

HOW TO DO BUSINESS IN THE LAND OF SUCCESS STORIES.







THE REASONS TO EXPAND TO FINLAND

#1

BEST BUSINESS ENVIRONMENT IN THE WORLD

GLOBAL INNOVATION INDEX 2019

#1

HIGHEST DIGITAL COMPETITIVENESS

DIGITAL ECONOMY AND SOCIETY

#1

MOST STABLE COUNTRY IN THE WORLD

FOR THE 14TH YEAR IN A ROW

FUND FOR PEACE, FRAGILE STATES INDEX 2019

IN PROVIDING FUTURE-SKILLS EDUCATION FOR YOUTH

THE ECONOMIST INTELLIGENCE UNIT & YIDAN PRIZE, WORLDWIDE EDUCATING FOR THE FUTURE INDEX 2018

#1

COUNTRY TO CONTRIBUTE MOST TO THE GREATER GOOD OF HUMANITY IN THE WORLD RELATIVE TO ITS SIZE

GOOD COUNTRY INDEX 2019

#1

HAPPIEST COUNTRY
IN THE WORLD
FOR THIRD TIME
IN A ROW

UNITED NATIONS SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK

#1

INVEST IN FINLAND

LEADER IN
NUMBER OF FDI
PROJECTS IN THE
NORDIC COUNTRIES

EY'S NORDIC ATTRACTIVENESS SURVEY 2019

SECOND MOST SKILLED

WORKFORCE

IN THE WORLD

WORLD ECONOMIC FORUM, GLOBAL COMPETITIVENESS REPORT 2019

#1

IN AVAILABILITY
OF LATEST
TECHNOLOGIES

WEF GLOBAL COMPETITIVENESS REPORT 2017–2018

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THIRD MOST INNOVATIVE COUNTRY IN THE WORLD

BLOOMBERG INNOVATION INDEX 2019

INNOVATION CHAMPION

BEST

COUNTRY FOR

EXPATRIATES

FAMILY LIFE INDEX 2019

CONSUMER TECHNOLOGY ASSOCIATION 2019

ACHIEVE YOUR GOALS WITH FINLAND'S STRENGTHS

WORLD-CLASS TECHNOLOGY, A TALENTED WORKFORCE AND EXCELLENT R&D OPPORTUNITIES – THESE ARE JUST A FEW OF THE REASONS TO ESTABLISH OPERATIONS IN FINLAND.

Finland is a technology superpower that is consistently ranked among the the world's most innovative countries. Our industry ecosystems are open to international collaboration and provide cutting-edge research and testing environments. Our vibrant startup scene, led by Slush, the world's leading startup event, is a constant source of possibilities for innovation and ideas. Finnish biobanks – storing more than a century of genetic history – are modern goldmines for drug discovery and health-related research.

Finnish raw materials and processing industries also allow for innovative collaboration. Our vast forests are the source of new products, such as biofuels and textile fibers made from wood. In the future, everything that is oil-based today can be made from wood.

DOING BUSINESS IN FINLAND IS SMOOTH, THANKS TO ITS STABLE BUSINESS ENVIRONMENT, FUNCTIONAL SOCIETY AND LACK OF CORRUPTION.

Finns have a special relationship with nature, which is why we are constantly creating sustainable solutions to fight climate change. Its booming travel sector offers unique experiences in clean nature and attractive investment opportunities.

Finland's strategic location between Scandinavia, Russia and the Baltics makes it an ideal base for regional operations, providing easy access to 500 million consumers in Northern Europe. Finnish consumers have strong purchasing power and are tech-savvy and internationally oriented.

Our country allows for smooth business, thanks to its stable business environment, functional society and lack of corruption. Finland is the only Nordic country that uses the euro. Our corporate tax rate and labour costs are very competitive.

As a result, Finland has attracted international companies across a wide range of industries, for example Google, GE Healthcare, Schaeffler and Muji.





FINNISH TECHNOLOGIES AND

TO DO SO IN THE FUTURE.

DIGITAL KNOW-HOW HAVE CHANGED THE WORLD AND WILL CONTINUE

POWERING MOBILITY-AS-A-SERVICE

As one of the world's MaaS (Mobility-as-a-Service) pioneers, Finland offers excellent opportunities to join and build innovation ecosystems, utilize test platforms and set up R&D operations. The first worldwide MaaS operator, MaaS Global, was established in Finland. In Helsinki, its Whim service has been operational for several years already.

Japanese automotive system and component manufacturer Denso has established research operations in Finland. Denso's innovation center in Finland focuses on smart mobility and MaaS services, benefitting from Finnish expertise and partnerships. Finland is also an ideal location for transport service providers who want to expand their business scope.

winter testing facilities and services.

LEADING 5G TESTBED **ENVIRONMENT**

Finland offers the best available testing environment for 5G network technology and beyond, at a time when the first commercial versions of 5G are entering the market. The 5G standard and implementations will evolve for several years, creating a need for continuous testing as new features are introduced. In addition to operator networks, there are six separate 5G test networks in Finland. each designed for different use cases.

5G Test Network Finland (5GTNF) is an open and evolving innovation ecosystem supporting 5G technology research and validation, product development and experiments by pioneering companies. Coordinated by VTT Technical Research Centre of Finland, 5GTNF is a joint effort by industry, academia and the Finnish government, and welcomes collaboration with international partners.

The 6G flagship research program led by University of Oulu is also open to international companies that are interested in the possibilities of next-generation wireless technologies.

The Challenge Finland 5G-SAFE project, coordinated by VTT, conducts research and development on new 5G-enabled road safety services.

DEVELOPING INDUSTRIAL IOT SOLUTIONS FOR THE WORLD

Finland has numerous Industrial IoT (Internet of Things) companies that deliver solutions to global corporations. In addition to manufacturing solutions, Finnish IoT companies have developed intelligent technologies for producing and managing energy more efficiently, and for monitoring, automating and optimizing energy streams in production, smart buildings and health and wellness – all the way to the end-user.

Companies like Sulzer, Maersk and Schaeffler rely on Finnish IoT technologies. In fact, there are several fast-growing IoT companies in Finland with international customers at all layers of the IoT stack, all the way to AI/ML applications. In many customer cases, the Finnish companies operate together as a business ecosystem, creating optimal solutions for the benefit of the customer.

