

# WORLD-CLASS AGETECH INNOVATIONS FROM FINLAND

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BUSINESS  
FINLAND

#FINLANDWORKS

05/2022

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BUSINESS  
FINLAND

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# WHY FINLAND?

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**BUSINESS  
FINLAND**

**THE BEST  
IN THE WORLD  
AT INNOVATION**

WORLD ECONOMIC FORUM  
GLOBAL COMPETITIVENESS  
REPORT 2017–2018

**THE BEST  
DIGITAL SKILLS  
IN THE WORLD**

GLOBAL COMPETITIVENESS  
REPORT 2020

**THE TOP CREATOR OF  
"MARKETS OF TOMORROW",  
ESPECIALLY IN AREAS  
THAT REQUIRE  
PUBLIC-PRIVATE  
COLLABORATION**

WORLD ECONOMIC FORUM,  
GLOBAL COMPETITIVENESS  
REPORT 2020

**AMONG THE BEST  
UNIVERSITY-INDUSTRY-  
RESEARCH  
COLLABORATIONS  
IN THE WORLD (#4)**

WORLD ECONOMIC FORUM  
GLOBAL COMPETITIVENESS  
REPORT 2020

**THE TOP NATION  
AT INCREASING  
INCENTIVES TO  
DIRECT FINANCIAL  
RESOURCES TOWARDS  
LONG-TERM  
INVESTMENTS,  
STRENGTHEN  
STABILITY AND  
EXPAND INCLUSION**

WORLD ECONOMIC FORUM  
GLOBAL COMPETITIVENESS  
REPORT 2020

**THE BEST  
AVAILABILITY  
OF THE LATEST  
TECHNOLOGIES,  
SCIENTISTS AND  
ENGINEERS**

WORLD ECONOMIC FORUM  
GLOBAL COMPETITIVENESS  
REPORT 2017–2018

**FINLAND IS RANKED  
#7 IN THE WORLD  
IN THE GLOBAL  
INNOVATION  
INDEX 2021**

# WHY FINLAND?

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BUSINESS  
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FINLAND IS A PIONEER IN TELECOM, DIGITAL SERVICES AND APPLICATIONS, WHICH, TOGETHER WITH A HISTORY OF PUBLIC-PRIVATE PARTNERSHIP, PROVIDES A FRUITFUL GROUND FOR INNOVATIONS IN AGETECH

## #1

### **WORLD LEADER IN TELECOM INNOVATIONS**

Finland has strong know-how in the areas of telecommunications and related supporting technologies and applications.

## #2

### **GOVERNMENT BACKING**

Finland has one of the most efficient healthcare systems in the world, offering high value and quality for money spent. Close cooperation between research, SMEs and the public sector is just one of the country's advantages. The Ministry of Social Affairs and Health currently support the development of Agetech solutions through a number of programs directed at the Wellbeing services counties.

## #3

### **HOME OF WORLD-CLASS INNOVATIONS**

Finland, being one of the leading countries in adoption of digital products and services, is home to hundreds of innovative social and healthcare technology companies.



# HIGH-LEVEL BUSINESS ECOSYSTEMS AND RESEARCH

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**BUSINESS  
FINLAND**

## **MSAH**

The Ministry of Social Affairs and Health is funding several programs to support the development of services for the elderly including Agetech solutions. Examples of such programs are:

- Towards Ethical and Sustainable Technology-Supported Ageing at Home in Finland – the KATI Programme
- Kotona asumista tukevien palvelujen kehittämiseen (Development of services for coping at home)
- The future social and healthcare center program includes many development programs within elderly care in the regions

## **VTT**

VTT Technical Research Centre of Finland is a key player in a national and international context, engaging with stakeholders, actively creating and participating in national ecosystems, EU consortia, networks and public-private partnerships.

## **BUSINESS FINLAND**

Business Finland is the enabler of large ecosystems including universities, research institutions, welfare services, counties and companies. Business Finland can finance ambitious large-scale projects.

# DEFINITION OF AGETECH IN FINLAND

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BUSINESS  
FINLAND

WE DEFINE AGETECH AS DIGITALLY ASSISTED  
TECHNOLOGIES, SOLUTIONS, PRODUCTS OR SERVICES  
THAT ARE AIMED AT AND HELP IMPROVE THE ACTIVE  
AND INDEPENDENT LIVING OF THE AGING POPULATION





# VARIETY OF AGETECH SOLUTIONS

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BUSINESS  
FINLAND

## 1. SOLUTIONS FOR ACTIVE INDEPENDENT AGING

### **COPING AT HOME**

Independent

## 2. SOLUTIONS FOR THE HOMECARE ENVIRONMENT

### **SOLUTIONS FOR HOMECARE ENVIRONMENTS**

(diagnosis, physiological  
or cognitive constraint)

Home care or family/relative caregiver

## 3. SOLUTIONS FOR ASSISTED LIVING ENVIRONMENT

### **ASSISTED LIVING**

24/7 care in nursing home-like  
environment

# AGETECH FINLAND

BUSINESS  
FINLAND

## SOLUTIONS FOR ACTIVE AGING

**Terveystalo**



**PRIIMA AVUSTAJA**

**hublet**  
SHARING DIGITAL WORLD

**helppy**

## SOLUTIONS FOR HOMECARE ENVIRONMENTS

**elisa**

**oulumo**



**everon**

**kind full**



**LIVINGSKILLS**

**fastroi**

**NAVIGIL**

**evondos**



**HOIVITA**

**popit**

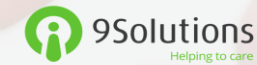
**medixine**



**AXITARE**



## SOLUTIONS FOR ASSISTED LIVING ENVIRONMENTS



**MariCare**  
Member of MariElectronics Group

**yeti**  
TABLET

**Vivago**

**Medeka**



**benete**



**verso vision**



# 1. SOLUTIONS FOR ACTIVE AGING

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IN THIS CATEGORY, WE HAVE COMPANIES OFFERING  
SOLUTIONS FOR COMMUNICATIONS, ENTERTAINMENT,  
DIGITAL REHABILITATION AND HEALTH SERVICES

BUSINESS  
FINLAND





# TERVEYSTALO

## OUR SOLUTION

Our digital health platform for patients includes personal health data, video appointments, chat consultations, renewal of prescriptions, and digital wellbeing programs – both in mobile and desktop.

With the help of the platform, the customer becomes an active participant in her own health and wellbeing. A personalized health plan offers reminders and guidance through all the necessary actions for better health and wellbeing.

## BENEFITS & REFERENCES

In 2021, we reached 1M digital appointments – of which 1 in 4 are in the 50+ age group, which is equivalent to fivefold growth in the last 2 years.

In user experience, one of our key design drivers is focusing on visual, technical and cognitive accessibility (WCAG 2.1). Accessibility enables better experience for all customers, especially for elderly people.

## COMPANY

Terveystalo is the largest private health care service provider in Finland in terms of revenue and network. Terveystalo is also a leading occupational health provider in the Nordic region. Our vision is to use data and our Nordic expertise to create a world with fewer sick days and more healthy, happy years.

In 2021, our revenue was EUR 1.155 million. Terveystalo is listed on the Helsinki Stock Exchange and has predominantly Finnish ownership. Terveystalo's headquarters is in Helsinki.

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# DBC GLOBAL LTD.

## OUR SOLUTION

DBC provides a scalable mobile application-based solution for remote care in Musculo Skeletal disorders (MSK). The DBC solution covers AI-assisted risk assessment, safety checks, triage and optimum patient-specific care paths. Low-risk patients can exercise with progressive patient and symptom-specific exercises provided through the mobile application. Patients can also have remote coaching and support.

