



CARLSONInvestments

Monthly report

# CARLSON INVESTMENTS SE

For the period from 01.12.2022 to 31.12.2022

Board of Directors of CARLSON INVESTMENTS SE  
with its registered office in Warsaw  
(hereinafter referred to as the Issuer, the  
Company) provides the enclosed monthly  
report  
For December 2022.

Legal basis:

Legal basis: para. 16 of the Appendix  
to Resolution No. 293/2010 of the  
Management Board of the Warsaw Stock  
Exchange of 31.03.2010.

"Good Practices of Companies Listed on  
NewConnect".

Persons representing the Issuer

Aleksander Gruszczynski - Chairman of the Board

Warsaw, January 13, 2023.



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## 1. DESCRIPTION OF TRENDS AND EVENTS IN THE ISSUER'S ENVIRONMENT

[CARLSON INVESTMENTS SE](#) (hereinafter: "Issuer", "Company") is the entity at the head of the CARLSON INVESTMENTS SE Group. As the "parent" company, it focuses its activities on the optimal management of its subsidiaries and on providing them with support for their operations. The Issuer also supervises and implements the adopted development strategy of the Capital Group.

Currently, the structure of the CARLSON INVESTMENTS Group includes the entities indicated below:



[carlsonaic.com](http://carlsonaic.com)

**Carlson Investments Alternatywna Spółka Inwestycyjna S.A.** specializes in investments in Companies and entities with high growth potential, often based on research and development projects and having proprietary technology in areas such as medtech, fintech and biomedical projects. The Company also conducts its business with an eye on foreign markets.



[techvigo.co.uk](http://techvigo.co.uk)

**Techvigo Ltd.** is an IT market technology company operating in its current form for 11 years. It specializes in IT solutions for Cyber Security, logistics, tourism and other industries. It is a producer of many software tools implemented on behalf of corporate clients in the Polish and foreign markets. It has in its assets the largest map resources of Poland. Techvigo Sp. z o. o.'s main standard product lines are the TourdeskCRM system for tourist agencies and map products from the Navigo line.



**Gaudi Management S.A.** is a private company specializing in private equity investments in small and medium-sized companies. The Company's investments are not limited to specific industries, but the vast majority of them are in Polish companies. Thanks to its independence, high flexibility and maximally reduced formal requirements, the Company is able to make investment decisions much faster than any large private equity funds.



[carlsonfinance.com](http://carlsonfinance.com)

**Carlson Capital Partners Sp. z o.o.** is an investment and advisory firm specializing in advising on matters related to mergers and acquisitions, transactions related to raising capital for non-public companies (private placement), pre-IPO, i.e. preparing companies to go public (e.g. into a joint stock company), advising on the listing of companies on the Warsaw Stock Exchange (IPO), trust and fiduciary services, as well as services related to tax optimization of capital transactions, raising capital from venture capital and private equity funds, and financing of commodities and foreign trade.



[paymiq.com](http://paymiq.com)

**Paymiq Financial Group Ltd** is a Canadian fintech, creating tools to manage everyday finances for individuals and businesses in payment accounts, mobile banking, SWIFT payments, SEPA payments and a functional currency exchange platform.



[helvexia.com](http://helvexia.com)

**Helvexia PTE Ltd** is a fintech start-up in Asian markets with an experienced team of international specialists familiar with the HELVEXIA is a new player in the fintech industry with ambitious plans for rapid expansion in Asian and US markets. The company is distinguished by an experienced team of international specialists familiar with both blockchain and cryptocurrencies, as well as the banking and payments industry. HELVEXIA focuses on creating tools to manage everyday finances for individuals and businesses. Blockchain and cryptocurrencies, as well as from the banking and payments industry, creating tools to manage everyday finances for individuals and companies.



**Carlson Ventures S.A** Company specializing in fund management and management of alternative investment companies. The subsidiary is the sole general partner of CARLSON VENTURES SPÓŁKA AKCYJNA ONE ALTERNATIVE SPÓŁKA INWESTYCYJNA SPÓŁKA KOMANDYTOWO AKCYJN, which specializes in collecting assets from a wide range of investors for investment in accordance with the company's investment policy primarily in technology startups with an emphasis on Spacotech and Deeptech companies located in the US and Asia.