One example of such a large ecosystem is the IoT Alliance.

COMMITTED TO THE AI REVOLUTION

Finland is committed to implement the benefits of AI (Artificial Intelligence) across the economy and society as a whole. Innovative Finnish AI companies have proven expertise in using and applying the power of AI for international customers across industries.

Finnish Center for Artificial Intelligence (FCAI) is a nationwide competence center initiated by Aalto University, University of Helsinki, and VTT Technical Research Centre of Finland. The FCAI ecosystem brings together researchers, companies, students and the public sector, and is also interested in cooperation with international actors.

Finland's national AuroraAI programme aims to implement an operating model based on people's needs, where artificial intelligence helps citizens and companies utilize services in a timely and ethically sustainable manner.



At Denso, we are very happy about our collaboration with Business Finland. Through their extensive network, they have been able to provide great value to us, as we move forward with the planned expansion of our development ecosystem.

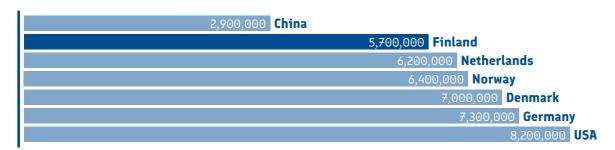
We are now exploring beyond the vehicle "shell" to create new value and solutions for the new mobility society and users of the future. We are very excited about the opportunities provided by Finland's tech community and development initiatives in mobility ecosystems."

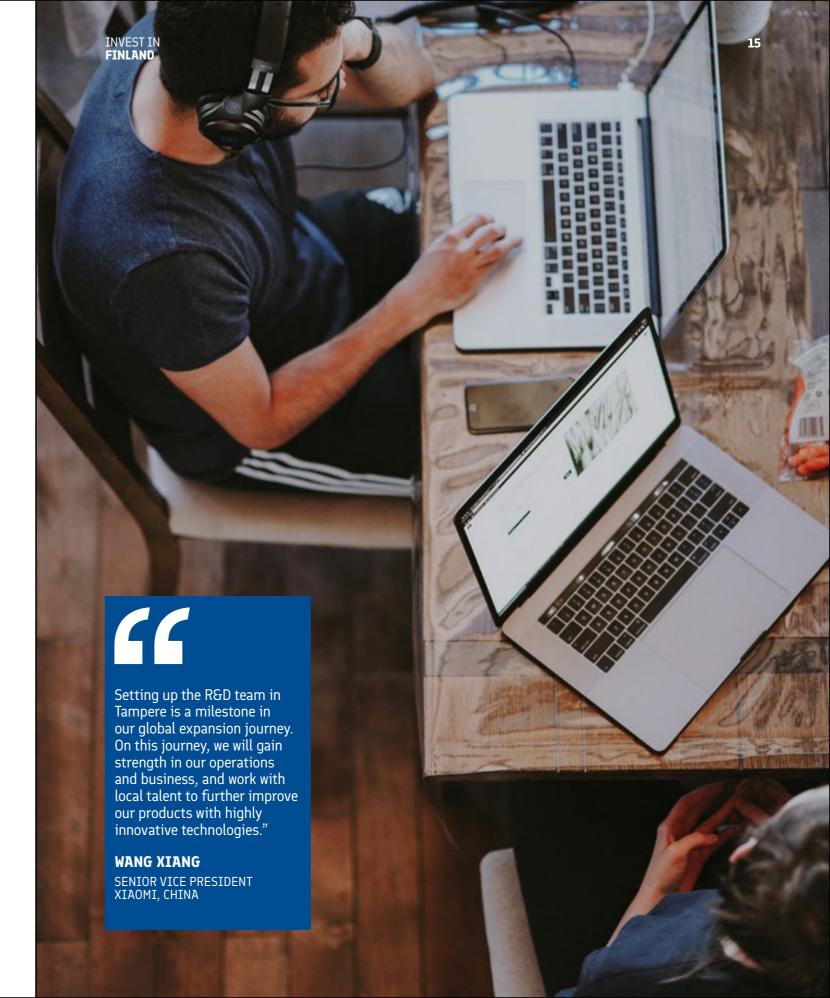
KAZU MATSUGATANI

EXECUTIVE DIRECTOR DENSO CORPORATION, JAPAN

TALENT AT REASONABLE COST

Labor costs (salary + additional costs) of a 100-employee software development center





In addition to its cool climate, solid bedrock and uniquely stable society, Finland offers the most cost-efficient and lowest latency location for digital platforms between Europe, USA and Asia. The forthcoming Arctic Cable, connecting Europe with northern Asia, will further solidify Finland as the ideal location for data center and cloud service companies, hyperscalers and colocation service providers.

Finland is also committed to battling climate change. Reusing excess heat from data centers for district heating makes perfect environmental sense.

DIGITAL VISION FOR YOUR PRODUCTS AND SERVICES

From medical imaging to the new space economy program and image processing, Finnish companies have vast experience in developing digital eyes for diverse needs. Said technologies are used, for example, in the automotive and forest industries, in intelligent machines, LIDAR and hyperspectral cameras

This imaging expertise is the reason why Chinese company Xiaomi has opened an R&D hub in Tampere, Finland. The hub focuses on smartphone camera technologies such as camera algorithms, signal processing, machine learning, video and image processing.

TRANSFORMATION

Finnish Fintech companies create new solutions for the ongoing transformation of banking and financial services. Finland's strengths include cyber security, mobile e2e solutions, opensource software, user experience and artificial intelligence. The launch of the Second Payment Services Directive (PSD2) within banking services in Europe and open banking have boosted the number of innovative Finnish Fintech companies.

Foreign companies can harness Finland's Fintech ecosystem for esearch, development and innovation activities. Our companies also have customers that are early adopters of new Fintech solutions in their business.



Finland has a very egalitarian culture. There's an innate teamwork in Finland that aligns very well with modern software development practices. They're inherently agile. They have excellent English language skills, so integrating with other international tech companies is relatively easy. Finland's ICT community is incredibly flexible and works very well, either embedded or by itself, to solve problems in a way no other country in Europe can offer."

