of real-time air quality data.

edlab

Empowering educators with world-class technology for experimental education of natural sciences and IT.

sensetio

A patented method and technology based on scientific measuring of the intensity of emotional reactions.

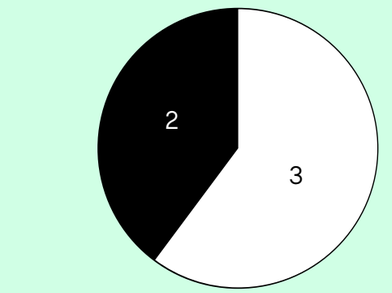
STIMVIA

A new chapter in neuro-hacking through brain neuromodulation allowing non-invasive treatment of overactive bladder and other chronic disabilities.

PRECISMO

A more sustainable delivery path in e-commerce, entertainment and more, through the most advanced 3D models for VR/AR.

Startups with new investment round



Dealflow in 2021

Investment information

Minimum initial investment	**€125k**
Maximum investment horizon	**10 yrs.**
Projected annualized gross return	**27.8%**
Average investment amount	**€1M**
Applications for investment	**150**
Entry criteria met	**50**
Investment opportunities	**€16M**
Pre money valuation	**€144M**
Selected for DD	**22**
Number of employees	**135**
Combined revenues	**€12M**
Signed ISHA	**5**
Valuation	**€107M**
Startups currently in the DD process	**9**

Important numbers

Number of SDGs that are associated with our startup ecosystem	**15/17**
Number of people working on our portfolio startups in 2021	**60**
Percentage of women working in our portfolio startups in 2021	**31 %**
Number of startups in the portfolio linked to GHG reduction	**3/5**
Number of startups that also address a hardware product	**5/5**

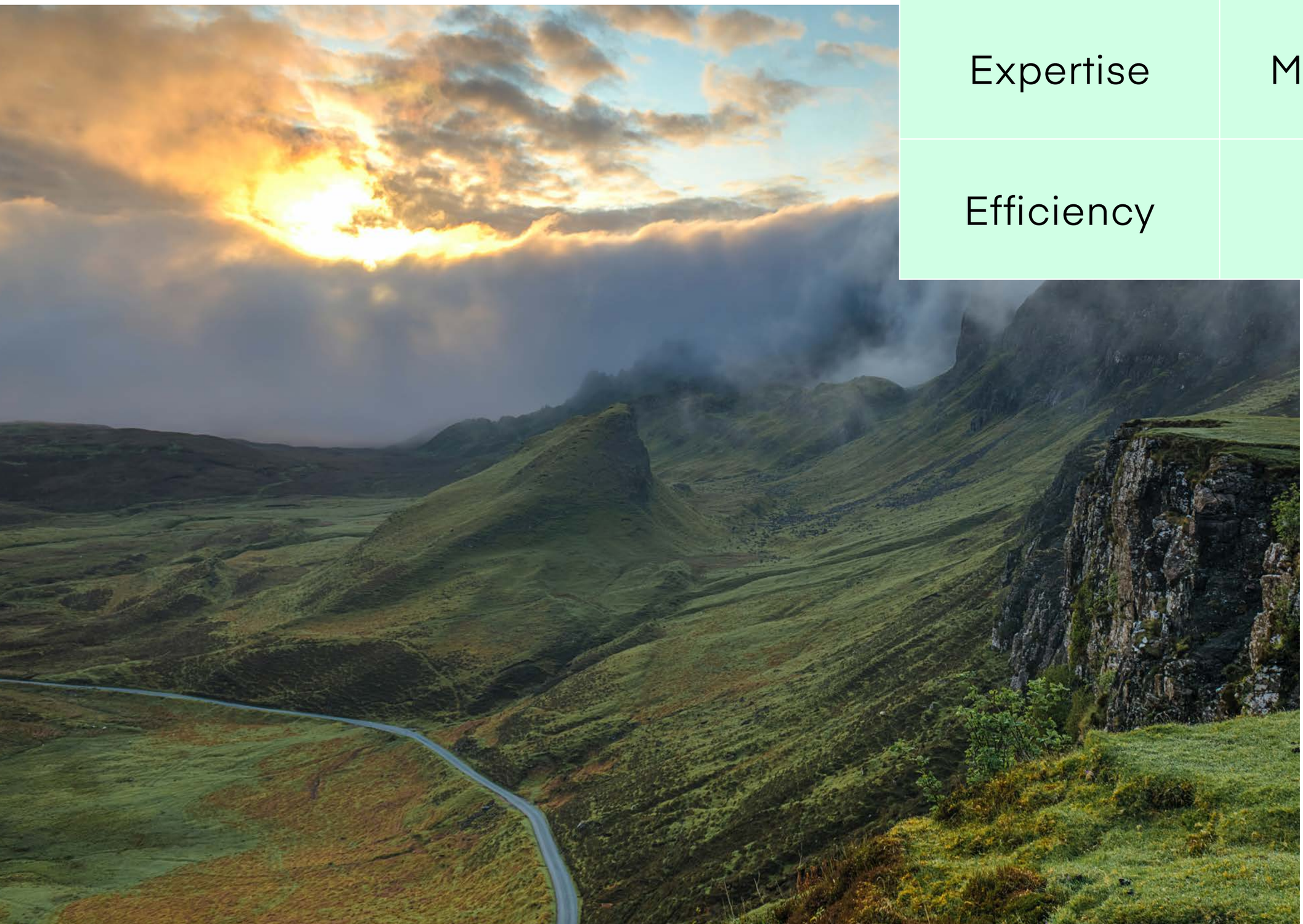
Sustainability metrics:

Analysis	Management
• Calculation of greenhouse gas footprint, reduction and management	• Sustainability Strategy and Sustainable Performance Targets (SPT – sustainable KPIs)
• Product Life Cycle Assessment (LCA)	• Impact/Purpose management – SDGs
• Sustainability risk analysis	• Sustainability measurement, rating, reporting, management and certification
• ESG (Environmental-Social-Governance) analysis, strategy and certification	• Emissions Reduction Potential (ERP) and Potential Climate Return on Investment (pCROI)

*Metrics are intertwined with analysis and management, the division is for simplicity only.

Our Values

Decency	Stability
Expertise	Momentum
Efficiency	Trust



Soulmates Ventures Sustainable Development Goals

Methodology used

We identified 15 of the 17 Sustainable Development Goals (SDGs) that are related to the purpose and impact of Soulmates Ventures and the startups in our portfolio.

From the 15 selected SDGs, we picked specific goals, with measurable indicators created by the UN, that will track our progress and navigate us during further development.