## BENEFITS & REFERENCES

With the eDBC mobile application, patients can carry out a quick self-assessment when MSK symptoms arise. If the assessment outcome indicates medium or high risk or a red flag, then the patient is instructed to contact the service provider or the call center will contact the patient. Low-risk patients can use progressive home exercises. The new eDBC solution is currently piloted in several health insurance companies

## COMPANY

DBC is the global leader in Value-Based Healthcare for Musculoskeletal (MSK) Disorders .

\*MSK Disorders: Neck, Back, Shoulder, Hip, Knee, etc. Our unfair advantage includes 27 RCTs / 157 Publications in top medical journals and 25 years' experience in clinical treatment. DBC evidence-based outcomes yield over a 90% success rate. DBC Global Ltd. is an ISO13485-certified company.

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# FINNOSPACE OY

## OUR SOLUTION

PriimaAvustaja makes modern methods of communication accessible for all elders. It is a platform-independent app that makes communication, staying in touch with relatives and scheduling activities easy for everyone. Even people with no prior experience with smart devices can use it effortlessly.

The main focus of PriimaAvustaja is to increase the sense of security for both the elderly and their relatives.

## BENEFITS & REFERENCES

PriimaAvustaja introduces the easiest first step to digital solutions for the elderly, maintaining their cognitive health and therefore improving their quality of life.

Connecting families through PriimaAvustaja's video calling gathers loved ones together in everyday life and provides an outstanding way to prevent loneliness.

PriimaAvustaja is a complete solution that keeps seniors socially active and supports mental wellbeing.

## COMPANY

PriimaAvustaja is product of Finnospace. Finnospace is a Finnish based tech-company and a part of the Priima Group of Companies. Finnospace's current operations are based on providing digital services to various customer groups while simultaneously supporting the operations of the whole Group in the senior housing business.

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# HUBLET

## OUR SOLUTION

Hublet's technology drives the increased adoption of digital services for organizations through the use of secure and lendable tablet devices. Hublet Solution is a customized learning tool, communication device and entertainment center in one package. It offers seniors a simple way to interact with digital services such as entertainment and TV, communication with loved ones, learning and information access.

## BENEFITS & REFERENCES

Hublet improves seniors' welfare and makes everyday life easier for the staff by enabling access to digital content in a structured, secure, and efficient way.

100% of senior residents of Myllypuro Senior Centre in Helsinki, Finland felt the Hublet Solution is safe to use. 75% of them felt their quality of life has improved since they began use of Hublet Solution.

## COMPANY

Hublet is on a mission to allow easy access to digital content and services for everyone.

Developed in Finland but with a global user base, Hublet enables customized content to be digitally delivered to different kinds of services such as hospitals, senior centers, libraries, educational institutions and many more.

## CONTACT

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# HELPPY

## OUR SOLUTION

Compared to traditional home care, we offer 10x more visits from the same familiar helper/nurse, 3x more needs from a single-point-of-contact and a step change in peace of mind via our transparent Family portal. Our freemium Family portal is a great and simple way to start organizing the affairs of your aging parent.

## BENEFITS & REFERENCES

We're off to a fast start, with almost 100% customer retention and satisfaction. We launched in Helsinki and quickly expanded nationwide in Finland. Now, we're aiming to launch in several European countries.

## COMPANY

Helppy is an agetech company that is totally redesigning home care according to the preferences of families, starting from our founder Richard's needs regarding his own mother.

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# 2. SOLUTIONS FOR HOMECARE ENVIRONMENTS

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BUSINESS  
FINLAND

IN THIS CATEGORY, COMPANIES OFFER SOLUTIONS FOR:

- Comprehensive monitoring in home environments
- Monitoring of health and wellbeing indicators
- Video care and communication solutions
- Nutritional care management
- Homecare operational management solutions
- Medicine dispensation and monitoring devices
- Food storage, preparation and digital monitoring
- Chronic disease management solutions aimed at the aging population
- Support services



## ELISA OYJ

### OUR SOLUTION

Elisa Senior Aid brings the senior's closest contacts and support networks into one's own home through one channel. The service is an easy-to-use aid for coping with everyday life.

Seniors living far from their loved ones receive multi-channel support and assistance through Elisa Senior Aid.

With an easy-to-use tablet, loved ones are just a click away from their own living room or service home.

### BENEFITS & REFERENCES

Elisa Senior Aid has a secure video connection between a senior and their homecare, other people can also join a call with their mobile peripherals. This will bring security to all involved.

A lot of personal content can easily be added to the senior's user interface, especially rehabilitative content, the option to order food or to watch TV on YLE Areena, all of which support more time for home-based life.

References: [Digitaalinen palvelujärjestelmä | Elisa Yrityksille](#)

### COMPANY

Elisa's mission is a sustainable future through digitalization. We are a pioneer in telecommunications and digital services, and in 5G. We provide sustainable solutions for over 2.8 million consumers, corporate and public administration customers in our core markets of Finland and Estonia, as well as in over 100 countries internationally.

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# YOY EVERON AB

## OUR SOLUTION

The Lyra Cloud-based Call System can be designed and configured to suit individual care needs within any accommodation setting. The component accessories can be quickly and easily added or removed to create a bespoke call system which will bring reassurance, independence and safety to every user throughout their entire care journey.

## BENEFITS & REFERENCES

Lyra is quickly installed with no need for hard wiring. Integrated wireless press and play telecare and telehealth sensors ensure we can deliver bespoke solutions to meet the changing needs of our users. AI, digital presence and remote visits provide security without compromising privacy. Hundreds of locations and tens of thousands of users across all countries.