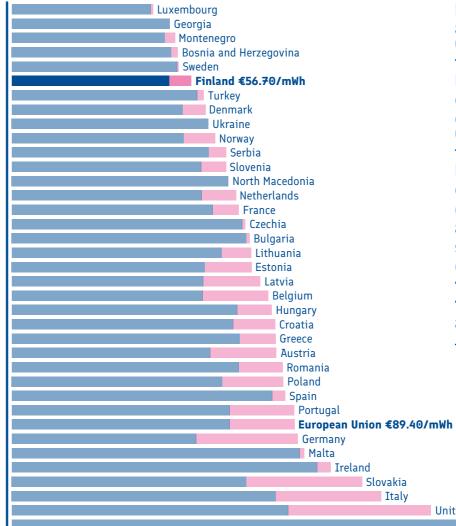
TIMOTHY JASIONOWSKI

VP, PRODUCT MANAGEMENT RÚBICON PROJECT, USA

ENABLING THE FINTECH

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ELECTRICITY PRICES FOR INDUSTRIAL CONSUMERS



DID YOU KNOW?

Finland ranks #1 in digital competitiveness in the EU.

(Digital Economy and Society Index 2019)

Finland ranks #1 in availability of latest technologies.

(WEF Global Competitiveness Report 2017-2018)

Finland is #1 in mobile app creation.

(Global Innovation Index 2019)

Finland ranks #2 in quality of math and science education.

(WEF Global Competitiveness Report 2017–2018)

Finland was the first country in the EU to develop an official artificial intelligence strategy, and the government is committed to turning Finland into the leading country in the application of AI.

EUR per mWh



(20,000 < consumption < 70,000), first half of 2019 Source: Eurostat, data extracted March 2020



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Global companies value the fact that Finland is among the top performers in the world in innovation collaboration (Global Innovation index 2019). Many international companies, such as Bayer, Thermo Fischer and GE Healthcare, have established R&D operations in Finland, and health-related innovations by Finnish companies are attracting global interest.

As one of the first countries to compile social and welfare data in digital registries, and with a 100% population penetration in electronic health records, Finland's digital health data is globally unique when it comes to their scope and depth.

In addition to unique health data repositories, several other factors make Finland an attractive location for developing innovations in the field of data-driven solutions: broad-based skills of highly educated people; people's trust in public authorities; a tradition of public—private partnership as well as forward-looking, innovation friendly legislation.

PERSONALIZED HEALTH – EXCELLENCE IN PHARMACEUTICAL R&D

Finland is a trusted location for pharmaceutical research and development operations. Some international companies are also involved in the FinnGen research project, which aims to identify new therapeutic targets and diagnostics for treating numerous diseases by combining genome information with digital health data of 500,000 Finns.

Due to our well-curated health and social services data resources, Finland has the pole position in data-driven precision medicine. With the FinnGen study, Finland is taking a big leap forward towards growing excellence in biomedicine. The project brings together Finnish institutions with companies such as Abbvie, AstraZeneca, Biogen, Celgene, Genentech, GSK, Merck & Co., Pfizer and Sanofi.

DIGITAL HEALTH - WORLD-CLASS INNOVATION ECOSYSTEM

As Finland is the most advanced digital economy in the EU⁽¹⁾ our advances in digital health are highly appreciated. Finland has exceptionally extensive, high-quality social and health sector databases that can be combined with biological samples and phenotype data stored in biobanks. This enables development of predictive analytics, digital decision-making tools and artificial intelligence solutions for more efficient health care, as well as digital solutions for home care.

Finland's availability of a highly educated talent pool in artificial intelligence and machine learning, software, cloud, sensors and wearables, combined with easy and straightforward collaboration with clinical healthcare providers, makes Finland an ideal testbed for data-driven solutions.

(1) https://ec.europa.eu/digital-single-market/en/desi

INNOVATION-FRIENDLY LEGISLATION

Finland has exceptionally extensive and high quality social and health sector databases. The new legislation makes it easier to access the databases, while respecting the data privacy of individuals. Finland's Biobank Law entered into force already in 2013, making it possible to recall the persons who have given their sample to the biobank, as well as rapid patient recruitment for clinical trials.

The Act on the Secondary Use of Health and Social Data (2019) makes Finland's vast data reserves available to researchers and businesses. A single point of contact, FINDATA, which acts as the data permit authority and service operator, oversees the ethically sound use of the data. This authority, together with the National Institute for Health and Welfare, will assign permits when several different databases need to be accessed. This ensures efficient and secure procedures in utilizing the data in research, development and innovation activities.

"

Finnish research is always highly professional. What distinguishes the Finnish ecosystem and Finnish hospitals is their very high efficiency and reliability. I would certainly recommend any health-care company that is planning multicenter research projects to consider Finnish research centers."

NATALIA MUEHLEMAN

GLOBAL BUSINESS MANAGER NESTLE HEALTH SCIENCE, SWITZERLAND 66

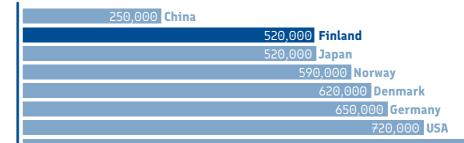
In Finland, the government is putting a lot of resources into healthcare, as well as education. First of all, you have a lot of medical professionals. You have the best healthcare system in the world. Even us, we come to do health checks in Finland. And you have a lot of institutions, such as your universities, that encourage medical practices as well as research and development. So I find a lot of practical professionals, who are not only doctors but also scientists, which is very unusual.

This is important because when you develop something, you want to know what kind of a problem you are solving in a real society — what the patients are suffering from and what social issues you are tackling I think that in Finland, I will find more practical solutions to medical problems from all over the world. Investing in this kind of company provides a faster route to the market."

MONITA MO

OWNER ASCEND CAPITAL PARTNERS, USA

COST OF A CLINICAL RESEARCH R&D TEAM



950,000 Switzerland

Job title (Head count): Assistant Scientist (1), Clinical Research Associate (1), Facilities/Office Services Specialist (1), Head of Research and Development (1), Laboratory Specialist (1), Laboratory Technician (1), R&D Team Leader (1), Scientist (1), Senior Scientist (1)

All costs shown in EUR. Source: fDi Benchmark from Financial Times Ltd 2020



In addressing the challenges of sustainability, climate change mitigation and energy system transformation with a systemic circular economy approach, Finland is creating new business opportunities in multiple sectors.