Helvexia PAY Ltd. will operate in the field of payment services as a small payment institution. The company has not yet commenced operations.



[hotblok.pl](http://hotblok.pl)

**Hotblok Polska Sp. z o.o.** offers an exclusive license for the production and sale in Poland of the HOTBLOK system, the simplest building erection system that saves a lot of time and reduces construction costs. The Hotblok system achieves truly impressive thermal insulation values in accordance with the latest guidelines, allowing it to meet the requirements of passive construction.



[bloomvoyages.com](http://bloomvoyages.com)

**Bloom Voyages Ltd.** The company is a premium travel agency, dealing with "tailor-made" tourism, which means that events are prepared according to individual customer demand. Ultimately, the subsidiary will be based on a program supporting the creation of tourist offers based on an artificial intelligence module. This is to be an innovative tool created and developed by the Bloom Voyages team aimed at shortening the process of creating tourist events by automatically matching customer preferences with current opportunities taking into account risk factors such as political conflicts, climatic events, epidemiological situations, etc.

A key focus of the Issuer's business remains formalized advisory services provided to Carlson Ventures International Limited (CVI), including actively seeking investors and new projects in disruptive industries such as IT, DeepTech, SaaS, FinTech, MedTech, CleanTech, IoT, Augmented Reality, Artificial Intelligence, Nanotechnology, Nanorobotics, Machine Learning, Biotechnology, Medicine, Education, Pharmacology, Consumer Foods, among others, that could complement the Carlson ASI Evig Alpha Fund's portfolio.



The [CARLSON ASI EVIG Alpha](#) Fund was established in partnership with Carlson Ventures International LTD to invest in early-stage technology projects targeting R&D with the potential for global commercialization. Carlson ASI EVIG Alpha focuses on key industries for the modern knowledge economy, with a particular emphasis on issues using elements of artificial intelligence

(AI) in industries such as: FinTech, MedTech, IoT and CleanTech.

To date, the CARLSON ASI EVIG ALFA Fund is involved in the following research and development projects, which are ventures from the most promising for the development of the economy:

## MEDETECH



[pelvifly.com](http://pelvifly.com)

**Pelvifly** - pelvic floor muscle diagnostic and rehabilitation system. It is a wireless vaginal probe that allows multidimensional diagnosis of pelvic floor muscle structures and enables safe and effective rehabilitation both in the office of a medical specialist and at home, together with software for data analysis and interpretation (application and telecare system). The doce-low group for the device includes individual users (B2C) and doctors, specialists, therapists, rehabilitators (B2B. )



[enforcemed.co.uk/en](http://enforcemed.co.uk/en)

**ENforce** - the project will develop a commercially ready Enforce Bionic Foot prosthesis, which in terms of performance and business model will be far superior to products available on the market. The Enforce Bionic Foot prosthesis will provide an amputee with the most natural-like mobility. As a result, it will enable a person to return to normal daily activities, minimizing the risk of additional problems developing over time within the skeletal system, and which, in the case of traditional prostheses, are the result of asymmetrical load distribution in healthy parts of the musculoskeletal system.



[nutrix.tech](http://nutrix.tech)

**Nutrix AI** - is a Swiss medical technology startup that focuses on developing artificial intelligence software and algorithms to help monitor glucose present in saliva and treat diabetes. The startup's overarching goal is to use the full potential of artificial intelligence to give patients the ability to monitor their health in an easy, non-invasive and painless way. The Nutrix solution aims to help people change the habits necessary to control obesity or manage a pre-diabetic condition.



[biometricsecurity.co.uk](http://biometricsecurity.co.uk)

**Biometric Security** - the subject of the project is the design and development of a prototype system for aseptic and contactless human authentication based on biometric data of the subcutaneous vein system of the hand. The sensor will use illumination of the soft tissue of the hand with an appropriate wavelength to highlight the vein system.



[deventiv.com](http://deventiv.com)

**Deventiv** automatic intraoral scanner. DAOS - Deventiv Automatic Oral Scanner, when placed in the patient's mouth, will perform automatic imaging of teeth and gums with high accuracy, speed and without active participation of the operator, i.e. without active manual operation of the operator to perform the examination. The device's work will result in a standard 3D model of the mouth, in the form of a computer file, which is necessary for dental treatment planning. Deventiv was nominated in February in the 4th edition of the Start-UP-MED competition, which was a side event of the 7th Health Challenges Congress.