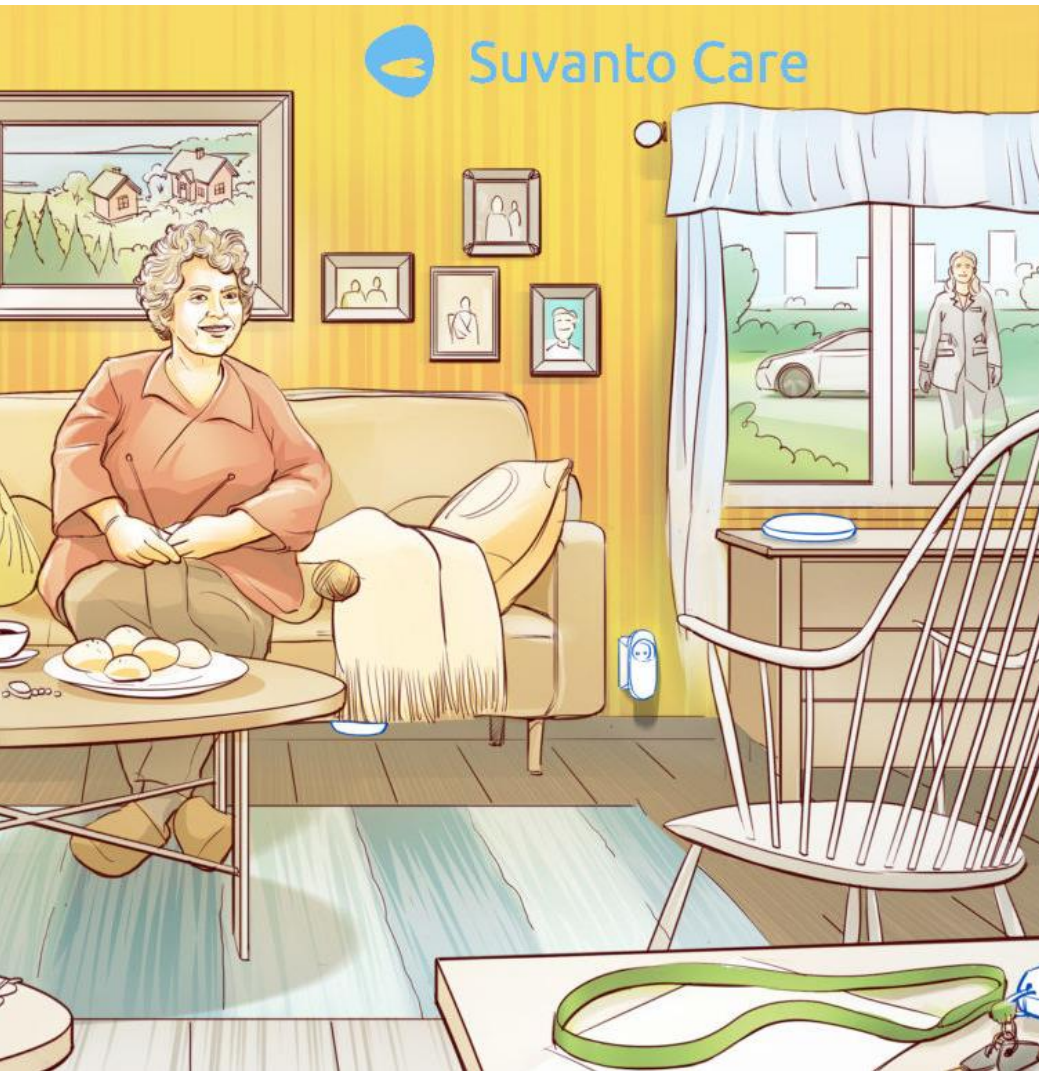
## COMPANY

Everon was founded in Finland in 2004. Since then, we have opened subsidiaries in Sweden and the UK. We have a large in-house development department with competent developers from, among others, Nokia and Microsoft. Our proprietary solutions are patented, and we continuously launch new products and upgrades to meet the changing needs of our customers.

## CONTACT

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# Suvanto Care Oy

## OUR SOLUTION

We offer smart home sensors and locking to produce 24/7 imagery from the living facilities, of the activity level, as well as abnormal behaviour and eating habits. With the Suvanto Video service, carers and relatives can make videocalls to assist with different tasks or just to replace ordinary phone calls and visits. Medical reminders, remote measurements, a care phone and a personal tracker makes every day a little bit safer and they also activate the elderly. Suvanto eDiary brings carers and relatives together them to be able to communicate faster than trying to reach each other with a phone call.

## BENEFITS & REFERENCES

Suvanto's goal is to enable elderlies to live safely at their own homes as long as possible. Our solution helps to plan and execute customers homecare services at their best possible level. The main benefit is predictive and customer-oriented homecare without unnecessary services or costs. Technologies are integrated into one centralized platform and management system. This same IoT-platform enables many smart additional features that an independent device or application cannot offer. Suvanto can also schedule variable alerts from every device needed or abnormal behavior.

## COMPANY

Suvanto Care Oy is a 100% Finnish company from Rovaniemi. Since 2014, our founder and CEO Antti Haukipuro has hired a strong R&D and design team working on a safer future for our elderly. Suvanto services are evolving daily based on our own software. Smart home sensors are produced in Finland and in other technologies we use the best global suppliers like Samsung. We have grown from startup to a 10 person AA-rated company with several national references. Suvanto has a minor export business to Australia, but we are also ready to explore other international possibilities.

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# NAVIGIL LTD

## OUR SOLUTION

Navigil Service and the Navigil 580 wellness wristwatch enables aging-in-place using a blended care model where family members, friends, and professional care providers can safely share relevant data and care tasks. Navigil 580 is the world's smallest analog wristwatch with extended battery life, LTE-M phone call, GPS outdoor and beacon indoor location, activity and wellness monitoring features. The cloud-based Navigil Service features industry benchmark SOS call routing, LTE-M call, notification services, and preventive care wellness trend data analytics.

## BENEFITS & REFERENCES

Aging-in-place with three-day payback time. We can save up to 20% of days spent in the hospital. The largest telecare providers in the EU use Navigil technology.

## COMPANY

Navigil is the leading provider of wearable mobile solutions for the independent living and personal safety market in the EU. Navigil products are used in more than 30 countries.

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# HOIVITA OY

## OUR SOLUTION

Hoivita Care unobtrusively monitors the elderly and tells you how their everyday life is going – or points out if additional support is needed. Our cost-efficient and easy-to-deploy cloud service uses numerous measuring devices to collect health and well-being data from the homes of the elderly. Analyzed information is presented to the caretakers, doctors and loved ones.

## BENEFITS & REFERENCES

We prolong independent living, raise the perceived quality of care and lower the costs of elderly care. Hoivita can deduct and present in a clear manner if a person drinks, sleeps and moves enough at home. Hoivita Care is used by several home care and assisted living service providers in Finland and abroad. Hoivita Respimeter is a CE-marked medical device.

## COMPANY

Hoivita measures the state, vital signs and living environments of the patients and the elderly. Collected data is analyzed and subsequently generates information to support treatment decisions presented to medical and caretaking personnel. Hoivita was formed when two Finnish HealthTech expert companies joined forces. First established in 2018, the company's headquarters are located in Lappeenranta, Finland.

## CONTACT

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# HEART2SAVE

## OUR SOLUTION

Atrial fibrillation (AF) is globally the most common arrhythmia associated with significant morbidity, mortality and burden on public healthcare. The most severe complication of AF is embolic stroke. Detection of AF is crucial for the clinical decision to initiate anticoagulation therapy to prevent stroke. Awario products are an effective way to detect atrial fibrillation.

## BENEFITS & REFERENCES

Awario products are service designed to reduce the workload of health care providers. AI picks up the arrhythmia cases, so the doctors can focus only on them. ECG enables diagnosis and early treatment to prevent stroke. The products are used in several Finnish healthcare organizations as well as in Australia.

## COMPANY

Heart2Save has strong roots in science; it was established in 2015 by Finnish doctors and medical physics. The company has an IOS 13485 quality system and all the products are medical devices and sold under the Awario Brand.

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# VideoVisit

## OUR SOLUTION

Virtual Home Care is especially designed for elderly and vulnerable people at home who need help with daily treatment and oversight that can be carried out digitally. We offer a high-quality, secure and reliable video connection between the care receiver, caregiver and the family members.

## BENEFITS & REFERENCES

In addition to virtual home care's ability to improve wellbeing of aging people, it offers faster access and clear cost savings by enabling more care visits by caregivers to the elderly. Over the years, VideoVisit has become a foundational element of digitizing Finnish home care services. As a result, today 200+ municipalities and 6,000 home care clients rely on VideoVisit.

## COMPANY

VideoVisit® is the market leader in Finland offering SaaS-based cloud services for virtual home care visits. We provide a complete digital healthcare platform to outpatient care, which enables healthcare service providers to offer various sorts of remote rehabilitation, care services and online doctor consultations.

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# VOOLER

## OUR SOLUTION

Vooler is a wellbeing service platform for service providers of rehabilitation, day activity, home care and assisted housing for seniors. It is used to do preventive rehabilitation, which will reduce the need for care services by allowing seniors to live at home by themselves. When a senior is using home care services, Vooler is used to deliver remote care visits as well as access to rehabilitation and culture services.

## BENEFITS & REFERENCES

Optimize your care givers resources and save on costs by using preventative rehabilitation and remote visits when seniors are already using your home care services.

## COMPANY

Vooler is a software company specialized in delivering preventative rehabilitation and remote care services to senior people and other special groups.

## CONTACT

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# OULUMO OY

## OUR SOLUTION

The Lumo videocarephone solution connects the elderly, their family and care professionals with simple "touch the face" technology. Lumo provides the easiest video solution on the market – even an elderly person incapable of using any other communication devices can be reached. For organizations, the solution offers a field-proven fast way for roll-out. Lumo's decentralized way of working and simplicity engages the workforce effectively.

## BENEFITS & REFERENCES

Lumo's design is proven to lower the resistance the elderly have to technology. Lumo requires zero field configuration. The solution is fully remote managed. Lumo uses a mobile network to minimize network setups and thus also the potential points of failure. Additionally, Lumo can be used to share its mobile connection for Bluetooth/Wifi connected sensors and devices.