RENEWABLE ENERGY AND ITS STORAGE: STRONG GROWTH AND NEW OPPORTUNITIES

Finland's focus areas in renewable energy production are wind and solar power generation, P2X solutions, biofuels and bioenergy. The wind power industry is enjoying robust growth, as a solid new project pipeline is being implemented on a purely commercial basis, without subsidies. In energy-intensive operations, - such as data centers and industrial production – companies are already utilizing renewable wind power purchase agreements. R&D is increasingly focused on Power-to-X solutions. Finland's pioneering bio-based industries focus on biofuels, bioenergy and materials. The combination of all these developments creates opportunities for new business and enables companies and investors to access the stable renewable energy markets in Finland.

ENERGY STORAGE: CREATING A SUSTAINABLE BATTERY VALUE CHAIN

Energy storage is a key component in combating global climate change sustainably Finland's unique circular business ecosystem approach in the battery value chain covers raw materials, battery chemicals, advanced materials, battery cells, modules & packs, applications, reuse and recycling.

Finnish companies, research institutes, universities and the public sector work together and actively participate in creating a European battery ecosystem. Finland has all the key components required to build this ecosystem – from raw materials to applications to recycling know-how.

Finland is the only European country that has all the key minerals used in the production of lithium-ion batteries: cobalt, nickel, lithium and graphite. Companies in Finland possess key technologies required for the mining industry and for refining battery raw materials, including all technologies and services relevant to the full battery value chain. Aalto University and Outotec are leading research in the BATCircle consortium (Finland-based Circular Ecosystem of Battery Metals), which is part of EU's European Strategic Energy Technology Plan (SET Plan).

The Finnish approach to building a circular battery ecosystem is based on sustainability, transparency and a low total CO₂ footprint throughout the value chain. Finland offers open innovation in a stable and competitive business environment. All this is increasingly attracting international companies that are interested in becoming part of Europe's growing battery ecosystem.



READ MORE ABOUT THE FINNISH BATTERY ECOSYSTEM AND INVESTMENT OPPORTUNITIES



BASF selected Harjavalta, Finland, as its first location for producing battery materials to serve the European automotive market, enabling a supply of approximately 300,000 full electric vehicles per year with BASF battery materials.

"With the investment in Harjavalta, BASF will be present in all major regions with local production and increased customer proximity, further supporting the rapidly growing electric vehicle market."

KENNETH LANE

PRESIDENT BASF'S CATALYSTS DIVISION, GERMANY

SMART, SUSTAINABLE MANUFACTURING: DRIVEN BY INNOVATION AND EXPERIENCE

Finland's strengths in the manufacturing sector are sustainability, innovation and digitalization. Known for its highly energy-efficient process industries and machinery production, Finland is home to world-class process engineering, automotive, maritime and intelligent vehicle production.

International companies have found Finland an excellent location for demanding, highly automated manufacturing and R&D. Finland's active industry ecosystems support co-creation, innovation, fast piloting and testing for future factories

DIGITALIZATION: SOLVING COMPLEXITY WITH INTELLIGENCE

Finnish digitalization and smart energy know-how contribute to the global energy transformation, meeting the needs of increasingly complex and decentralized energy systems. Finland has decades of experience in running an extremely stable electric grid, while also pioneering many innovative solutions and boosting startups in the field of new energy. Finland has one of the most advanced smart grid markets in the world, providing an ideal testbed for tomorrow's smart energy solutions.

Our open and competitive energy systems have also fostered innovation ecosystems in energy and sustainable manufacturing, connecting startups, large enterprises, research organizations and the public sector. Finland offers a unique platform fordeveloping and commercializing energy and manufacturing technologies based on clean solutions.





Combining world-class competence and technology with favorable longterm policies, this renewing industry cluster offers huge growth potential with projects worth €5 billion.

Advanced new bio-based products such as 100% renewable diesel, dissolving pulp for textiles, pyrolysis oil, cross-laminated timber and kraft lignin are already being produced on a commercial scale. New products like wood-based fabrics, bioplastics, bioplastics, bioplastics, and advanced lignin applications are under development and close to commercialization.

About 50% of Finland's bioeconomy consists of the forest industry, a mainstay of the Finnish economy for centuries. With 86% of the land area covered by forest, Finland is Europe's most heavily forested country. The annual forest growth is 100 million cubic meters, and 90% of Finnish forests are PEFC-certified.

Finland's green gold has created several bioeconomy value chains. Globally operating forest industry companies, such as UPM, StoraEnso, Metsä Group, SCA and Sappi have major production facilities in Finland. There are 50 pulp and paper mills and 240 wood product production sites in Finland. Several forerunner technology companies such as Andritz, Sumitomo SHI FW, Outotec and Valmet are based in Finland, which is also home to world-leading forest machinery providers John Deere and Ponsse.

Major chemical producers operating in Finland, such as Kraton Group, CP Kelco and Forchem, focus strongly on bio-based raw materials and processes. The use of transport biofuels is rapidly increasing in Finland, and this development is led by major forest and energy companies.

"

We see the extraordinarily high quality of the sawn timber produced in Northern Karelia, Finland, as an excellent starting material for all further value-added stages, which we plan to establish over the next few years."

HANS BINDER

OWNER BINDERHOLZ, AUSTRIA

The Finnish company Neste is a global leader in producing renewable diesel made entirely from waste and residues. The next generation of biobased packaging comes from Finland, with great examples of sustainable solutions provided by UPM, Kotkamills, Stora Enso and Huhtamäki. In addition, research-based solutions include award-winning startups like Paptic, Woodly and Sulapac.

INVEST IN **FINLAND**

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INVEST IN FINLAND

DID YOU KNOW?

Finland's first forest protection law was established in 1886. Today 90% of Finnish forests are PECF-certified.

Finland is currently experiencing both a biofuels and pulp boom – several new refineries and mills are under planning.