SUSTAINABLE DEVELOPMENT GOALS

Sustainable Development Goals (SDGs) and their specific targets to which Soulmates Ventures' vision, strategy and activities are linked:

3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES
Tar. 3.9	Tar. 4.4	Tar. 5.1 Tar. 5.5	Tar. 7.1 Tar. 7.2	Tar. 8.1 Tar. 8.2 Tar. 8.3 Tar. 8.4 Tar. 8.8	Tar. 9.3 Tar. 9.4 Tar. 9.5	Tar. 10.5
11 SUSTAINABLE CITIES AND COMMUNITIES	**12 RESPONSIBLE CONSUMPTION AND PRODUCTION**	**13 CLIMATE ACTION**	**14 LIFE BELOW WATER**	**15 LIFE ON LAND**	**16 PEACE, JUSTICE AND STRONG INSTITUTIONS**	**17 PARTNERSHIPS FOR THE GOALS**
Tar. 11.6	Tar. 12.2 Tar. 12.5 Tar. 12.8	Tar. 13.2 Tar. 13.3	Tar. 14.1 Tar. 14.3	Tar. 15.3 Tar. 15.5	Tar. 16.1 Tar. 16.4 Tar. 16.5 Tar. 16.7	Tar. 17.7 Tar. 17.14 Tar. 17.16

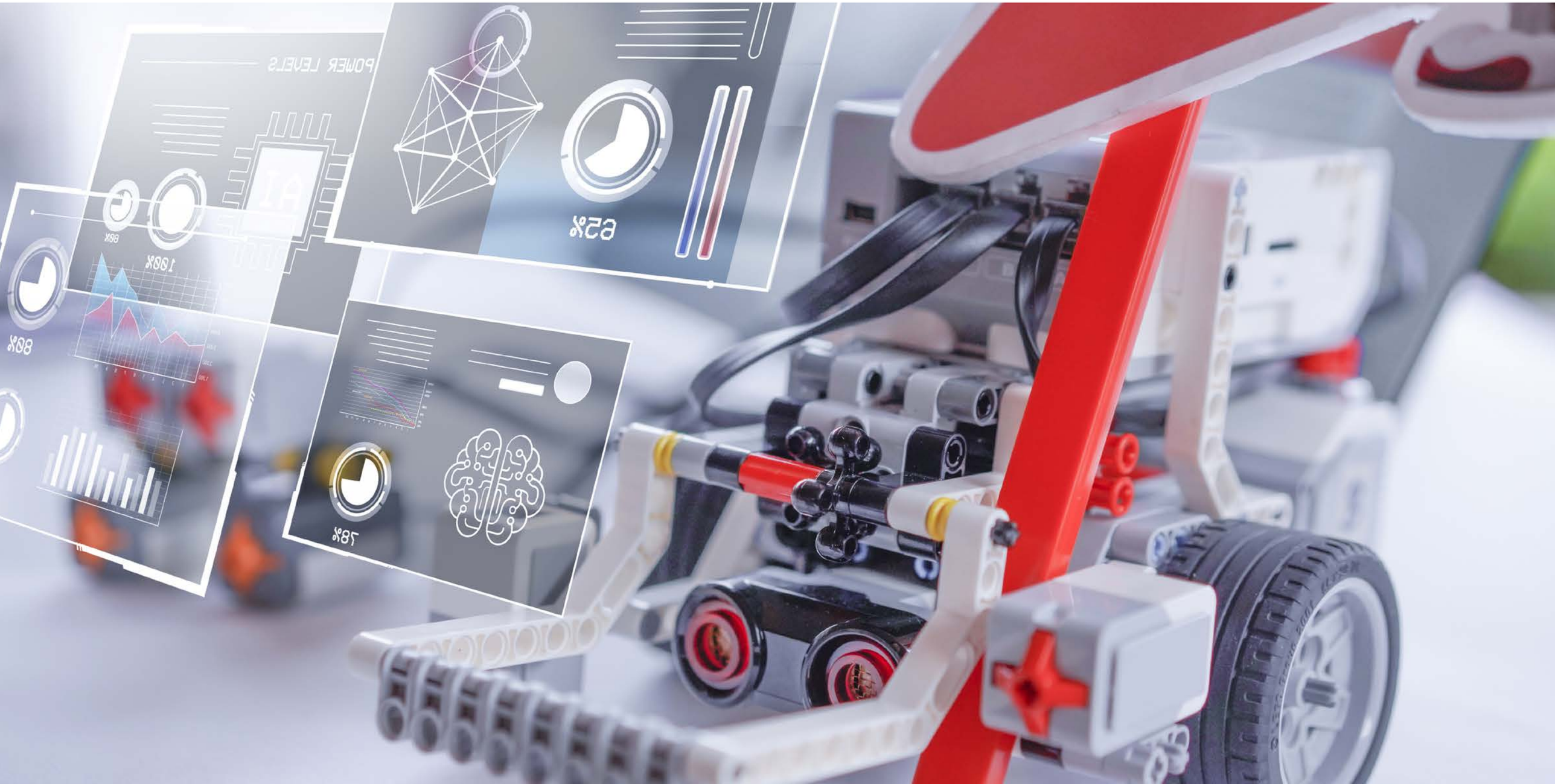
*We aimed to define those SDGs to which Soulmates Ventures actively contributes through its activities. Beyond the direct influence through our activities, we positively approach and advocate for the full set of goals chosen in the SDGs.

Source: United Nations - Sustainable Development Goals

SDGs in our startup ecosystem

Our Startups

Perfect-Air
Precismo
Stimvia / Tesla Medical
Sensetio
Edlab



Perfect-Air

Stream	**Air**
Latest investment round	**Seed**
Number of people involved in the project in 2021	**11**
Percentage of women in the team	**18 %**

Purpose of the startup

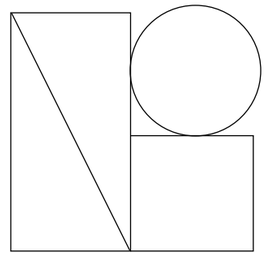
Perfect-Air's purpose is to improve people's health by providing accurate, real-time and local air quality information so they can make quality decisions about their health. By providing millions of people suffering from respiratory illnesses and allergies with Perfect-Air technology, it can reduce their need for medication, alleviate symptoms of illness, speed up potential treatment and significantly improve their quality of life.

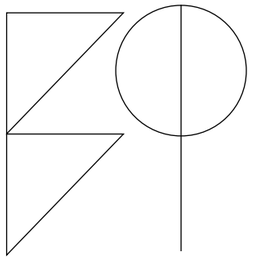
Today, Perfect-Air technology is mainly used by schools, municipalities, cities, research teams, companies and people with respiratory and cardiovascular problems or developers of IoT and other smart devices. Thanks to hyperlocal mapping of the current state of the air, they can make informed decisions about daily activities, determine the ideal time to ventilate rooms, time walks or systematically improve the health of people in the workplace, schools and home, which will also translate into lower healthcare costs.

Startup solution / technology

Perfect-Air works by calibrating the data from the original stations with data from satellites and other global sources. The entire system is based on the incorporation of a unique algorithm using elements of artificial intelligence. It is the already mentioned hyperlocality and real-time data that are the biggest added value compared to the competition. Few solutions, even on a global scale, monitor PM2.5 and PM10 with such geographical accuracy.