## COMPANY

Oulumo Oy was founded in 2016 as a result of the Finnish Research Center's (VTT) and Business Finland's Research commercialization project. The Oulumo team brings together extensive product and service development and caretaking business experience to create simple, truly usable solutions for us all when we age and the standard means of communication and using services do not work anymore.

## CONTACT

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# KINDFULL.IO

## OUR SOLUTION

Kindfull offers a B2B2C solution that enhances at-home elderly patient well-being. Our app provides an easy way for friends and family to form a care community around an aging patient, offer help, and get peer support. The homecare provider deploying Kindfull gains insight into at-home patient needs to optimize their services, thus improving care outcomes while enhancing their brand.

## BENEFITS & REFERENCES

Kindfull activates the therapeutic benefits of community support. Informal caregivers can ask for help, offer assistance, and get important peer support. Home healthcare providers improve their services and gain valuable information on real patient needs.

Kindfull has an ongoing paid pilot with the VNA Health Group in New Jersey, and will be launching commercially in the U.S. later this year.

## COMPANY

Kindfull is a digital health app developer focusing on improving the well-being of at-home elderly patients. The company was established in 2017, and is currently based in Espoo, Finland with a subsidiary in Charlotte, North, Carolina. Our purpose is to prevent exclusion by developing a comprehensive patient support solution together with patients, informal caregivers, and home healthcare providers.

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Be the subject,

not the object.



## LIVINGSKILLS LTD.

### OUR SOLUTION

LivingSkills Care is a CE-marked digital toolkit for interaction in care relationships.

The LivingSkills method promotes engagement: digital tools increase dialogue and involvement builds the inner motivation of the elderly. His/her difficulties are seen as a lack of skills. The care relationship focuses on identifying existing strengths, learning new coping skills, and achieving goals of the elderly and their families.

### BENEFITS & REFERENCES

Professionals tell us that the LS solution is truly end-to-end: when you empower both the elderly and the caregiver, you get impressive, measurable results. The elderly's active role in the care relationship is key to motivation and better outcomes. The LS tool makes mapping service needs and impact assessment systematic and improves service quality, workflow, reporting and work motivation.

### COMPANY

LivingSkills offers digital tools and online courses for social and health care professionals. The company was founded by a team of Finnish experts in 2016. We launched our first products, developed with end users, in 2019. Our customers include private and public service providers as well as NGOs in Finland and Kazakhstan. The LivingSkills Care toolkit is used in home care and rehabilitation.

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*You learn to walk by stumbling first.*





# EVONDOS GROUP

## OUR SOLUTION

The service is based on advanced technology and consists of an automatic medicine dispensing robot installed in private homes and service elements. The service enables people in need of medical treatment to get the right medicine at the right time and in the right dose automatically, which improves patient safety, and medical adherence - supporting independent life at home.

## BENEFITS

Evondos service improves the quality and effectiveness of home care. The robot directs the client to take medicines at the right time and in the right dose, which leads to adherence to pharmacotherapy – and medication safety increases.

Automation reduces the need for routine pharmacotherapy visits. Home visits can therefore focus on tasks where warm hands are needed. Care staff working hours are easier to plan and stress is reduced during peak hours.

## COMPANY

Evondos Group, founded in 2008, is the leading medication medicine-dispensing system provider in Europe. Over 30M of medication pouches have been correctly dispensed, with an adherence rate of 99 percent in the Nordics and the Netherlands with its Evondos and Medido services.

Evondos employs 300+ people in Finland, Sweden, Norway, Denmark and the Netherlands.

Evondos Group is headquartered in Helsinki and has its operations and production facilities in Salo, Finland.

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# POPIT

## OUR SOLUTION

Developed together with healthcare professionals, Popit's smart pill tracking solution is simple to use and a modern way of worrying less. A tiny sensor device, clipped onto the pill sheet, monitors pill-taking (and not taking) and updates the information to the Popit Smart Med Reminder app on a smartphone. Popit makes missed pills a thing of the past, providing elderly people and caregivers peace of mind.

## BENEFITS & REFERENCES

The Popit medication adherence tool is clinically validated to reduce missed medications by over 80%\*. Through collaboration with pharmacies, universities, and leading pharmaceutical companies such as Pfizer, Popit has been improving patients' ingestion of medication in close to 10 European and Asian markets.

\* DOI: 10.15761/COGRM.1000217

## COMPANY

We are dedicated to improving adherence by digitalizing medication, a major opportunity that benefits patients, patient support programs, healthcare payers, and the pharmaceutical industry. Having won several innovation awards internationally, and working with several global pharmaceutical giants, Popit is looking to further expand its international market presence both through B2B partnerships with pharma and healthcare institutions and the B2C distribution network. Founded and based in Espoo, Finland.

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Founder, COO

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# AXITARE LTD

## OUR SOLUTION

Axitare's product is a medication dispenser for elderly people living at home. The dispenser is connected to the cloud software system. The user interface of the dispenser is probably the most user-friendly interface in the world.

## BENEFITS & REFERENCES

The care organizations can improve their productivity and care quality. The end users, the elderly, get more independence in their everyday lives. Axitare has 17 public home care organizations as customers in Finland and some private end-customers who have joined the service with the assistance of their relatives.

## COMPANY

Axitare Ltd. is a five-year-old company which is growing fast and profitably. Axitare's headquarters is located in Helsinki. The company's shareholders are private people and three investing companies. The founding team holds 80% of the shares.

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# MENUMAT OY

## OUR SOLUTION

In order to be able to choose the tastiest meal of the day, we bring the Menumat device to the customer's home as part of the service. The device consists of a small refrigerator-sized freezer and a small convection oven placed on top of it. The device is safe, easy to use, and is guided by the use of speech. In addition, the device informs you with speech which meal is in question or what the device is currently doing.

## BENEFITS & REFERENCES

Your food is as safe as possible – meals are brought to the freezer in an uninterrupted cold chain, they remain in the freezer at the right freezing temperature and get heated sufficiently in the oven. We offer our full support to customers and are available every day of the year.

We have several cities, communes and corporations as customers. The city of Helsinki has been our permanent and prolonged customer for several years.

## COMPANY

Menumat Oy is a Finnish liability company with a turnover of 4 million €.

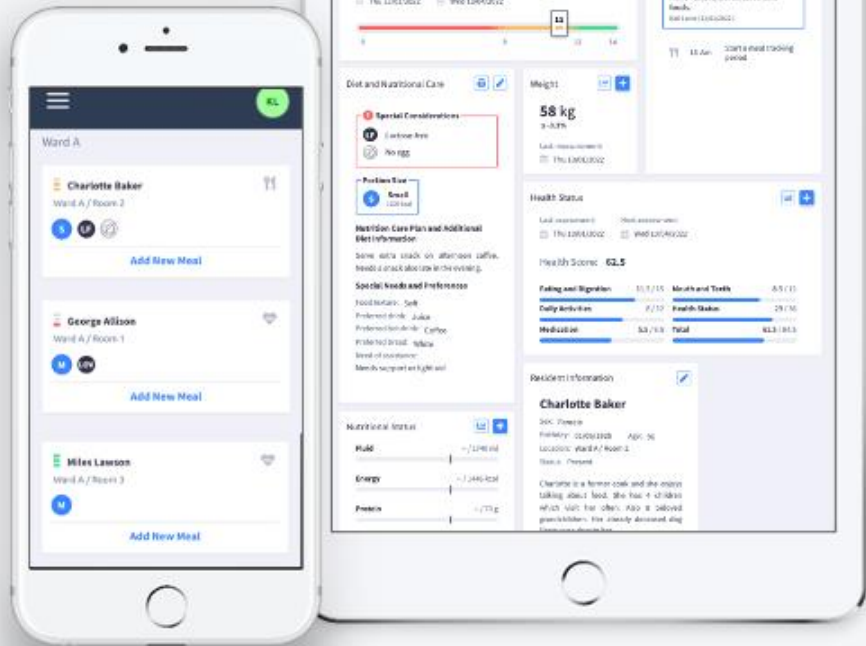
Our founders saw the need and desire of seniors to live at home safely, healthily, and effortlessly for as long as possible. For this need, the Menumat catering service was developed. During our operation, we have delivered more than 6 million meals to our customers deliciously and reliably.