Anything made out of oil can also be made of wood – and it is already happening in Finland



Finland is a world leader in the bioeconomy sector, offering great opportunities and potential. That's why we are determined to build the biorefinery project in Kemijärvi."

YUHANG WANG

VICE PRESIDENT CHINA CAMC ENGINEERING CO., LTD

NEXT-GENERATION BIOREFINERIES

Major investments by leading Finnish companies have paved the way for – bioeconomic growth. UPM established the world's first wood-based renewable diesel biorefinery in Lappeenranta in 2014. The main raw material of the biorefinery is crude tall oil. Metsä Group's next-generation, €1.2 billion bioproduct mill in Äänekoski has been operating since 2017. In 2018, Metsä Group and Japanese company Itochu invested €20 million in an industrial scale pilot plant that produces textile fiber from wood.

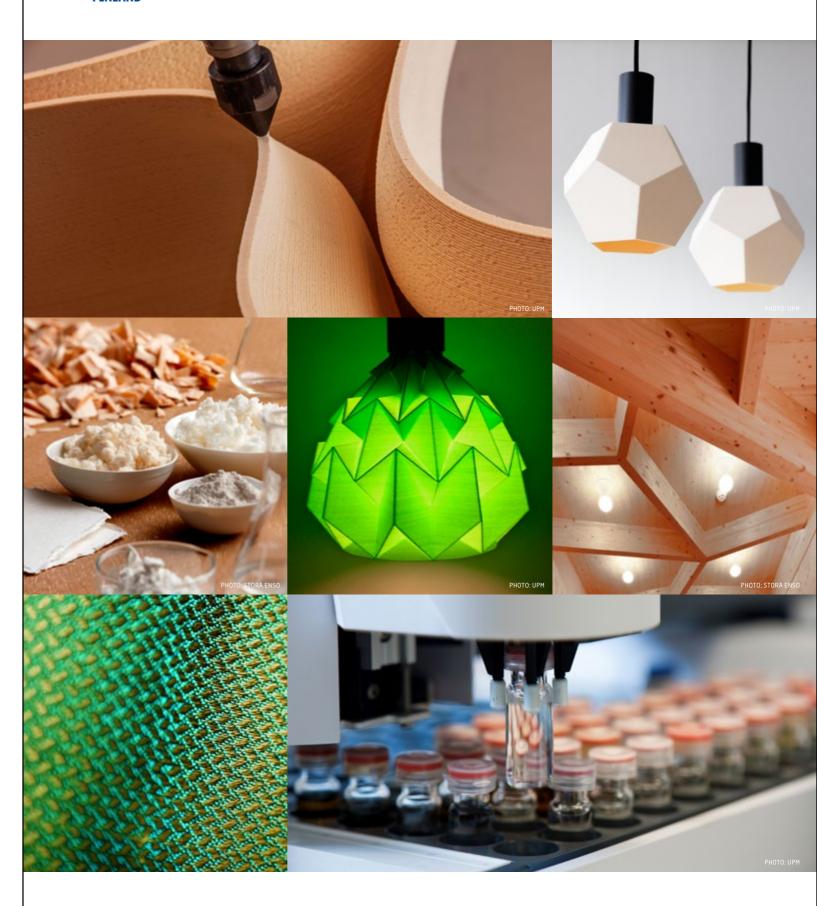
Chinese company China CAMC Engineering has announced its intention, in collaboration with their partners, to invest nearly €1 billion in bioeconomy projects in Finland.

Finland's thriving bioeconomy offers excellent business and partnering opportunities for international companies with additional expertise and resources, particularly in further refinement, product formulation and the creation of high value-added services and products, such as biochemicals and advanced biomaterials.

In the future, everything that is oilbased today can be made from wood. Flexible screens, sound systems, car parts, biodegradable packaging materials, adhesives, paints, cosmetics, medicines, textiles – wood is likely to serve many new markets in the future.

UNIQUE PLATFORM FOR BIO-BASED GROWTH

- STRONG INDUSTRY CLUSTER
- WORLD-CLASS COMPETENCE
- GROWTH & PARTNERING POTENTIAL
- ABUNDANT FEEDSTOCK
- · GOVERNMENT SUPPORT





Finland's four major tourism regions offer a range of unforgettable experiences and locations:

HELSINKI METROPOLITAN AREA is a thriving region of cultural delights, excellent shopping, picturesque parks and historical sights set on the coast of the Gulf of Finland.

LAPLAND, the northernmost region of Finland, is known for its winter wonderland of snow, Santa Claus and reindeer, with world-class ski resorts and the absolute peace of the Arctic wilderness. It is also the place to enjoy the magical Northern Lights during the winter and the Midnight Sun in the summer, when the sun does not set for 70 days.

FINNISH LAKELAND is a region of pristine natural wonders and home to the largest lake district in Europe, where thousands of lakes are dotted with forest-covered islands and charming holiday cottages.

THE FINNISH ARCHIPELAGO is the world's largest archipelago, a unique geographic and cultural region featuring the oldest historical buildings in Finland.

Traveling to Finland is easy via the award-winning Helsinki Airport, a well-connected hub that is easily accessible from both the East and the West. Finland also has comprehensive domestic networks for air, rail, road and water transport. Are you interested in learning more about specific investment opportunities? Contact Invest in Finland to get the latest news and expert analysis on the growing travel and tourism sector.



RETAIL SECTOR POTENTIAL FOR INTERNATIONAL BRANDS

Finland's retail sector has grown significantly over the past 15 years, and Finnish households are among the top 10 in the EU in terms of purchasing power. Finnish consumers are techsavvy and internationally oriented, spending a large share of their income on retail and leisure activities. There is an increasing demand for luxury products and discount sales.

According to the Finnish Council of Shopping Centres, the presence of international retailers in Finland has grown steadily in recent years, but is still lower compared to the rest of Europe, so there is great potential for new retailers to enter the market. There are several new shopping center projects underway, offering fresh opportunities for retail brands. Retail opening hours are very liberal in Finland.

The Helsinki metropolitan area is the fastest growing region in Finland, with a current population of 1.2 million. Finland's strong tourism sector is also boosting retail sales in many areas. Finland's central location between Russia, the Nordic and Baltic countries makes it a good base for regional expansion, providing access to 500 million consumers across northern Europe.