[timeqube.com](https://timeqube.com)

**Timeqube** - offers solutions for intuitive control of user time. With Timeqube, participants can control each other's meeting time without the inconvenience of looking at each other or glancing at clocks.



[hinter.ai](https://hinter.ai)

**Hinter.ai** - SaaS system for collecting and analyzing information in an organization. A set of standardized questions. Responses are given on a multi-level scale of acceptance and rejection (from full agreement with a given statement to disagreement) with the possibility to add comments and improvement ideas. The results of the survey take into account the specifics of the organization.



[mkomornik.p](https://mkomornik.p)

**mKomornik** - the aim of the project is to create a desktop application and a mobile application mKomornik, which will allow mobile access to the data and tools of a bailiff's office to optimize the work of a bailiff with the use of methods for recommending bailiff cases using machine learning algorithms. mKomornik is software for bailiffs' offices, which will include a website, a mobile application for the Android/iOS platform and the mKomornik database.



[cyberheaven.us](https://cyberheaven.us)

**CyberHeaven** - encrypted video conferencing. The subject of the project is the creation of a secure, encrypted virtual meeting space allowing users to use multiple platforms, including web browsers and dedicated mobile applications for Android, iOS and HarmonyOS platforms. The product addresses solutions related to cyber security in communications.



[walksee.co.uk](https://walksee.co.uk)

**WalkSee** - a tool for creating virtual walks using only the user's smartphone. The technological heart of the product innovation will be the "e-statement," a software solution for acquiring 360° spherical images using an ordinary smartphone camera. The technology captures high-quality images, alleviating the problems associated with imperfect human motor skills, so that the combined images give a full 360° spherical image of a room without imperfections.



[z-rays.co.uk](https://z-rays.co.uk)

**Z-RAYS** the subject of the project is to produce an intelligent solution for efficient and ergonomic monitoring of the mainframe environment in real time in order to optimize the efficiency of the IT specialist's work and improve troubleshooting time during the operation of mainframe systems. Monitoring will take place without significant impact on system performance and significant additional consumption of system resources with the support of Machine Learning algorithms.



[mmpay.site/en](https://mmpay.site/en)

**MMPay** - the subject of the project is a system for detecting forged documents using an artificial intelligence mechanism that detects elements that have been modified, i.e. forged that are invisible to the human eye (e.g. by mixing fonts in a single document, pasting single letters and/or words in place of real ones, forging signatures by pasting them from other documents, etc.). As a result, the system will discover patterns in invoices and analyze the document as an image to isolate suspicious areas indicative of possible forgery.



[epeer.co.uk](https://epeer.co.uk)

**ePeer** - Innovative P2P lending platform. It's a platform that uses artificial intelligence to connect investors and borrowers, solving the problem of liquidity - the inability to invest and borrow small amounts of money safely, easily, quickly. The object of the project is to develop an innovative scoring system that assesses risk using artificial intelligence as a tool for classifying groups of borrowers.

## IoT



[playstrict.com](https://playstrict.com)

SaaS platform for mobile studio GameDevs using AI algorithms for planning, softlaunch optimization, LiveOps and marketing campaigns.



[debster.ai](https://debster.ai)

**Debster.AI** - a debt management system, using machine learning algorithms, will make it possible to increase the efficiency of the creditor's business process. Ultimately, the product will make it possible to view, monitor, process, integrate data and notify of its dynamics based on a new method of recommending receivables for enforcement. The client will be able, using the technology developed under the R&D project, to optimize the process based on the goals and costs set.



[momlink.co.uk](http://momlink.co.uk)



[antonomynow.com](http://antonomynow.com)



[crushvibrotech.com](http://crushvibrotech.com)



[apipay.pl](http://apipay.pl)



[thewoof.co.uk](http://thewoof.co.uk)



[seemore.co.uk/en](http://seemore.co.uk/en)



[atstechnology.eu](http://atstechnology.eu)



[whirla.co.uk](http://whirla.co.uk)



[uavlas.com](http://uavlas.com)