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# RAVISTAMO LTD / MUONAHEALTH

## OUR SOLUTION

MUONAhealth is a web application designed to improve the care of the elderly and assist care professionals in their valuable work. It aids in conducting comprehensive nutritional care in everyday care work, to follow the effectiveness of work and to communicate with stakeholders, such as authorities and next of kin. Open APIs enable easy integrations, e.g., with health records and food service ERPs.

## BENEFITS & REFERENCES

Made by professionals for professionals, MUONAhealth strives to remove elderly malnutrition, optimize care processes and provide modern tools for everyday nutrition care. It enables leading with knowledge and finding individually effective practices. The nutritional care data is archived anonymously and it can be used for various needs in drug development and research, for instance. MUONAhealth was launched 1/2022.

## COMPANY

Ravistamo Ltd. provides digital nutrition care solutions and nutrition expert services, mainly B2B. Established in 2016, Ravistamo holds a strong position in the nutrition service field in Finland. The company has extensive experience in geriatric nutrition and clinical nutrition. The company's mission is to spread the Joy of Eating.

## CONTACT

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[www.ravistamo.fi](http://www.ravistamo.fi)





# RAISOFT LTD. IMPROVING THE QUALITY OF LIFE WITH REAL-TIME DATA

## OUR SOLUTION

We create software for measuring an individual's functional performance, as well as quality and effectiveness of care.

Our software is used in multiple care settings, for example, home and long-term care for the elderly, mental health care for all ages, assistance for the physically impaired, and preventive care.

It provides real-time information for decision-making at all levels of care.

## BENEFITS & REFERENCES

Browser based. Available online – regardless of your location, SaaS solution, Add-On modules for data management, Full Integration with EHRs, support of multiple APIs, Data Security and Certification and our Customer Support makes Raisoft the best option.

We currently provide services for governments as well as private institutions, and we are involved in pilot programs worldwide.

Providing the right information at the right time saves both time and money.

## COMPANY

Raisoft, a Global Provider of InterRAI solutions, with more than 20 years of experience in data-driven solutions implemented in more than 10 countries is focused on "collect once, use many times." Providing better assessments that produce effective care plans results in better care. We provide value from a single platform with care planning and quality modules for clinicians, managers, and administrators.

Superior market leader in Finland and Switzerland.

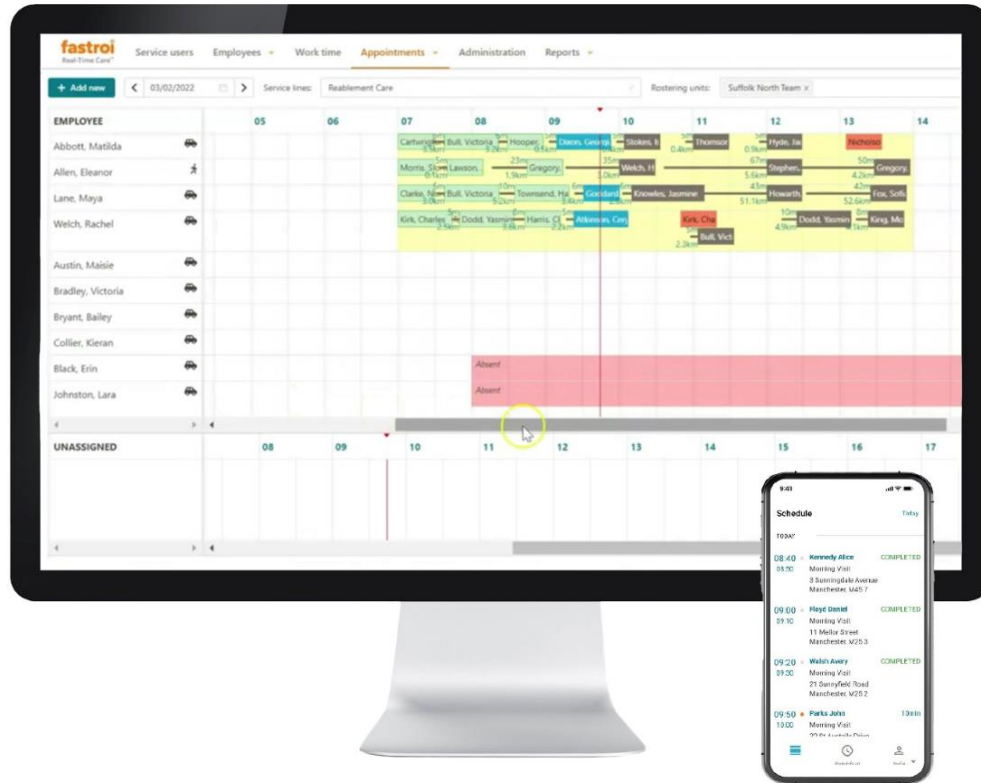
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# FASTROI – CARE MANAGEMENT SOFTWARE PROVIDER

## OUR SOLUTION

Real-Time Care™ is an integrated Care Management System that helps improve efficiency. At Fastroi, we believe that Health and Social Care companies deserve the latest digital tools to help them deliver a higher quality of care with greater accountability. Our fully integrated system allows management a better overview of the operations of their business, while allowing their employees to be more focused on care work.

## BENEFITS & REFERENCES

Real-Time Care™ is simplifying the management of care. RTC™ has been specifically designed in conjunction with our clients in residential care, domiciliary care and reablement care services. The power of RTC™ comes from digital processes that support care work. This allows for a wide range of tasks to be performed more efficiently and by using less resources.

## COMPANY

Fastroi Ltd is an innovative Care Management Software provider. Fastroi has over 18 years' experience of developing health and social Care Management Software in its native Finland and our systems have over 40 000 end-users. We now aim to make everyday life in the social care sector easier in the other markets with our new software, Real-Time Care.

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# ARTIFICIAL INTELLIGENCE FOR FIRST CLASS CARE

LET OUR CARE AI TECH HELP YOU  
TO ACHIEVE YOUR GOALS

[WWW.GILLIE.AI](http://WWW.GILLIE.AI)

## GILLIE.AI

### OUR SOLUTION

Gillie.AI is an Artificial Intelligence service predicting changes in end-customers health and wellbeing. The solution is targeted for home care, nursing home & remotely monitored customers. It reads various forms of data & sends alerts of potential deviations. Gillie.AI is an SaaS that is connected to the data sources used by the organization.

### BENEFITS & REFERENCES

Predict deviations that help to recognize the end-customers who need help at any given time. Home care customers can live at home longer. Lower costs by allocating care resources to those in need of support. Facilitates monitoring of long-term changes in well-being and health. Reduces ambulance rallies, unnecessary on-call visits, and hospital days. Gillie.AI analyzes over 51K end-customers' data every day.

### COMPANY

Gillie.AI is an artificial intelligence company that enables preventive care. The business started in 2016 as an IoT platform to centralize data. Today, we have proven AI technology that is widely used in Finland. Gillie.AI has customers in the UK, Ireland & Singapore and the customers vary from the public to the private sector. The solutions is scalable and easy to use!

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# MEDIXINE LTD.

## OUR SOLUTION

The Medixine Suite is a digital platform software for remote monitoring and secure communications between healthcare provider, patient, and their family members. It extends patient monitoring possibilities outside of the hospital and allows the healthcare unit to focus on the patients who need local care the most.

## BENEFITS & REFERENCES

Medixine's platform allows aging individuals to participate actively in their care from the comfort of their homes. It helps the care provider to prioritize and organize their work more efficiently.