Currently, the outdoor stations can measure PM2.5 and PM10, NO2, SO2, pollen, pressure, humidity and temperature. Indoor stations can track CO2 concentrations. Soon the stations will measure the next air elements and the recorded values will indicate the presence of aspects like fires or fertilizers. Thanks to the simplicity and intuitiveness of the upcoming solution, anyone who wants to what breaths will be a customer of Perfect-Air in the future.





„By efficiently using capital we were able to match competitors in environmental data provision and increase our valuation from €200k to €4.4M in just a few months in 2021."

Achievements in 2021

- Closing an investment round
- Article in CzechCrunch
- Build Perfect-Air app
- Acceleration of Perfect-Air:
  – Brand strategy
  – Messaging
  – Website
  – Software development – heatmap
  – Expanding the portfolio of measured elements
  – Mobile app (android/ios)
  – Building data centers for heatmap
  – API integration
  – Algorithm for combining datasets – calibration with satellites
  – Air quality history and forecast animation

Plans for close future

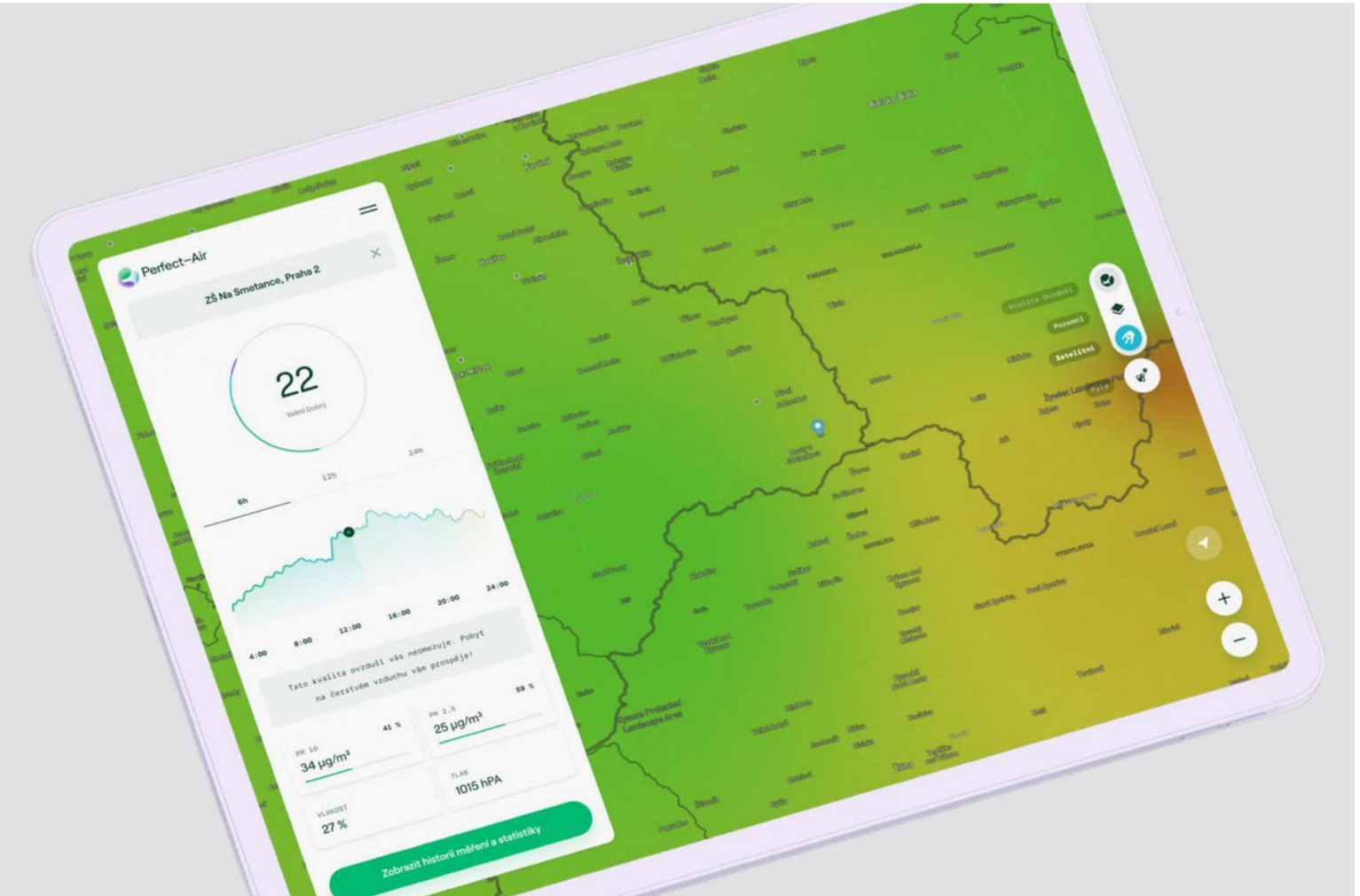
- Acquire new investment round
- Update the algorithm with neural network and AI involvement:
  – Increase measurement accuracy
- Build community and brand in area of air quality
- Build a full-fledged startup with a team of 5-8 people
- Launch a new version of the paid app with new features
- Integrating sustainability within the startup business and operations, and creating a sustainability strategy
- Collaborate on the use of environmental data and smart devices with other companies and entities

Total finding	Perfect–Air 880K EUR	BreezoMeter 45M EUR	airly 6,4M EUR	PlanetWatch 1,3M EUR
Air Quality	YES	YES	YES	YES
Pollen	YES	YES	NO	NO
App	YES	YES	YES	NO
Sensor	YES	NO	YES	YES
API	YES	YES	YES	NO

Sustainable Development Goals (SDGs)

3 GOOD HEALTH AND WELL-BEING	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION
Tar. 3.2 Tar. 3.4 Tar. 3.8 Tar. 3.9	Tar. 8.1 Tar. 8.2 Tar. 8.3 Tar. 8.5 Tar. 8.8	Tar. 9.1 Tar. 9.3 Tar. 9.4 Tar. 9.5	Tar. 11.2 Tar. 11.5 Tar. 11.6 Tar. 11.7	Tar. 12.4 Tar. 12.6 Tar. 12.8	Tar. 13.1 Tar. 13.1 Tar. 13.1

*Chosen SDGs are selected based on the potential impact that startup's technology can have on specific areas.

