

**Project Number:** BIN SGS01\_2020\_023

**Project Title:** Energy savings and a better environment for children with attendance analysis.

**Call:** BIN SGS01

**Programme area:** Green Industry Innovation

**Region of the Project Implementation:** Trnavský

**District of the Project Implementation:** Galanta

**Estimated Date of Project Completion:** 30.11.2022

**Project Promoter:** Zachráň včely s.r.o.

**Project Grant Approved:** 154 350 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6034938/>

**Project description:** The project is focused on saving energy and improving the interiors of buildings. Device established in public buildings such as schools or offices, measures and collects data on ventilation, air quality, humidity, temperature, noise, dust, CO2 levels etc. in the rooms. Based on the analyses of the collected data, it is possible to set up the environment of the building to become healthy for its inhabitants, saved energy consumption and reduce pollution.

**Project Number:** BIN SGS01\_2020\_012

**Project Title:** SELITEX - Second Life for Textile

**Call:** BIN SGS01

**Programme area:** Green Industry Innovation

**Region of the Project Implementation:** Bratislavský

**District of the Project Implementation:** Pezinok

**Estimated Date of Project Completion:** 28.02.2024

**Project Promoter:** WAKIVAKY j.s.a.

**Project Grant Approved:** 194 787 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6035065/>

**Project description:** The aim of the project is to contribute to solving the global problem by creative upcycling of generated textile waste. HACHAI is a new type of seat bag that absorbs about 10 times more textile waste for its production than other similar products. It recycles used material from the automotive and furniture industries. HACHAI could be also easily recycled for further production of a new seat bag, or textile boards used in construction and transportation.

**Project Number:** BIN SGS01\_2020\_026

**Project Title:** Replacement of Obsolete Wave Energy for the third generation

**Call:** BIN SGS01

**Programme area:** Green Industry Innovation

**Region of the Project Implementation:** Prešovský

**District of the Project Implementation:** Poprad

**Estimated Date of Project Completion:** 31.08.2023

**Project Promoter:** niore Energy, s.r.o.

**Project Grant Approved:** 159 750 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6057691/>

**Project description:** Current forms of sea wave energy conversion are so inefficient that it has not yet been able to be applied in the distribution network on a larger scale. Niore Energy brings new WEC (Wave Energy Conversion) technology - a sea wave energy converter that uses rotational motion. The aim of the project is to develop a feasibility study of WEC from the point of view of performance and capacities and in terms of business. WEC technical parameters will be tested on a functional model in order to include the equipment into a production cycle.

*Project Partner: Integrate Renewables AS*

**Project Number:** BIN SGS01\_2020\_010

**Project Title:** Predictive telemedicine platform for senior populations

**Call:** BIN SGS01

**Programme area:** Welfare Technology and Ambient Assisted Living Technologies

**Region of the Project Implementation:** Bratislavský

**District of the Project Implementation:** Bratislava IV

**Estimated Date of Project Completion:** 31.10.2023

**Project Promoter:** S-Case s. r. o.

**Project Grant Approved:** 140 418 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6066356/>

**Project description:** The project aims to improve elderly health by creating of a predictive telemedicine platform. The device allows monitoring and collection of data on the health condition of seniors who do not see a doctor. The small portable device is equipped with a pulse oximeter, blood pressure monitor, thermometer and glucometer with a digital database of patients and the ability to transmit data remotely e.g. from home to a doctor. The device is an innovation in healthcare industry in terms of an integration of several separate devices into an "all-in-one" diagnostic tool. S-Case in collaboration with a Norwegian project partner will use collected data to construct a predictive diagnostic platform with patients at home and with a doctor in his remote office.

*Project partner: Infiniwell AS*

**Project Number:** BIN SGS01\_2020\_003

**Project Title:** mFIRES – Modular First Responder Information System

**Call:** BIN SGS01

**Programme area:** Welfare Technology and Ambient Assisted Living Technologies

**Region of the Project Implementation:** Prešovský

**District of the Project Implementation:** Stará Ľubovňa

**Estimated Date of Project Completion:** 31.12.2022

**Project Promoter:** INTELLOPE, s. r. o.

**Project Grant Approved:** 169 569 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6066293/>

**Project description:** The main goal of the mFIRES project is to bring ICT solutions in the form of a system of assistance services for elderly, people after surgery, disabled or otherwise dependent seniors. Intellope together with the project partner Samaritans Association, which is a long-term operator of SOS line, identified new kind of services based on the needs and requirements of their clients. The services will be provided by creating three modules within the mFIRES IT system. By combining the modules, it will be possible to secure seniors with social, medical and technical support, assistance with daily living activities, maintain independence and social interaction.

*Project Partners:* Samaritans Association of Slovakia; ICB Digital AS

**Project Number:** BIN SGS01\_2020\_030

**Project Title:** Green roof, energy and water flow model (acronym GreenEnWat Model)

**Call:** BIN SGS01

**Programme area:** Green Industry Innovation

**Region of the Project Implementation:** Košický

**District of the Project Implementation:** Košice I

**Estimated Date of Project Completion:** 31.05.2023

**Project Promoter:** Sky Gardens s.r.o.

**Project Grant Approved:** 144 513,00 €

**Project Contract:** <https://www.crz.gov.sk/zmluva/6045563/>

**Project description:** The project aims to create a software for designing green roofs precisely tailored to a specific building. Based on the collected data, the software will allow the person interested in a green roof to display not only the visualization of the architect's design, but also the operation of the building in terms of energy, water management (rainwater, grey water) along with economic aspects - investments, operating costs and savings. The software will also include the calculation of environmental benefits in a form of emission saving visualization. The green roof model will be located at the Technical University in Košice.

*Project Partners:* Technical University in Kosice, Faculty of Mining, Ecology, Process Control and Geotechnologies; Høgskulen for Grøn Utvikling (The College for Green Development)