Medixine's technology is in use at Region Syddanmark, Region Nordjylland, NHS, Linde, and Helsinki University Hospital.

## COMPANY

We have over 20 years of experience in the digital healthcare sector. This gives us a deep understanding of our customers' needs. Currently, we help social and healthcare workers and organizations in 6 European countries. With our help, our partners and customers enhance the quality of care and achieve cost savings.

## CONTACT

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CEO

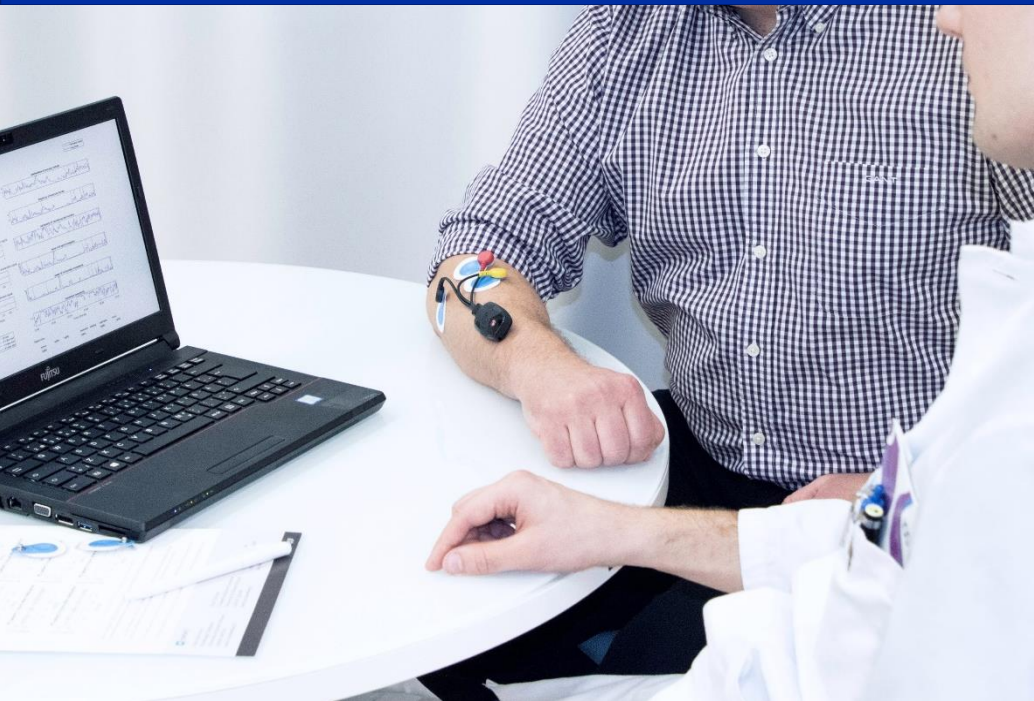
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# medixine

## Better days for people with Parkinson's disease



# ADAMANT HEALTH

## OUR SOLUTION

Adamant Health's measurement and analysis service for Parkinson's disease consists of: Wearable measurement of patient's neuromuscular function and movement at home. Analysis of measurement data with clinically validated algorithms. Reporting of patient's motor symptoms and neuromuscular findings.

Both the wearable sensor (3rd party) and our analysis software are CE-marked as a medical device.

## BENEFITS & REFERENCES

Many patients with Parkinson's disease suffer from symptom variation during the day and they have difficulties in describing their symptoms to the treating physician during a short clinic visit.

By providing objective and quantitative data on a patient's motor symptoms during the day, we can support physicians in the treatment planning and the pharmaceutical companies in the evaluation of treatment response.

## COMPANY

Adamant Health's technology is based on 15 years of research in the University of Eastern Finland in collaboration with clinical partners.

Our aim is to enable better days for the increasing number of people with Parkinson's disease by providing fact-based data to the treatment.

Our technology has potential in other movement disorders as well. We are also open to research collaboration.

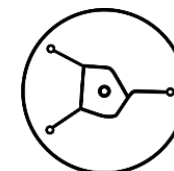
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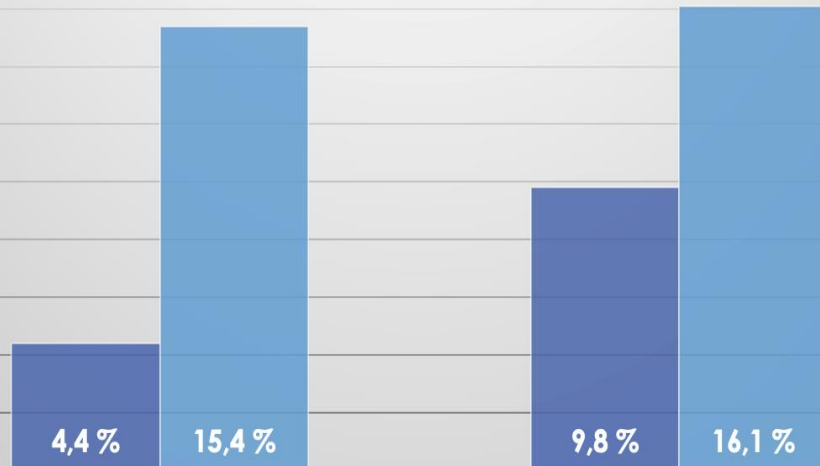


**ADAMANT  
HEALTH**



## Patients aged 65≤ with 3≤ medicines

- With pharmacogenetic test
- Without pharmacogenetic test



Emergency department visits

Hospitalizations

Brixner, D., et al. "The effect of pharmacogenetic profiling with a clinical decision support tool on healthcare resource utilization and estimated costs in the elderly exposed to polypharmacy." *Journal of medical economics* 19.3 (2016): 213-228.

# ABOMICS

## OUR SOLUTION

The need for hospital care of patients aged 65 or older with three or more medications is dramatically reduced with pharmacogenetic testing [1, 2].

Abomics PGx is a digital interpretation service that provides doctors with a patient-specific report that shows whether a specific medicine is suitable for the patient or not and how the dosage should be adjusted.

## BENEFITS & REFERENCES

Scientific evidence shows that pharmacogenetics yield better clinical outcomes for the patient and better cost efficiency for the payer, particularly in the treatment of geriatric polypharmacy and depression. Evidence is also strong in the treatment of coronary heart disease and stroke.

[1] Brixner 2016 DOI:  
[10.3111/13696998.2015.1110160](https://doi.org/10.3111/13696998.2015.1110160)

[2] Elliott 2017 DOI:  
[10.1371/journal.pone.0170905](https://doi.org/10.1371/journal.pone.0170905)

## COMPANY

We at Abomics make pharmacogenetics an easy tool for doctors in their daily clinical work. In addition to digital pharmacogenetic interpretation services, we also offer pharmacogenetic clinical decision support database services and point-of-care test kits.

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ABOMICS

Supporting medication decisions



# 3. SOLUTIONS FOR ASSISTED LIVING ENVIRONMENT

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BUSINESS  
FINLAND

IN THIS CATEGORY, WE HAVE COMPANIES OFFERING SOLUTIONS FOR MONITORING, REHABILITATION, ACTIVATION AND COMMUNICATION.





# 9SOLUTIONS

## OUR SOLUTION

9Solutions provides a real-time location system (RTLS) platform that offers nurse call, personal safety, and asset tracking solutions and many other RTLS applications in one seamlessly integrated, easy-to-use system. The safety and communications system with accurate and real-time location data enables immediate delivery of help on the spot and optimizes staff workflows, space and asset utilization as well as patient logistics in hospitals and elderly care facilities.

## BENEFIT FOR THE CUSTOMER

The 9Solutions system is used in over 1 400 health care organizations in hospitals, care homes and home care.