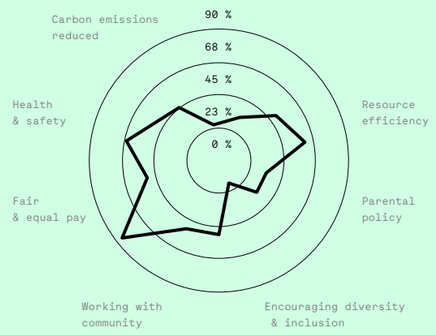


Environmental, Social and Governance Analysis (ESG)

Environmental	12 / 28
Social	11 / 32
Governance	21 / 36

Assessment by ESG outcome		
	Outcome	Proportion of maximum score available
E	Carbon emissions reduced	25 %
	Air pollution is reduced	33 %
	Resource efficiency	50 %
	Sustainable procurement	60 %
S	Parental policy	33 %
	Measuring diversity	33 %
	Encouraging diversity & inclusion	17 %
	Staff wellbeing	50 %
	Working with community	50 %
G	Board oversight	83 %
	Fair and equal pay	50 %
	Cyber security controls	67 %
	Health & safety	50 %
	Corporate policy	44 %

ESG_VC Measurement by ESG Outcome



Startup Purpose Indicators

- Number of stations currently in use:
  – Indoor / Outdoor
- Regions where Perfect-Air measures quality
- Elements that Perfect-Air measures
- Number of active app and heatmap users:
  – Number of allergy sufferers
- Historical number of app and heatmap users
- Number of patients who have confirmed that the technology improves their life in terms of respiratory or cardiovascular problems
- Number of activities scheduled through the app
- Measurement accuracy and locality
- Number of schools, health care facilities, businesses, social and public facilities that use the station

*ESG Analysis: The ESG_VC Measurement Framework

Precismo

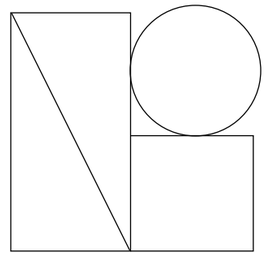
Stream	**Mobility**
Latest investment round	**Series A**
Number of people involved in the project in 2021	**10**
Percentage of women in the team	**20 %**

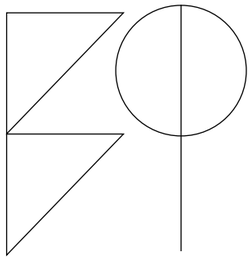
Purpose of the startup

The purpose of Precismo is to reduce the environmental burden caused by the e-commerce sector by reducing the return of goods, packaging materials, unnecessary transport and associated greenhouse gas emissions. Precismo achieves this through unique technology that translates real objects into digital environments in the 3D, AR and VR spectrum. Moreover, thanks to a mathematical system for creating digital products, these copies have a lower digital carbon footprint than traditional digital media.

Startup solution / technology

Your customers are driven by visual experiences. Some products are guaranteed to be bought and kept by the customer. Some products such as clothing, shoes or electronics, the customer will order and try them on to see how they work or look. If they don't meet expectations, they send them back, creating unnecessary waste and carbon emissions. With Precismo's technology, customers can zoom in on the product on their mobile device, rotate it and see every detail. The better the viewing experience, the better the chances of a confident purchase and a reduction in the return rate – the carbon footprint.





Achievements in 2021

- New version of the web viewer
- New AI version
- Acceleration of machine learning
- Scanning device price/ scalability optimization
- Speeding up the scanning process

Acceleration:
– Website
– Pitchdeck
– Pitch to Startup disrupt
– Article on CzechCrunch

Plans for close future

- Increasing the size of the sales team
- Business expansion within Europe and preparation for expansion into the US
- Technology entry into the metaverse platforms

Sustainable Development Goals (SDGs)

8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION
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*Chosen SDGs are selected based on the potential impact that startup's technology can have on specific areas.

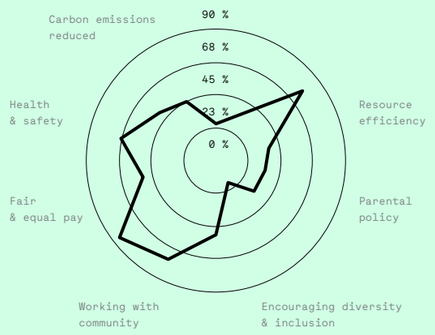
Environmental, Social and Governance Analysis (ESG)

Environmental	11 / 28
Social	13 / 32
Governance	21 / 36

Assessment by ESG outcome

	Outcome	Proportion of maximum score available
E	Carbon emissions reduced	25 %
	Air pollution is reduced	33 %
	Resource efficiency	75 %
	Sustainable procurement	38 %
S	Parental policy	33 %
	Measuring diversity	33 %
	Encouraging diversity & inclusion	17 %
	Staff wellbeing	50 %
	Working with community	75 %
G	Board oversight	83 %
	Fair and equal pay	50 %
	Cyber security controls	67 %
	Health & safety	50 %
	Corporate policy	44 %

ESG_VC Measurement by ESG Outcome



Startup Purpose Indicators

Reduction of the return rate of goods in e-commerce:
– Reduction of the emission footprint for excess transport
– Reduction of the emission footprint for excess packaging material

Reduction of the digital emisison footprint

Reduction of energy intensity for 3D scanning and modulation

Improving the buying decision process for customers

The amount of trades made through Precismo technology

Number of online retailers using Precismo technology

*ESG Analysis: The ESG_VC Measurement Framework

Stimvia / Tesla Medical

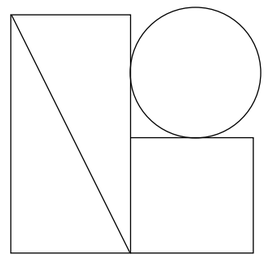
Stream	**Healthcare**
Latest investment round	**Seed**
Number of people involved in the project in 2021	**20**
Percentage of women in the team	**40 %**

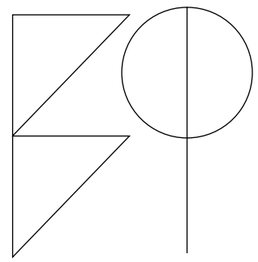
Purpose of the startup

Stimvia's purpose is to bring relief to patients with overactive bladder (OAB) disease, improving their lives while reducing the burden on the environment. Stimvia achieves this through home-based, non-invasive neuromodulation, which replaces pharmaceutical drugs or undergoing surgery, with a more effective and safer treatment. Patients that use Stimvia technology have a lower need for diapers and thus a lower greenhouse footprint.

Startup solution / technology

Stimvia uses electroceuticals to treat OAB, which are a new class of treatment methods. These act on the target nerve circuits of organs using electrical impulses. Stimvia has created the URIS® neuromodulation system, which is a first-in-class device in clinically proven non-invasive electroceuticals technology of closed-system biofeedback treatments. Clinical trial data of a non-invasive method of treatment, using the technology developed by Stimvia, unequivocally prove not only the effectiveness of this treatment, but above all its higher safety compared to invasive methods.





