# DIRECTORA





OF THE ASSOCIATION



# **FinNuclear Association?**

FinNuclear ry is a trade association in Finnish nuclear industry. Association was founded in 2011 in order to commercially exploit the expertise of the Finnish nuclear energy industry both in Finland and abroad. The association's activities promote the readiness of Finnish companies to operate in the nuclear energy sector, support the safe use of nuclear energy, and raise awareness of nuclear power.



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**Editor-in-chief:** Roosa Ahola, FinNuclear **Design and layout:** Roosa Ahola, FinNuclear **Images:** FinNuclear Association **Inner page images:** FinNuclear Association

# **Description**

FinNuclear Directory presents members of FinNuclear Association with competences in nuclear related technology. The purpose of this directory is to serve the international nuclear industry stakeholders by identifying potential Finnish partners for nuclear power projects. The Directory is published by the FinNuclear Association.

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# **Nuclear Renaissance is gaining momentum**

Recently we have seen how nuclear renaissance is gaining momentum not only in the Nordics but also across Europe, with renewed interest and investment in nuclear energy as a reliable, lowcarbon source of power.

In Finland, our nuclear industry stands as a testament to innovation, safety, and sustainability. With a strong commitment to cutting-edge technology and rigorous safety standards, we have cultivated an industry that not only meets our nation's energy needs but also contributes to global advancements in nuclear science and engineering. Looking ahead, the future of the Finnish nuclear industry is filled with possibilities. With ongoing research and development initiatives, coupled with a strong dedication to environmental stewardship, we are poised to lead the charge towards a clean energy future. The Finnish government's progressive policies further reinforce our commitment to sustainable energy practices, providing a supportive framework for continued growth and innovation within the nuclear sector.

For FinNuclear members, this represents a wealth of business opportunities. Whether it's through collaboration on research projects, participation in industry events, or accessing specialized training and resources, membership in FinNuclear opens doors to a vibrant ecosystem of networking and growth. FinNuclear provides a platform for forging connections, sharing expertise, and capitalizing on emerging market trends.

Moreover, the exploration of small modular reactors (SMRs) holds significant promise in Finland, offering scalable and versatile solutions for our energy needs. As we explore the potential of SMRs, in industrial applications as well replacing fossil fuels in distict heating FinNuclear remains at the forefront, fostering collaboration and driving innovation in this exciting frontier of nuclear technology.

Bevond our borders, the Nordic region presents a dynamic landscape for nuclear energy collaboration and exploration. As neighboring countries, like Sweden, embrace the potential of nuclear power to meet their energy demands in future while reducing carbon emissions, opportunities for cross-border partnerships and knowledge exchange abound. Together, we can leverage our collective expertise to shape a brighter, more sustainable future for generations to come.

### "Together, we can leverage our collective expertise to shape a brighter, more sustainable future for generations to come."

I invite you to explore the FinNuclear Directory and discover the wealth of opportunities and expertise that our industry has to offer. Whether you are a seasoned professional, a curious enthusiast, or a policymaker shaping the energy landscape, your presence and engagement are invaluable as we navigate the exciting journey ahead.

Thank you for vour



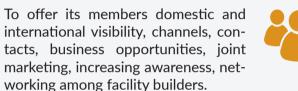
# **FinNuclear: Expertise from Finland**

# **GOALS**

Promote the general operating conditions, cooperation, international know-how and recognition of organizations operating in the nuclear energy sector in Finland.

# **STRATEGY**

Producing the memeber catalog Fin-Nuclear Directory in electronic version and annually printed version to promote members.



Arranging networking events domestic and internationally, for example SMR Business Day and Nordic Nuclear Forum.



Organizing the joint exhibition pavilions abroad with the member companies for example World Nuclear Exhibition and World Utilities Congress.

To cooperate with industry players, authorities and stakeholders to ensure the role of nuclear power in energy production together with member companies.

To offer information, influencing opportunities and promotes excellence in the nuclear power industry.

Communicating actively with key actors and decision-makers in the nuclear industry in events and meetings.

Producing monthly newsletter and sharing the latest publications, market news for members. Tools and training to increase organisations' nuclear industry competence.

www.finnuclear.fi

# beyond. Harri Varjonen

nuclear

energy in

Executive Director, FinNuclear Association

# **Nuclear Ecosystem in Finland**

Finnish advanced nuclear programs have been achieved through the joint activities of licensees and their ecosystem, which includes suppliers, contractors and research institutes. Finnish subcontractors are organized under the FinNuclear Association. FinNuclear Association's purpose is to promote Finnish companies' general preconditions, cooperation, competences, international profile in manufacturing, construction and service activities in the nuclear energy field.