The wireless and cloud-based system reduces construction and maintenance costs. The automated tracking of tasks, people and equipment saves time and money and has a wide impact across the organization, from nursing staff to maintenance and cleaning service, improving staff and patient safety and enabling workflow optimization.

## COMPANY

We are the leading Nordic provider of real-time location-based safety, communications and smart care solutions. Our mission is to create environments for safe and quality care by providing solutions that enable effective communication, make relevant information easily accessible and free up working hours for meaningful tasks.

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# MARICARE OY

## OUR SOLUTION

Our two solutions, the Elsi® Smart Floor and Elmo™ Smart Detection radar, prevent falls unobtrusively – no cameras needed. Both Elsi and Elmo detect residents' behaviour in real-time and both systems send alarms to the staff for proactive care and prevention of accidents: right care, right time, right place. Our solutions also provide diverse information on residents' activity levels via user interface.

## BENEFIT FOR THE CUSTOMER

The unbeatable benefit is preventing falls, leading to higher safety and quality of life for residents and huge cost-savings in healthcare. Diverse, long-term activity-level information also reveals possible problems in residents' wellbeing that would otherwise be left unidentified. Our references include care homes with the Elsi® Smart Floor worldwide and the successful Elmo™ Smart Detection pilot project in Finland.

## COMPANY

MariCare is the forerunner and leading provider of sensor & care solutions. We also provide a number of other security products for elderly care facilities to improve service and the quality of life. For over 15 years, MariCare has created remarkable innovations, enabling thousands of elderly people to live in a safe, homelike environment with unobtrusive safety innovations continuously at hand.

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# MariCare™

Member of MariElectronics Group



# VIVAGO LTD

## OUR SOLUTION

Vivago develops smart safety and wellbeing solutions to follow-up and analyze users' health and wellbeing in real-time. Solutions increase the feeling of safety with automatic alarms and by providing a wide range of wellbeing information to support daily care and to follow up on the effectiveness of care.

Real-time notifications inform those with designated access to the account about changes in the person's wellbeing, enabling care providers to react proactively and focus on individual care.

## BENEFIT FOR THE CUSTOMER

Real-time analysis of customers' health and wellbeing enables preventive measures, safety alarms and more customer-centric care. With the help of the Vivago solution, people can get better care and live longer and safer at home.

Innovative solutions cover the whole chain of care from home care to assisted living, hospitals, and rehabilitation. Solutions enable better care with significant cost-savings.

## COMPANY

Vivago is a Finnish health technology company that offers smart safety and wellbeing solutions for preventive care. Vivago already ensures safety for tens of thousands of individuals in Europe. Unique solutions are patented and have been awarded several international recognitions. The high-quality products are manufactured in Finland. The Vivago solution has medical device approval.

The right care, at the right time, in the right place.

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**Vivago®**





# HUR

## OUR SOLUTION

HUR is specialized in computerized exercise solutions – with pneumatic, safe and efficient strength training equipment and operating software, for evidence-based exercise and rehabilitation.

HUR is the world's leading provider of smart training equipment for active ageing, rehabilitation and inclusive wellness.

## BENEFIT FOR THE CUSTOMER

Our pneumatic resistance-based products were originally developed from research at the University of Technology, Helsinki in 1989, has over 13,000 installations worldwide. The company has maintained close ties with the research community ever since. In order to offer the best solutions for preventive, rehabilitative and maintenance exercise, we incorporate the latest research findings into both our products and software.

## COMPANY

HUR is a manufacturer of exercise, rehabilitation and wellness equipment together with related software and consultative services. We aim to contribute to solving the challenges of an aging society by improving the quality of life of our users and lowering the costs for society as a whole.

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# KARDEMUMMO OY

## OUR SOLUTION

HILDA is a user-friendly digital streaming service for senior citizen residential care activities; a modern and stimulating service that assists nurses as a daily tool in organizing activities.

Dubbed 'the Netflix of the care sector', the interactive contents of this service can be utilized on an everyday basis to activate and maintain the functional ability of the elderly.

Real-time user data provided by the service offers administrators valuable information for planning and developing activities.

## BENEFIT FOR THE CUSTOMER

HILDA facilitates the work of nurses and improves the functional ability of the elderly on a broad spectrum.

The service reduces the time spent on planning activities and provides more joy and recreation at residential care for the elderly.

The HILDA service is in use at more than 130 nursing homes in Finland, in both the private and public sector.

## COMPANY

Kardemummo Oy, established in 2016, is a company that combines proficiency in elderly care with technological know-how. The multi-disciplinary team has expertise in the field of elderly care, software development and content creation.

Kardemummo's technological solutions modernize care for the elderly and support the entire care community.

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**KARDEMUMMO™**



# REHABOO! EXERCISE GAMES

## OUR SOLUTION

Rehaboo! is an exercise games studio, creating games where the player's body is the game controller, fighting inactivity with **Exercise Games** with **real-time motion sensing** for any device, based on **cloud based AI** and professional physical therapy.

Focus on elderly **activation** at **care homes** and **living home alone**, and also for professional **rehabilitation** for **hospital patients**, especially for remote exercising.

## BENEFIT FOR THE CUSTOMER

Rehaboo! was born to solve the problem of people moving too little, especially the ones requiring physical therapy for rehabilitation. Rehaboo! is a Digital Health solution focusing on healthcare and activation with customers in Finland, Denmark and Singapore, and are looking to scale internationally within the elderly segment.

## COMPANY

Rehaboo! is an exercise games studio, creating games where the player's body is the game controller. Originally formed by the team at Ultrahack as part of the Slush Hackathon in 2016, the studio focuses especially on the rehabilitation needs of children's hospitals. Currently, its main focus is the physical and cognitive activation of the elderly.

## CONTACT

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# YETITABLET CARE

## OUR SOLUTION

Yetitablet Care is a combination of a giant Android tablet that is the size of a flat-screen TV, an inclusive user interface and apps designed for individuals of all ages with special needs. It brings the whole world within reach of customers in care environments and engages both users and caregivers through diverse app selection at an impressive size.

## BENEFIT FOR THE CUSTOMER

Yetitablet Care motivates the users toward cognitive and physical activities fostering meaningful inclusive everyday life. It enhances social participation bringing joy to people gathered around it.

The caregivers can easily organize multiple group activities or find individual joy to cater individual needs.

Our clients include the cities of Helsinki and Stockholm, and the largest private care provider in the Nordics, Attendo.

## COMPANY

Kuori Oy was founded in 2015 by Maria and Jarkko Jokelainen, parents of three children with ASD. They struggled for years to help their children to better connect with the world. When their children played with the Yetitablet, parents quickly noticed that they started working together and communicating better around the device. This insight was the beginning of Yetitablet Care.

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# MEDEKA OY

## OUR SOLUTION

Medeka's product is a virtual motivation and activation solution for indoor exercise and rehabilitation for elderly people.

The user can virtually walk, run or cycle the routes filmed by professionals in a real environment and landscape (city or nature) – and achieve a genuine and authentic training experience. The virtual routes are displayed in front of the person who is exercising and all training devices can be used.

## BENEFIT FOR THE CUSTOMER

Meaningful rehabilitation, exercise and health effects belong to everyone!

We have thousands of happy users in senior centers and gyms, nursing homes, home care units and day care for the elderly, as well as numerous rehabilitation centers. A virtual workout moment is a great experience you don't want to quit.

## COMPANY

Medeka is a health technology company founded in 2011. We specialize in combining exercise and rehabilitation, especially digitally. Our team is experienced and familiar with the special needs of the social and welfare sector.