Achievements in 2021

- Closing of the first VC investment round
- Launch of the company's rebranding project:
  – Change of communication – active communication of URIS product
- Continued development of the new generation of URIS II
- Development on software level, which processes client data using AI
- Long-term collaboration with many treatment entities in the field of urology
- Advancing clinical trials in 2021:
  – Successful clinical trials demonstrate comparable results in terms of maximum effect for the patient and significantly better safety compared to drugs or treatment with botox injections or sacral neuromodulation.
- Rebranding from Tesla Medical to Stimvia

Plans for close future

- Update and development of the website
- Launch of commercial activities
- Creation of a business plan based on clinical trials:
  – Collaboration with insurance companies to cover URIS technologies
- Creation of a summary OnePager for investors
- Start actively communicating the benefits of URIS to patients and the environment
- Full certification of new product line
- Development of current business partnerships
- Reaching out to smaller urological treatment providers
- Expanding grant collaborations with universities
- Working on studies to use Stimvia devices to treat other diseases:
  – At this point, the safety of the device is established and studies will focus on maximizing the effect for the patient
- Setting the overall sustainability strategy and creating an ESG analysis with certification

Sustainable Development Goals (SDGs)

3 GOOD HEALTH AND WELL-BEING	6 CLEAN WATER AND SANITATION	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION
Tar. 3.7 Tar. 3.8 Tar. 3.9	Tar. 6.3	Tar. 8.1 Tar. 8.2 Tar. 8.3 Tar. 8.4 Tar. 8.5	Tar. 9.3 Tar. 9.4 Tar. 9.5	Tar. 11.6	Tar. 12.2 Tar. 12.5	Tar. 13.2

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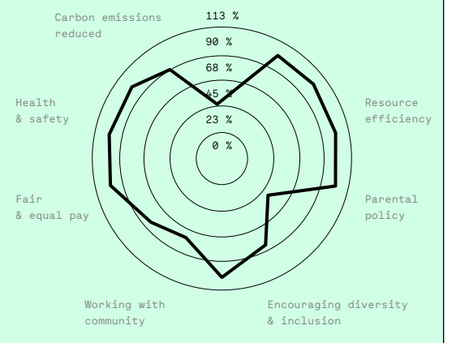
Environmental, Social and Governance Analysis (ESG)

Environmental	22 / 28
Social	24 / 32
Governance	33 / 36

Assessment by ESG outcome

	Outcome	Proportion of maximum score available
E	Carbon emissions reduced	50 %
	Air pollution is reduced	100 %
	Resource efficiency	100 %
	Sustainable procurement	100 %
S	Parental policy	100 %
	Measuring diversity	50 %
	Encouraging diversity & inclusion	83 %
	Staff wellbeing	100 %
	Working with community	75 %
G	Board oversight	83 %
	Fair and equal pay	100 %
	Cyber security controls	100 %
	Health & safety	100 %
	Corporate policy	88 %

ESG_VC Measurement by ESG Outcome



Startup Purpose Indicators

- Number of patients treated for OAB with Stimvia
- Number of hospitals and doctors using Stimvia in practice
- Number of patients who have been successfully helped by Stimvia to treat the OAB and other chronic diseases
- Number of greenhouse gas emissions reduced by using Stimvia:
  – Emissions per diapers saved
- Reduced negative impacts of OAB-related pills and pharmaceuticals on the quality and condition of water sources
- Degree of effectiveness of technology used in treatment
- Time required to use the equipment properly

*ESG Analysis: The ESG_VC Measurement Framework

Sensetio

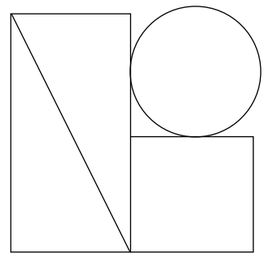
Stream	**Healthcare**
Latest investment round	**Seed**
Number of people involved in the project in 2021	**9**
Percentage of women in the team	**22 %**

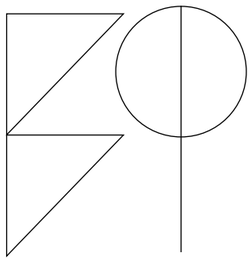
Purpose of the startup

Patented psychodiagnostic method based on the measurement of the strength of the response of physiological functions induced by emotional reactions, which provides the user and the potential therapist or doctor with the possibility to obtain objective data on the emotional state of the individual. The purpose of Sensetia is to gain a deeper understanding of emotions, through which we will be able to improve the global quality of mental health.

Startup solution / technology

The person being measured obtains objective data about his or her current emotional state by measuring skin conductance and changes in heart activity. This information can be used to understand the events taking place in the person, to decipher, analyze and use it to their advantage, such as self-regulation during stressful situations or, conversely, calm exercises.





Achievements in 2021

Gain partnership project with Czech Ministry of Industry and Business to develop hardware, software and structure for big data processing:
– The goal is to find ways to use big data to commercialize technology for measuring emotions

Creation of the Sensetio GO mobile app (already functional for Android and a version for iOs is in the works)

Creation of the My Sensetio desktop app, which functions as a self-diagnostic tool based on respondents' emotional impulses to specific pictograms

Sensetio Pro analytical software that evaluates fluctuations in emotions and can thus serve as an auxiliary tool for doctors, psychologists and psychotherapists on how to work with emotions

3 ongoing projects with partners where Sensetio is used

Patent for measuring emotions through a computer mouse and work on device development

Establishment of the Emotion Research Institute – a joint project with MIT:
– Establishment of high quality technical facilities for the work

Plans for close future

Launch of new website – senset.io

Launching My Sensetio on the web

Creating a pitch-deck

Determining a business plan based on commercialization potential

New analyses using a combination of HRV and GSR physiological variables to measure emotions

Integrating sustainability within the startup business and operations, and creating a sustainability strategy

Sustainable Development Goals (SDGs)

3 GOOD HEALTH AND WELL-BEING	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	16 PEACE, JUSTICE AND STRONG INSTITUTIONS
Tar. 3.4 Tar. 3.6 Tar. 3.8	Tar. 8.1 Tar. 8.2 Tar. 8.3 Tar. 8.5 Tar. 8.8	Tar. 9.3 Tar. 9.5	Tar. 16.1

*Chosen SDGs are selected based on the potential impact that startup's technology can have on specific areas.

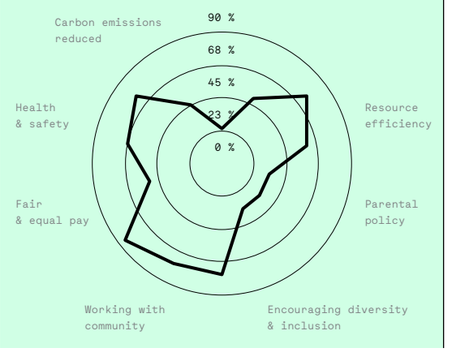
Environmental, Social and Governance Analysis (ESG)

Environmental	12 / 28
Social	15 / 32
Governance	22 / 36

Assessment by ESG outcome

	Outcome	Proportion of maximum score available
E	Carbon emissions reduced	25 %
	Air pollution is reduced	50 %
	Resource efficiency	75 %
	Sustainable procurement	60 %
S	Parental policy	33 %
	Measuring diversity	33 %
	Encouraging diversity & inclusion	33 %
	Staff wellbeing	75 %
	Working with community	75 %
G	Board oversight	83 %
	Fair and equal pay	50 %
	Cyber security controls	67 %
	Health & safety	75 %
	Corporate policy	44 %