THRIVING BUSINESS SERVICES

Finland's thriving business services sector includes IT and digital services, architectural and engineering activities, employment activities, management and consultancy services, advertising, accounting and auditing, legal activities, technical testing and analysis, and market research.

SMART MARITIME AND AUTONOMOUS SHIPPING

Finland has a strong and diverse maritime industry, with a long tradition of shipbuilding for the international markets. Most of the largest luxury cruise ships in the world are built or designed in Finland. The same goes for ice breakers: 60% of the world's ice breakers are built in Finland, and 80% are designed here. The world's first LNG-powered ice breaker was built in Finland.

With more than 1,000 suppliers, Finland also has the largest shipbuilding sub-contractor network in the world. Specialist areas include ship design, ship construction, ship repair, ship power and propulsion, on-board cargo

solutions, cargo handling equipment and systems, engineering, design, life-cycle maintenance solutions, ship operation technology and energy-efficient solutions.

Finland is a global pioneer in developing next-generation shipping solutions. For example, Finland is a great environment for testing and developing autonomous shipping technologies, thanks to expertise in optical sensors, wireless communications, software development, the industrial internet and artificial intelligence.

The One Sea Autonomous Maritime Ecosystem brings together leading Finnish and international marine experts in a strategic combination of top research, state-of-the-art information technology and business. One Sea aims to create an environment suitable for autonomous ships by

2025, including industrial standards to minimize accidents, decreasing the environmental footprint of marine traffic, and advancing the possibilities for new commercial ventures.

In December 2018, Rolls-Royce demonstrated the world's first fully autonomous ferry on a trip between Parainen and Nauvo in Finland.

The Jaakonmeri test area located in the western coastal area of Finland is open to all companies, research institutes and others that wish to test autonomous maritime traffic, vessels, or related technologies.



STRONG CHEMICAL INDUSTRY

The chemical industry accounts for 20% of Finland's industrial output and exports, making it the country's second-largest industrial sector. Finnish chemical companies drive growth through the introduction of innovative products and services. Chemicals are also a vital enabler for other Finnish industrial sectors, especially for machinery and metal products and electronics, as well as for pulp and paper.



Our investment in a high-end production facility in Finland is an additional step forward in the execution of our growth strategy. The location in southern Finland will allow us to serve the growing demand in Finland, Sweden, Norway, Denmark and the Baltic Countries for high-performance thermal insulation materials."

OLIVIER CHAPELLE

CEO RECTICEL, BELGIUM

A CENTRAL HUB FOR SMART LOGISTICS

Finland is a cost-efficient logistics hub between Northern Europe, Russia and Asia. A rail freight route – opened in 2017 between Kouvola in Finland and Xi'an in China – is quicker than the Central European routes and can operate with longer trains. This makes it ideal for goods that require special conditions, including timber and seasonal products that suffer from moisture during sea transport.

Finland offers the fastest flight connections between Europe and Asia. Sea freight is handled in over 30 Finnish ports. A significant share of the transit trade from the EU to Russia passes through Finland.





ATTRACTIVE MINING OPPORTUNITIES

Finland is one of the leading mining countries in Europe. Current mining activity is focused on gold, platinum-group metals, base metals, diamonds and industrial minerals. Finland is the only producer of cobalt and the largest producer of gold in the European Union. As many commodities are still largely underexplored, there is significant potential for new discoveries. Finland also offers excellent geological databases, good infrastructure and readily available exploration services. Fraser Institute's Annual Survey of Mining Companies has ranked Finland the world's second attractive jurisdiction for mining investment.

GLOBALLY RECOGNIZED GAMING INDUSTRY

Over the past decade, Finland has developed into a globally connected hub of creative game developers, with Finnish game studios attracting foreign investors and talent. Some of the biggest hits in the gaming world have been created by Finnish companies, including Clash of Clans by Supercell and Angry Birds by Rovio. Currently, Finland's dynamic gaming industry has an annual turnover of more than £2 billion.

The gaming industry enjoys strong support from the Finnish government, and game-related education is offered by several vocational colleges, universities of applied sciences and universities.



Finnish game developers have been successful in taking advantage of new opening markets, business practices and platforms. Many Finnish studios are mapping out new opportunities in blockchain, cross-platform games, cloud gaming, the subscription model, HTML5 (including chat games), new consoles as well as XR technologies."

NEOGAMES FINLAND

HUB OF THE FINNISH GAME INDUSTRY



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The pillars of Finland's peaceful and well-functioning society include transparent government and effective state institutions, an independent judicial system and respect for the rule of law. Finland has firmly established civil liberties and personal freedoms as well as progressive gender equality legislation.

Finland is the only Nordic country that is both a member of the European Union and part of the eurozone. Finnish banks are the most trustworthy in the world, and Finland is also consistently ranked among the least corrupt countries in the world. All these factors combined significantly reduce business risks for international companies and investors operating in Finland. According to BMI Research,

Finland will remain one of the most politically stable countries globally during the forecast period 2016–2025.

Finland's success story in becoming a highly industrialized, knowledge-based and innovative economy is based on free trade and openness to investment in the globalized economy. As a result, the Finnish business climate is very international and attractive to foreign investment. International companies benefit from Finland's reliable infrastructure, highly educated workforce and ease of doing business. Finland's corporate tax rate (20%) is among the lowest in the EU.

CORPORATE TAX RATES 2019

| 20 Finland | | | | | |
|----------------|--|--|--|--|--|
| 21 US A | | | | | |
| 21 Sweden | | | | | |
| 22 Denmark | | | | | |
| 22 Norway | | | | | |
| 23 Israel | | | | | |
| 25 Netherlands | | | | | |
| 25 China | | | | | |
| 30 Germany | | | | | |
| 33 France | | | | | |

Source: Deloitte 2019

A SAFE ENVIRONMENT SAVES YOU MONEY

Business costs of terrorism



(1 = terrorism imposes significant cost on business, 7 = terrorism does not impose significant costs)
Source: Global Competitiveness Report, World
Economic Forum, Switzerland, 2017/2018



SOLID INFRA-STRUCTURE FOR YOUR BUSINESS

EVERYTHING WORKS IN FINLAND.
FROM ENERGY SUPPLY TO TRANSPORT
AND ICT NETWORKS, FINLAND
OFFERS AN OUTSTANDING
INFRASTRUCTURE FOR BUSINESSES.