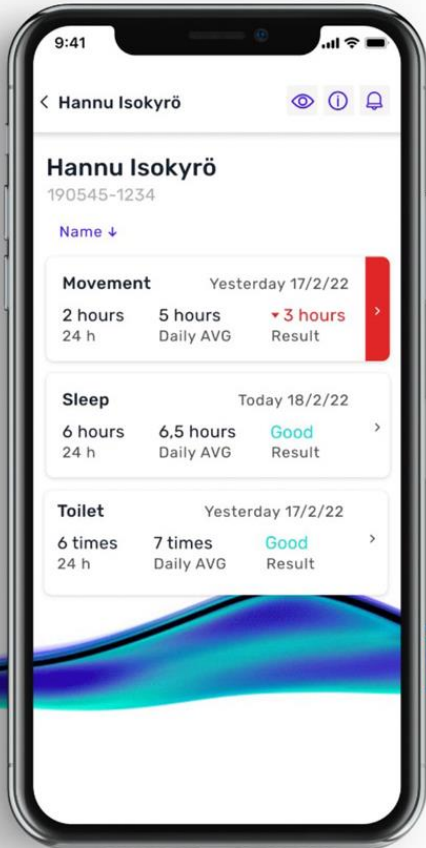
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15+ metrics tracked



Scalability



Automated data collection



Custom Settings



Results & insights



Improved productivity



Change based alerts



Faster care assessment



Result history



Secure data storage



Benete Ltd.

# IMPROVING CARE EFFICIENCY WITH FUNCTIONALITY DATA

## OUR SOLUTION

Every day, BeneCare monitors and analyzes seniors' functionality and wellbeing, making care services more efficient and meaningful. Using non-intrusive technologies and clinically tested devices, we continuously assess a person's functional capabilities at different stages of their life. We assist nursing homes and home care providers in delivering preventive, personalized care.

BeneCare gives a holistic view of clients, including health vitals, activity, movement, presence, moving aids, sleep quality and rest, hygiene, food preparation, and even media usage. The nursing staff is notified of any event that may affect the client's wellbeing, such as a fall, staying too long at one location or position, or any other unusual activities.

## BENEFIT FOR THE CUSTOMER

- Digitize care processes to improve care efficiency.
- Learn about your clients' daily routines and unspoken needs to develop care services.
- Relieve caregiver workload and create a work environment that attracts and retains top talent.
- BeneCare assists a 200+ resident nursing home to provide more personalized care.

- BeneCare enabled a major health district in reducing heart failure, hospital stays and costs by nearly 50%.

## COMPANY

Unlike current health and wellbeing services, we analyze people's ways of living holistically, going beyond the basic measurement of physiological data. We believe in individual independence, digital dignity, and a valuable life. We want people to enjoy a prosperous life by supporting them and their care team with the most valuable life data available. We are a professional team dedicated to providing the most accurate life-related data to maximize the efficiency of care.

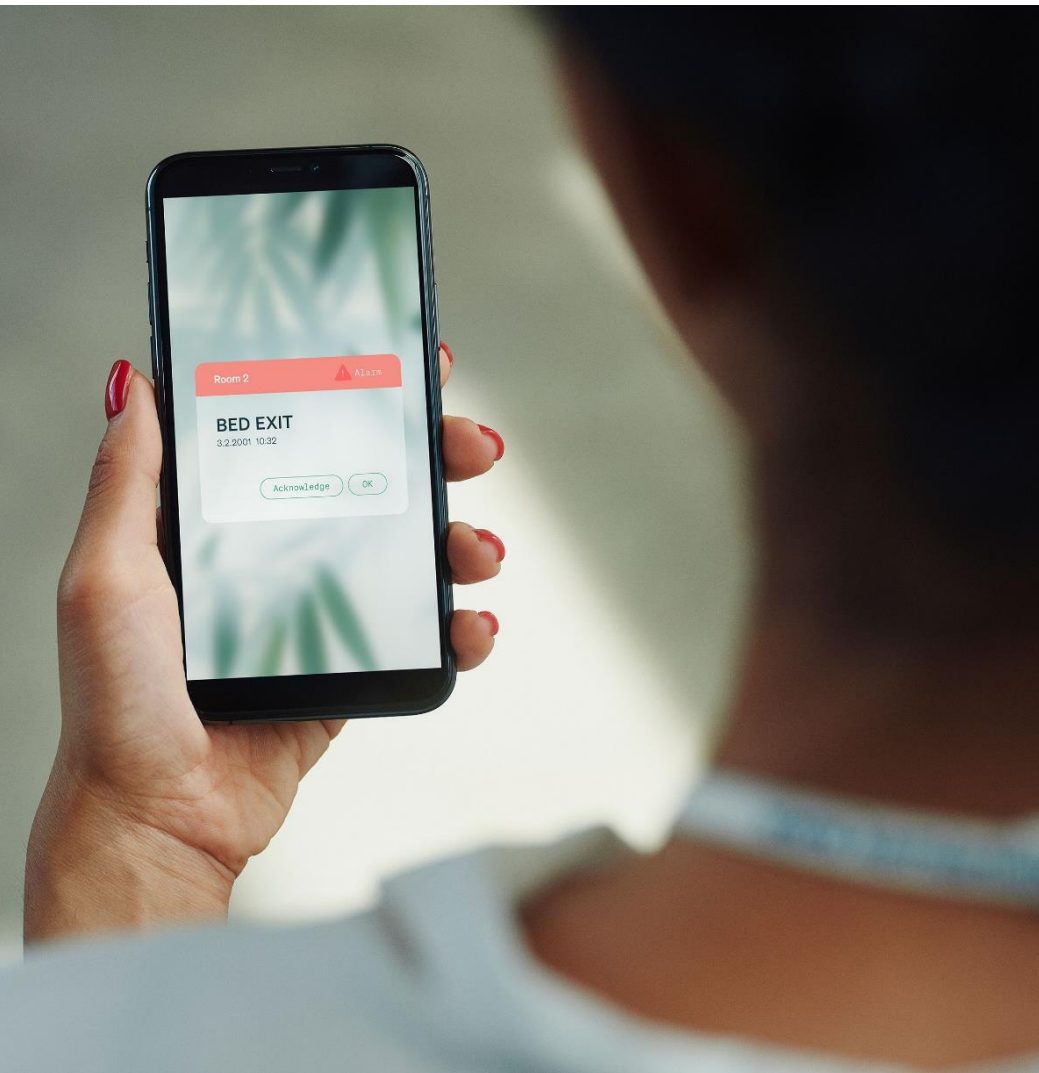
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# VERSO VISION

## OUR SOLUTION

AI-based solution for fall prevention and detection for hospitals and care homes.

## BENEFIT FOR THE CUSTOMER

Espoo Hospital: Fall prevention for patients – our system reduces the incidence of falls by 50%.

## COMPANY

Bringing technology and people together for safer care.

## CONTACT

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Automatic and autonomous measuring. Device has its own processor and memory.

Under-mattress placement ensures longevity without need to regularly replace. There is nothing to turn on or off or attach to body.

## EMFIT OY

### OUR SOLUTION

The real-time information provided by EMFIT QS+Care™ helps to reduce nurses' stress and workload and residents' falls.

Installed under the mattress, EMFIT QS+Care™ is a real-time bed occupancy and exit monitor operating over the Internet from the cloud. It provides a real-time user interface for any computing device with a browser. Bed exit and not return to bed notifications are provided with Android application.

### BENEFIT FOR THE CUSTOMER

Emfit QS+Care™ device is completely non-wearable and has automatic and autonomous measuring.

Controlling bed exits can help prevent falls and wandering and smart night rounds are more efficient and can decrease nurses' stress.

Measuring sleep and resting times and comparing them between residents can help to identify those who may need attention before others.

### COMPANY

Emfit Ltd is the world pioneer in the renaissance of ballistocardiography and the leading manufacturer of sleep sensing devices of this technology. Emfit was founded in 1990 and there have been over 100 research publications on our electro-active film and sensor technology. We collaborate with world-famous universities and research organizations, focusing on ballistocardiography and other types of sensing of vibrations and forces, including acoustics and ultrasound.

### CONTACT

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**Healthtech  
Finland**

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