ESG_VC Measurement by ESG Outcome



Startup Purpose Indicators

Number of active users
Historical number of users
Number of medical institutions, universities, and other similar institutions using the device
Number of doctors, therapists, psychologists or coaches using the device
Number of confirmed cases of improved mental health by using Sensetio
Number of companies using the device to improve employee mental health
New ways of collecting, using and presenting emotion data
Number of people using the device to better manage stressful situations or, conversely, to monitor the effectiveness of calm activities (meditation)

*ESG Analysis: The ESG_VC Measurement Framework

Edlab

Stream	**Education**
Latest investment round	**Seed**
Number of people involved in the project in 2021	**10**
Percentage of women in the team	**50 %**

Purpose of the startup

Edlab provides students and educators with world-class technology for data collection in science and infromatics education, and the subsequent interactive presentation of results and learning materials. The purpose of Edlab is to improve and streamline the learning process in science and engineering, thereby achieving better individual and expert literacy on issues such as the climate crisis, biodiversity, but also deep technology and IT.

Startup solution / technology

The equipment is used in schools, in natural sciences and IT classes, using specialised probe kits, sensors and accessories. When Edlab devices are used in computer-assisted experiments, the teacher has the opportunity to visualize the learning material, thus enhancing the learning experience as well as the students' attention. Students have the opportunity to try out different elements of robotics, automation or environmental data measurement.

Achievements in 2021

About 600 – 1000 measuring sets have been sold so far

We have recruited 200 – 300 school partners

Passage of school legislation that changes the concept of computer science education to include areas such as automation, robotics, etc.

Increased compatibility of devices:
– Edlab is able to use globally used Arduino sensors

Plans for close future

Setting up communication and branding for the possible involvement of Edlab in the IT classes in schools

Soulmates Ventures acceleration

Opening next investment round

Developing new methodologies on how to use Edlab technology in the classroom

Hardware development – adding a plant greenhouse and other elements for creating a computer-driven ecosystem

Establishing more collaborations with schools

Creating a table where the slide-out display and Edlab measurement suite would be inside with central control at the educator's desk – hybrid class-room – Ministry of Environment project

Integrating sustainability within the startup business and operations, and creating a sustainability strategy

Sustainable Development Goals (SDGs)

4 QUALITY EDUCATION	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	13 CLIMATE ACTION
Tar. 4.1 Tar. 4.3 Tar. 4.4 Tar. 4.5 Tar. 4.7	Tar. 8.1 Tar. 8.2 Tar. 8.3 Tar. 8.4 Tar. 8.5	Tar. 9.3 Tar. 9.4 Tar. 9.5	Tar. 10.3	Tar. 13.2 Tar. 13.3

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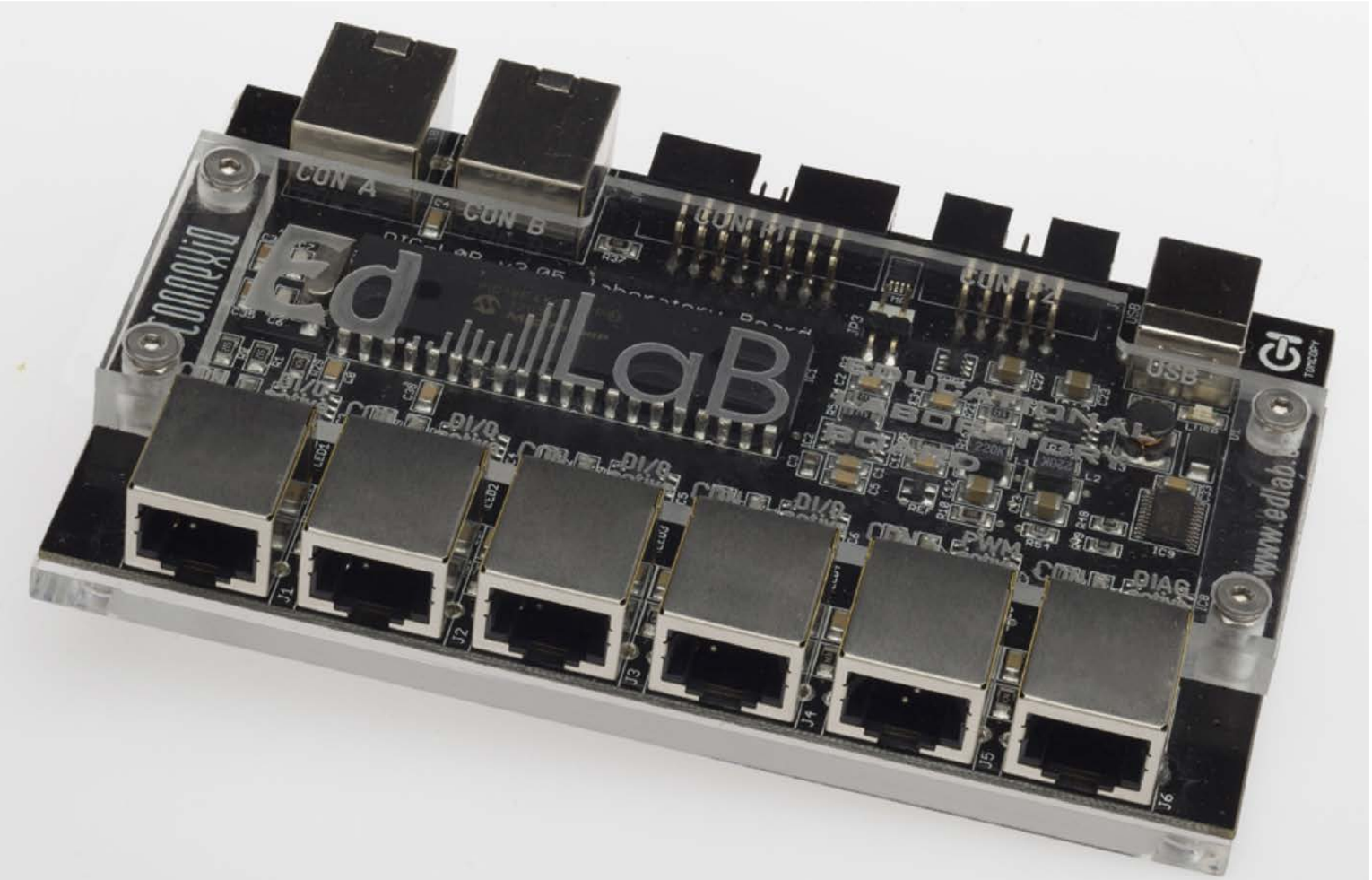

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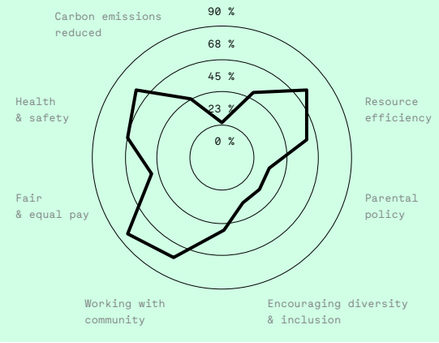