Power generation is decentralized across more than 400 power stations that use different production technologies and raw materials. The diversified approach ensures a very stable energy supply and keeps the price of electricity and natural gas at a competitive level.

Finland's air, sea, rail and road networks are comprehensive and well-organized. Helsinki Airport is a strategic flight hub between Europe and Asia. The ultra-fast and cyber-secure submarine C-Lion1 cable connection between Helsinki and Germany is the new digital highway between Finland and Central and Eastern Europe. 80% of all internet traffic between Western Europe and Russia already goes through Finland. Finland is strongly involved in the Arctic Connect initiative to build a digital bridge between Europe and Asia. C-Lion1 also serves as the backbone for the planned cable connection via the Northeast Passage.



HIGHLY EDUCATED AND SKILLED WORKFORCE

FINLAND'S WORKFORCE IS EXCEPTIONALLY WELL EDUCATED, SKILLED AND EXPERIENCED, AND KNOWN FOR ITS HIGH LEVEL OF PRODUCTIVITY AND COMMITMENT.

In international comparison, Finnish labor costs are competitive in relation to the employees' level of education and experience, and thus to the quality and quantity of output. Finland is among the countries with the best human capital index in the world in terms of education, well-being and employment.

INVEST IN

FINLAND

Finns know global business and are used to working in a multicultural environment across different time zones in English. Over 90% of Finns under 30 speak English. In addition to Finnish, Swedish is Finland's second official language, and many Finns also speak Russian.

In international rankings, Finland stands out for the best availability of scientists and engineers, and for most researchers per capita. Finnish engineers are experienced in delivering excellent results in global, multi-site product development projects across all areas of software and hardware design and integration.

WORLD'S BEST EDUCATION SYSTEM

Finland's development into a highly industrialized, knowledge-based society has been enabled by its renowned education system, frequently ranked as the best in the world. About a third of Finland's working population has a degree or higher qualification.

From primary school to postgraduate research, education in Finland is free for all citizens. Higher education is provided in 14 universities and 24 universities of applied science. Teachers in Finland must hold a Master's degree and education-specific qualifications. Finland consistently ranks among the best nations in the world in PISA surveys, which measure young people's knowledge and skills in mathematics, reading and science.

Finnish ICT companies and the gaming industry are partnering with schools to help develop cutting-edge digital learning solutions that make learning fun.





MEETING FINNS IN BUSINESS

What's interesting, though, are the cultural differences. One thing I love about Finland is the efficiency of communication. Straight to the point, very honest, and very efficient. Co-operation is going well and there's a lot of respect between the teams."

MARK OLLILA

CEO & CO-FOUNDER KAST. USA

DID YOU KNOW?

Finland has the 2nd most skilled workforce in the world.

(World Economic Forum, Global Competitiveness Report 2019)

Finland's universities are among the highest performing in the world.

(Universitas 21 2019)

Education in Finland is the world's best at answering future needs.

(The Economist Intelligence Unit & Yidan Prize, Worldwide Educating for the Future Index 2018)

Education in Finland is 100% free for residents up to doctorate degree <u>level</u>

Finland has the best availability of scientists and engineers in the world.

(World Economic Forum, Global Competitiveness Index 2017–2018)

Over 90% of Finns under the age of thirty speak English. (Statistics Finland)



THRIVING INNOVATION

FINLAND RANKS AMONG THE WORLD'S TOP 10 COUNTRIES IN TERMS OF PATENTED INVENTIONS PER CAPITA.

Finnish innovations include the first wearable fitness tracker, the first messaging app, xylitol sweetener for healthy teeth, the Linux operating system, the SSH internet security protocol and the Clash of Clan and Angry Birds mobile games.

Knowledge transfer between companies and universities is a key factor in Finland's innovation and economic success. There is strong collaboration between Finnish industries, research institutes, universities and the government, with a proven track record of delivering disruptive technologies and innovative design. Many projects are also open to international companies.

Slush, the world's leading startup event, is a great way to discover innovative Finnish startups and new technologies. Finland has a vibrant startup ecosystem with accelerators, angel investors, venture capitalists and strong innovation support by the government.

A TRUSTED R&D LOCATION

Finland offers an excellent R&D and testing environment for new products, production methods, processes or technologies. A new operating model or system can be tested in a real operating environment, for example in a city district, in traffic, or as part of a client company's operations.

Finland hosts R&D centers for many of the world's leading companies, including Fujitsu, IBM, Microsoft, Huawei and Denso.

We selected Finland for recent R&D investment because of the good availability of talented software developers and hardware engineers as well as the high levels of safety, stability, education and research here."

BRIAN QUINN

DIRECTOR OF BUSINESS STRATEGY INTEL LABS EUROPE, IRELAND

DID YOU KNOW?

Finland is the 3rd most innovative country in the world.

(Bloomberg Innovation Index 2019 & Consun Technology Association (CTA)™ 2019)

Finland ranks number 1 in international PCT patent **applications.** (Global Innovation Index 2019)

R&D expenditure in Finland totaled 2.7% of GDP. This share was one of the highest in Europe.

(Eurostat 2019)

Finland is ranked 5th globally in university and industry research collaboration.

(Global Innovation Index 2019)

PARTICIPATE IN FINNISH RESEARCH PROGRAMS

Finland has many industry ecosystems and research programs that enable co-creation and innovation opportunities and are open to international companies.