A platform for visualizing and sharing 3D fetal models. The aim of the project is to allow parents-to-be to easily share the results of a 3D ultrasound with their loved ones, without requiring users to install additional applications on their smartphones. And also, thanks to the created algorithms - combining incomplete images to create a corrected 3D photo. The results of the project will be tools and procedures that will allow to send 3D results from the prenatal examination, from the ultrasound camera to the cloud, where they will be refined and processed into a form that works online, in the browser - a high-performance 3D scene. The platform will allow the links created to be shared in a way of unprecedented accessibility. The goal of the project is to enable parents-to-be to easily share 3D ultrasound results with their loved ones, without requiring users to install additional apps on their smartphones. And also, thanks to the algorithms created - combining incomplete images to create a corrected 3D photo. The results of the project will be tools and procedures that will enable the transfer of 3D results from the prenatal examination, from the ultrasound camera to the cloud, where they will be refined and processed into a form that works online, in the browser - a high-performance 3D scene. The platform will allow sharing of the links created in a way of unprecedented accessibility.

**AutonomyNow.** His team has focused on the development of Advanced Driver Assistance Systems (ADAS). The solution will be dedicated to city buses that meet the criteria for Level 1 autonomy - a basic driver support system to enhance driver perception. The system will recognize and identify incidents in real time and inform the driver of potential dangers on the road.

**CrunchVibroTechOne** is developing an IoT solution that will improve the efficiency parameters of the raw material grinding process, while reducing costs, by optimizing the parameters of the machines used in the process. In addition, the solution will enable remote fault prediction and reduce the need for servicing, as well as allow remote process management.

**mPOS apipay** - is a simple and comprehensive solution for accepting electronic payments. The technology used in apipay makes it extremely easy to operate the device. At the same time, mPOS gives you the opportunity to accept payments anywhere and anytime, under extremely attractive conditions

**WOOF** Smart dog collar. Monitoring location, activity level and health status. It will allow monitoring the pet's location, activity level and health status. The device, which is being developed by The Woof team, will be equipped with a number of sensors monitoring not only the pet itself, but also its surroundings. All data collected by the system will be processed to create a profile of the dog, on the basis of which abnormal changes will be caught - both those accepted by veterinarians and those individual to a given dog

**Seemore Aware** - aims to create a solution that enhances motorcyclist safety by creating a spatial map of the road environment, recognizing objects on the road and fully integrating with the helmet's heads-up display creating a solution based on full augmented reality - AR (Augmented Reality).

**ATS TECHNOLOGY** - the subject of the research project is a new Ultra Convenience sales model, implemented in an innovative mobile retail container /pavilion, for which it is possible to achieve an average monthly profitability at the level of operating profit, higher than 5%. The purpose of the R&D project is to verify the functional, technological and business assumptions of the new concept of 24-hour and unmanned sales based on a modular container store - Ultra Convenience.

**Whirla** to manage and optimize shared office space- IoT in PropTech industry, enabling management of shared workstations in the organization space. The proposed solution will optimize the organization's hotdesk space taking into account employee comfort (preference), real-time monitoring of desk occupancy and reservation of hotdesk positions.

**Uavlas** - a precision landing system for unmanned aerial vehicles. The subject of the project is the creation of a system for precise landing on the so-called "last meters" operating independently of weather and geolocation conditions, consisting of a ground-based transmitter (landing platform) and a lightweight on-board receiver on a drone (Plug&Play), as well as software enabling the system to operate with well-known autopilots.



[unicomm.tech](http://unicomm.tech)

**Unicomm** - Residential Automation. Unicomm system for energy and thermal optimization of multi-family residential buildings, which is a "smart home" solution. The aim of the business is to popularize modern, comprehensive infrastructure solutions of the so-called "smart home" and to produce a simpler and more accessible system of home automation, which includes areas for managing lighting, heating, power supply of sockets - allowing you to turn off or on RTV/appliances. The heart of UNICOMM, is a designer control panel, which is also a video intercom.



[terrabilio.tech](http://terrabilio.tech)

**TerraBio** - a system for intelligent agricultural production. TerraBio will be a mobile genetic analyzer applicable to the agri-food industry for the diagnosis of pathogens of food, crops, feed and livestock in < 35 min, along with a forecasting platform giving the ability to acquire information on the predicted growth of a pathogen in relation to weather conditions. The information will be readable on a smartphone, tablet or computer via wireless and USB connectivity.