Startup Purpose Indicators

- Number of educational and research institutions that that use Edlab technology
- Number of active users of the device
- Historical number of users
- Percentage of educators actively using the technology
- Number of classroom materials offered by the technology
- Number of students whose proficiency in a particular subject matter has improved (testing methods)
- Competitiveness of the Czech Republic in terms of natural sciences and IT literacy in industry 4.0
- Number of students applying for technical fields

*ESG Analysis: The ESG_VC Measurement Framework

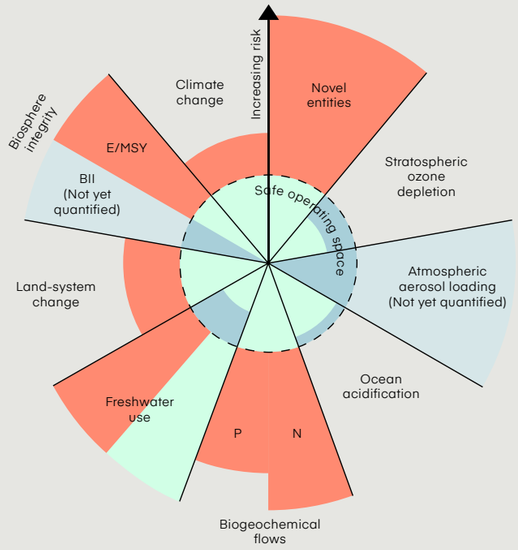
Planet Boundaries

The nine Planet Boundaries which are defined by well-known climate scientist, Johan Rockström, as the major natural systems that hold our planet at the level of stability necessary for human prosperity. Unfortunately, most of these boundaries are now at dangerous levels. At Soulmates Ventures, our long-term strategy is to support activities and projects that contribute to the stabilisation of these planet boundaries.

Ocean acidification

SAFE

About a quarter of the CO2 that humanity puts into the atmosphere eventually dissolves in the oceans where it increases acidity of the water. This in turn makes it difficult for corals and fish species to survive, changing the dynamics of ecosystems and drastically reducing fish stock.



Stratospheric ozone depletion

SAFE

The ozone layer filters out ultraviolet radiation from the sun; the smaller the ozone layer, the more dangerous UV radiation reaches Earth. Exposure to this radiation can cause fatal damage to human health, as well as terrestrial and marine biological systems.

Atmospheric aerosol loading

NOT QUANTIFIED

Aerosol pollution in the atmosphere, and increased levels of dust and smoke, is creating premature deaths (7 million) and health issues due to air pollution exposure. The planetary atmospheric aerosol boundary shows the influence of this pollution.

Source: Stockholm Resilience Centre, Johan Rockström

Chemical pollution and the release of novel entities

DANGER

Toxic and long-lived substances such as plastics, pollutants, heavy metal compounds and radioactive materials are having irreversible effects on living organisms, the climate and the environment.

Nitrogen and phosphorus flows to the biosphere and oceans

DANGER

Industrial and agricultural processes have majorly altered cycles of nitrogen and phosphorus which are essential elements for plant growth. Application of fertilisers is a particular concern, as when these chemicals reach the sea they cause marine and aquatic damage.

Land system change

DANGER

Conversion of natural vegetation into farmland is causing severe biodiversity loss and impacts on water flows and biogeochemical cycling. The boundary of land system changes must reflect not only the quantity of land but its function and quality.

Climate change

DANGER

Production of greenhouse gases and emissions in the atmosphere are warming the planet, melting glaciers and affecting ocean levels and acidity. If the 2°C limit is exceeded, irreversible and extreme weather changes can occur.

Loss of biosphere integrity

DANGER

Changes to ecosystems have been more rapid in the last 50 years than ever before. An increase in human activity and the larger demand for food, water and natural resources is at a historical high.

Freshwater use

1/2 DANGER

Due to human land-use changes, river flows and vapour flows are changing and affecting the distribution of global freshwater systems. Water is becoming increasingly scarce, by 2050 around half a billion people are likely to require water system intervention.

Climate Objectives and Key Results (cOKR)

Events in recent years, such as the Covid-19 pandemic and the military conflict in Ukraine, have made it harder to achieve some of the goals, but there is still a need to conceptualize and make every effort to decarbonize global systems.

Manufacturing & Industry

Reduce total industry-related emissions from 12 Gt to 4 Gt in 2050

– Steel / Reduce 3 Gt by 2050: Reduce the carbon intensity of steel production by 50% in 2030 and 90% in 2040.

– Cement / 2 Gt reduction by 2050: Reduce the carbon intensity of cement production by 25% in 2030 and 90% in 2040.

– Other industries / 2 Gt reduction by 2050: Reduce emissions from other industrial sources (plastics, chemicals, paper, glass, aluminium) by 80% by 2050.

Food & Agriculture

Reduce total emissions from food and agriculture from 9 Gt to 2 Gt in 2050

– Farm soils land / Reduce 2 Gt by 2050: Improve soil health through practices that increase topsoil carbon content to at least 3%.

– Fertilisers / 0.5 Gt reduction by 2050: Stop the overuse of nitrogen fertilisers by 2050 and develop greener alternatives to reduce emissions by 50%.

– Consumption / 3 Gt reduction by 2050: Promote lower-emitting proteins and reduce annual beef and dairy consumption by 25% by 2030 and 50% by 2050.

– Rice / 0.5 Gt reduction by 2050: Reduce methane and nitrous oxide production from rice cultivation by 50% by 2050.

– Food waste / 1 Gt reduction by 2050: Reduce food waste from 33% of total food generated to 10%.

Remove carbon

Reduce total greenhouse gas emissions by actively removing them at a rate of 10 Gt/year.

– Nature-based removal / 5 Gt reduction: Remove at least 1 Gt of greenhouse gases / year by 2025, 3 Gt by 2030 and 5 Gt by 2040.

– Engineered removal / 5 Gt reduction: Remove at least 1 Gt of GHG/year by 2030, 3 Gt by 2040 and 5 Gt by 2050.

Source: Speed & Scale, John Doerr

Climate Objectives and Key Results (cOKR)

Energy

Reduce total power sector emissions from 24 Gt to 3 Gt in 2050

– Zero emissions / 16.5 Gt reduction by 2050: 40 – 50% of global energy will come from renewables in 2025, rising to 90% in 2035.

– Solar and wind energy: Solar and wind power is cheaper to build and operate than fossil fuels in 100% of countries in 2025.

– Energy storage: Energy storage will be below $50/kWh for short-term storage (4 – 24 hours) in 2025. For long-term storage (14 – 30 days) it will be below $10/kWh in 2030.

– Coal and gas: No new construction of coal or gas plants after 2021. Existing plants will retire or convert to zero-emission operation for coal by 2025 and for gas by 2035.