The recently established Finnish Flagship Programme provides a new, unique way of doing research, development and innovation in Finland, promoting active collaboration between research, business and society. Long-term government funding is granted for six large ecosystems:

- FinnCERES Competence Centre for the Materials Bioeconomy
- 6Genesis 6G-Enabled Wireless Smart Society & Ecosystem
- FCAI Finnish Center for Artificial Intelligence
- INVEST Inequalities, Interventions and New Welfare State
- · PREIN Photonics Research and Innovation
- iCAN Digital Precision Cancer Medicine Platform

VENTURE CAPITAL AVAILABILITY COMPARISON OF 10 LOCATIONS

This table shows all information related to the underlying data for venture capital availability across 10 locations. Access to Venture Capital for innovative but risky projects (1= very difficult to access, 7= very easy to access). Unit type: Rating from 1 to 7.

| LOCATION | RATE | VALUE 1-7 | LOCATION | RATE | VALUE 1-7 |
|----------------------|------|-----------|----------------|------|-----------|
| United States | 1st | 5.2 | Singapore | 6th | 4.8 |
| Israel | 2nd | 5.2 | Germany | 7th | 4.8 |
| Finland | 3rd | 5.1 | Hong Kong | 8th | 4.7 |
| United Arab Emirates | 4th | 4.8 | Malaysia | 9th | 4.6 |
| Qatar | 5th | 4.8 | United Kingdom | 10th | 4.5 |

Source: Global Competitiveness Report, World Economic Forum, Switzerland, 2019

R&D INCENTIVES

R&D&I incentives from Business Finland

Business Finland's innovation funding provides low-interest loans and grants to challenging and innovative projects with potential for global success stories. We offer funding for research and development work carried out by companies, research organizations, and public sector service providers in Finland. In addition to funding technological breakthroughs, Business Finland also emphasizes service-related, design, business and social innovations. Companies of all sizes can benefit from these incentives, including startups.

INVESTMENT, LAND & INFRASTRUCTURE INCENTIVES

Business aid from ELY Centers

Business aid to companies operating in Finland is coordinated by the Centers for Economic Development, Transport and the Environment (ELY Centers), with 15 regional offices providing advisory, training, expert services and funding for investment and development projects.

Foreign-owned companies in Finland can benefit from several different types of aid, especially in certain regions of Finland (Development areas 1 and 2).

Growth capital from TESI

TESI (Finnish Industry Investment) is a 100% state-owned equity investor. TESI's mission is to invest in growth and develop Finland's venture capital industry. It is a profit-seeking limited liability company with an independent Board of Directors responsible for investment decisions. In a single investment project, TESI's share of the total investment is up to 50%. The private investors' share must be at least 50%. The investment criteria are the same as the criteria for private venture capital and private equity investors.

Loans and guarantees from Finnvera

Finnvera is a specialized state-owned financing company and Finland's official Export Credit Agency (ECA). Finnvera strengthens the operating potential and competitiveness of enterprises in Finland by offering loans, domestic guarantees, export credit guarantees, and other services associated with export financing. The risks included in financing are shared between Finnvera and other financiers.

"

Some European countries have similar government funding schemes in place, but there are big differences from country to country, and in certain aspects, Finland can be significantly more beneficial to foreign companies. The fact that companies are treated fairly and impartially regardless of their origin has been very appealing and important to us from day one."

DR GUOPING LUO DIRECTOR HUAWEI FINLAND

TRAINING AND EMPLOYMENT INCENTIVES

Training & employment services from ELY Centers' TE Services

The services offered by ELY Centers cover recruitment, improvement of business efficiency and management skills, updating of staff skills, and training of new employees.

Employment services

Regional TE Offices can help you with recruitment. TE offices know the labour force and the job market in the area, and can help you find just the right skilled employees for you.

Training

TE Services plan and implement vocational training in cooperation

with employers. In the joint training projects, the TE Centre and the employer share financing and the employer participates in the selection of students. With joint training, the company can:

- Seek skilled workers when the skills required by the company are not completely acquired through other education
- Provide tailor-made basic or advanced vocational training for your staff
- Assist and support workers who have been laid off with finding a new profession



FDI in Finland is often related to knowledge-driven business. Participation in business ecosystems and cooperation with Finnish firms can bring valuable R&D&I partnerships and new growth opportunities for international companies. For example, Finland has several high-tech clusters with many small technology companies that have cutting-edge expertise but lack capital and have limited access to the global markets. This creates win-win business opportunities.

According to EY's Nordics
Attractiveness Survey 2019, Finland secured a record high of foreign direct investment projects and attracted more projects in 2018 than the other Nordic countries combined. This was the 7th consecutive year that Finland was the number one foreign direct investment destination in the Nordic countries.

In 2018, the majority of FDI projects in Finland were created in the digital, health and social work and business services sectors, followed by machinery and equipment, metals, finance, utility supply, electronics and IT, research and scientific instruments, and transportation and logistics.

Many companies that invest in Finland also use the country as a base for managing their business in Northern Europe, the Baltic region and Russia, or to connect their European business with East Asia.

Setting up a business in Finland is quick and easy. Visit our Business Guide for detailed information about establishing your company in Finland.



NUMBER OF FDI PROJECTS IN THE NORDICS 2018



Source: EY's Nordic Attractiveness Survey, 2019

NUMBER OF FDI PROJECTS IN THE NORDIC CITIES 2018



Source: EY's Nordic Attractiveness Survey, 2019



INVEST IN FINLAND

ENABLING YOUR BUSINESS TO PROSPER

As the country's official investment promotion agency, Invest in Finland offers a wide range of useful services for international companies and investors. Our mission is to help your business to grow and prosper in Finland.

Invest in Finland provides industry insights, tailored recommendations and practical support to meet your needs when planning, establishing or expanding your operations in Finland. From opportunity analysis to

information on different kind of investments, mergers and acquisitions, research partnerships and access to Finland's lively innovation ecosystems, we have the expertise and contacts to support your business all the way. Invest in Finland's industry experts help you with getting to know the Finnish industry clusters, companies, research institutes and universities. Our professional services are confidential and complimentary.

Invest in Finland works nationally and in close cooperation with our regional partners. We are part of Business Finland – the Finnish innovation funding, trade, investment, and travel promotion organization. Headquartered in Helsinki, Business Finland is fully owned by the Finnish Government and employs 600 experts in 40 offices globally, as well as 20 regional offices around Finland. Business Finland is also part of the Team Finland network.

OUR FREE SERVICES

TAKE THE FAST TRACK TO BUSINESS OPPORTUNITIES IN FINLAND



DATA COLLECTION & ANALYSIS



NETWORKING



OPPORTUNITY ANALYSIS



LOCATION MANAGEMENT



GUIDANCE ON ENTRY ALTERNATIVES



SETTING UP A BUSINESS