[noelleled.eu](http://noelleled.eu)

**NoelleLED** is a project to launch the production of a range of LED lamps, together with the construction of technical infrastructure that implements the functions of the Advanced Lighting Control System - enhancing safety at its application sites. Solve the problem of lighting and safety of roads and squares, providing an innovative, environmentally friendly and cost-competitive lighting management system to help general lighting operators, including TSU managements, meet the statutory obligation to replace it with energy-efficient and low-efficiency emitting light sources



[podioom.net](http://podioom.net)

**PODIOOM** - is a SaaS platform that supports the trainer-trainer relationship and professionalizes the market for coaching and rehabilitation services. The podioom PRO application saves time for every personal trainer. Thanks to the calendar, CRM and automatic training reservation modules, the trainer saves at least 1 hour a day, which he can devote to the next training session with his charge. The podioom app is an opportunity to train with a professional personal trainer for every exerciser

In December 2022, CARLSON ASI EVIG ALFA venture capital fund expanded its portfolio with more projects. BRUM, Sensus AI and Flotation Innovation have joined the ranks of portfolio companies.



**BRUM** is a project whose target audience will be people planning to build a house or renovate an apartment. The recommendation platform being developed by the originators, backed by artificial intelligence, is to be the place of first choice for each person at any stage of this process, prompting, recommending and guiding users through purchasing processes, related to construction or renovation, presenting product and guide content. The system will offer, selected individually for each user, the most interesting bargains available on the market. It will be based on a subscription model. At the same time, the user will have to agree to profiling and go through a short preference test, which will allow the offer and the presented content to be tailored to their individual needs.



**Sensus AI** The second new startup to receive support from Carlson ASI Evig Alpha is Sensus AI. The originators of the project are creating an application that will ultimately support processes that require decision-making related to human mental properties. Its task will be to create predictions of the personal qualities of its user based on facial reactions evoked by the video presented on the computer screen. The subject will be presented with a set of videos and microexpressions will be recorded while watching them. With the support of machine learning, mental toughness and personality will be determined on the basis of the Big Five model, a five-factor model of personality including the following factors: extraversion, neuroticism, openness to experience, agreeableness and conscientiousness. The application under development will reduce the time and cost of personality tests to determine personality potential.

**Flotation Innovation** The subject of the last project, Flotation Innovation, on the other hand, is the development of a system using artificial intelligence methods to control the process of spatial concentration, i.e. a technology involving the compaction of plastics at low temperature, without degrading the material. The solution will be addressed to any entity that recycles or processes plastics. Currently, Carlson ASI Evig Alpha's portfolio includes 37 projects in industries such as medtech, AI, and IoT. The fund is one of the most active domestic VCs in Poland. In 2022 alone, it made 13 new investments.

The subsidiary [HOTBLOK Polska Sp. z o.o.](http://HOTBLOK Polska Sp. z o.o.) from December 5 to December 8, 2022 participated in the **BIG 5**, the largest

international construction trade fair in the Middle East region, held in Dubai.

HOTBLOK Poland is looking for manufacturers interested in acquiring a license for the production of HOTBLOK blocks for the construction of energy-efficient single-layer walls with an excellent wall thermal insulation coefficient of  $U=0.15$   $w/m^2-K$  in the Gulf area.



## 2. SUMMARY OF REPORTS PUBLISHED BY THE ISSUER IN DECEMBER 2022,

**During the reporting period (i.e., December 2022), the Company published the following reports via the EIB system:**

- 02-12-2022 | Current Report No. 25/2022 - Signing of an annex to the agreement with the Authorized Advisor
- 12-12-2022 | Current Report No. 26/2022 - Termination of agreement with auditing firm
- 14-12-2022 | Current Report No. 27/2022 - Monthly Report November 2022.
- 23-12-2022 | Current Report No. 28/2022 - Signing of contract for audit of financial statements for 2022 - 2023

**During the reporting period (i.e., December 2022), the Company did not publish reports via the ESPI system.**

## 3. INFORMATION ON THE ACHIEVEMENT OF THE ISSUE OBJECTIVES,

During the period covered by the report, the Company did not meet its issuance targets.

## 4. INVESTOR'S CALENDAR

By February 14, 2023, the Issuer's Management Board will make public the contents of the monthly report for January 2022.

On February 14, 2023, the Issuer will publish the contents of the Interim Report for the fourth quarter of 2022.





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