– Methane emissions / 3 Gt reduction by 2050: By 2025, reduce the number of methane leaks and discharges, fracking and various accidents and unnecessary flaring at fossil fuel plants.

– Heating and cooking / reduction of 1.5 Gt by 2050: Reduce gas and oil consumption for heating and cooking by 50% by 2040.

– Clean economy: Reduce dependence on fossil fuels and increase energy efficiency to quadruple the clean energy productivity rate (GDP + fossil fuel consumption) by 2035.

Mobility

Reduce total transport emissions from 8 Gt to 2 Gt by 2050

– Price: The price for an EV will be the same as a new internal combustion engine car.

– Cars: One out of every two new cars will be electric in 2030, with EV representation rising to 95% in 2040.

– Buses and trucks: All buses will be electric in 2025. 30% of medium and heavy trucks will be emission-free in 2030, rising to 95% in 2045.

– Miles / 5 Gt reduction: 50% of distance travelled by road vehicles will be electric in 2040. 95% in 2050.

– Planes / 0.3 Gt reduction: 20% of distance flown will use low carbon fuel in 2025. 40% of distance flown will be carbon neutral in 2040.

– Maritime / 0.6 Gt reduction: Shift all new construction to zero-emission ships by 2030.

Protect nature

Reduce total biodiversity-related emissions from 6 Gt to -1 Gt by 2050

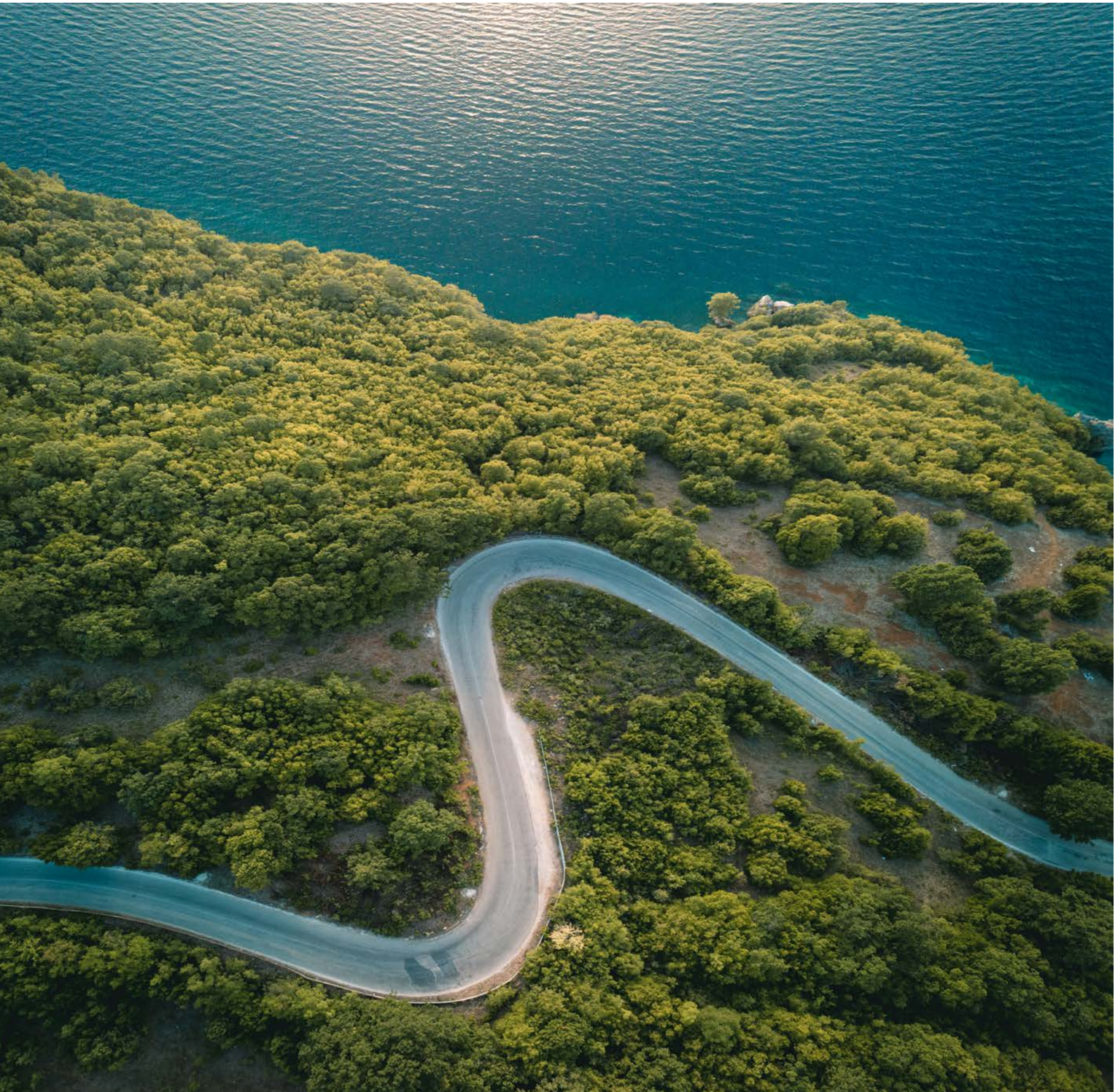
– Forests / Reduce 6 Gt by 2050: Achieve emission-free deforestation by 2030; end destructive practices and logging in primary forests.

– Oceans / 1 Gt reduction by 2050: Avoid deep-sea trawling and protect at least 30% of the oceans by 2030 and 50% by 2050.

– Lands: Expand protected landscapes from 15% today to 30% in 2030 and 50% in 2050.

Source: Speed & Scale, John Doerr

Next steps



By analysing the current state of sustainability in our ecosystem, we now know the relevant areas to address and improve in future for our portfolio.

The specific metrics that we use show investors and partner organisations our dedication to sustainability. The metrics that we work with provide relevant non-financial data about the startup's impact on its environment (ESG) and the future potential of its positive purpose and societal contributions (ERP and SDGs).

Some of them are already used in processes today such as, during DD, startup analysis or acceleration; ESG framework for startups, SDGs, Startup's Purpose Indicators, strategy for product's impact.

Some will be launched this year, one of the main focuses on the Soulmates Ventures 2022 agenda.

We want to create sustainability development strategies that prepare startups for the ongoing scaling process. The goal is to increase the positive benefits and impacts, while reducing the negative impacts on society and nature. These strategies will reflect current scientific knowledge.

To better define our climate commitments, we will analyze the emissions footprint of each of our startups in and members in ecosystem in 2022. Then we will propose concrete solutions to actively reduce this calculated footprint, improving it for the entire ecosystem.

We intend to measure, evaluate, and record the development of sustainability achieved on a regular basis.

People in our ecosystem

Acknowledgements

Thank you to all of the investors, experts, partners and colleagues in the Soulmates Ventures ecosystem, and to all of the founders and people in the breakthrough projects in our portfolio who joined us to bring needed solutions that contribute to solving global problems.