5



# **ENGINEERING BOGINEERING**



### Areas of core competence

Feasibility studies, nuclear new build, SMR, site evaluation, licensing, safety analyses, O&M, plant upgrade, digitalization, project and quality management, decommissioning and waste management.



www.afry.com

+358 10 331 1

# **AFRY Finland Oy**

AFRY provides engineering, design, digital and advisory services to accelerate the transition towards a sustainable society. We are 19,000 devoted experts in industry, energy and infrastructure sectors, creating impact for generations to come. We are pioneers in the international nuclear industry - AFRY have been consulting in the sector since the 1950s. Our services cover the entire nuclear life cycle, from strategic advice through licensing and permitting to construction, operation, decommissioning and

waste management. Making Future





### Areas of core competence

Heat management solutions. Designing, manufacturing and installing of the insulation module systems for primary components.



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Arto Wainio, Sales Director arto.wainio@adiawbatix.fi



www.adiabatix.fi

+358 20 730 7900

# Adiabatix Oy

Adiabatix Oy was established in the year 2000 to design heat management solutions for industrial needs. The main target of Adiabatix is to create more advanced insulation solutions for its customers by using modern design and production methods with environmental friendly techniques and materials.



# ARK VAHTERA OY



**Kimmo Paakki, CEO** kimmo.paakki@arkvahtera.fi

Tuomas Haanpää, Project Manager tuomas.haanpaa@arkvahtera.fi



www.arkvahtera.fi

+358 (0 2)2 781600

# Ark Vahtera Oy

ARK Vahtera Oy is a versatile specialist in architectural design. In our design, we focus on cost efficiency, architectural quality and the life cycle of buildings. At the heart of every design project assigned to us is listening and understanding the customer's wishes and needs. With these goals, we believe that our customers will get far-reaching value for their investment decision.





Culmentor has long experience in implementing investment projects in the energy sector and nuclear power construction. With our collaborating partners we have the ability to offer wideranging expertise and resources, including translation and interpretation services.

Jukka Hellgren, Managing Director iukka.hellgren@culmentor.com

www.culmentor.com



+358 40 760 1447

# **Culmentor Ltd.**

### Areas of core competence

For successful investment project support for creating documents and managing the documentation process, respecting nuclear power sector specific requirements and YVL-guides project design tender preparation project management support installation and construction supervision. The services

can include also e.g. training required

and tender process



### Areas of core competence

Radiation protection/safety design and operational planning, Nuclear facility commissioning, Controlled area commissioning, Primary system design, Nuclear island design, Nuclear power plants, Waste management facilities. Final disposal facilities



+358 50 501 0144

# **Excore Oy**

Excore provides industry-leading expert services in radiation protection nuclear projects. Additionally Excore offers customized licensing, project management, public affairs, training and other technical design support for the nuclear industry.



# enmac

### Areas of core competence

We own strong knowledge of standards and regulations as we've worked with the nuclear power sector since 1997. Plant and process engineering for NPPs. Product development for special applications in nuclear waste management systems.



Jyri Halkola, Director, Kotka jyri.halkola@enmac.fi

+358 32 529 111

 $(\oplus)$ www.enmac.fi



# Enmac Oy

Let us solve your problems concerning demanding technology!

We provide industrial design services, equipment deliveries and project management. We serve you in product development, technical design, plant and process design, industrial automation and computer-aided engineering. Our goal is to help your business thrive one project at a

We always take full responsibility for our projects. We will complete the project on schedule, documented and as agreed. As a

convenient one-stop provider we do things right with high quality and accuracy, making the process as easy as possible for you.

# JENSEN HUGHES

### Areas of core competence

Our nuclear services include for example PRA, fire protection. HRA, site and hazard evaluation. SMRs and technology feasibility evaluation, capacity building, licensing support, design, analyses and lifetime extension.

### Juho Helander, Senior Program Manager, **Nuclear Safety**

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www.jensenhughes.com/europe/ services/nuclear-services

+358 10 583 5550

# **Jensen Hughes Finland Oy**

Jensen Hughes is a leader in safety, security and risk-based engineering and consulting. The US-based company has expanded all over the world, with offices in 16 countries and a footprint in over 100 countries. We have a strong expertise of over 20 years in fire and building safety and we are establishing our presence in Europe for nuclear power consulting since 2023, for example by participating in new multiyear SMR projects in Eastern

Europe. We are constantly expanding our nuclear expert team in Finland European countries.



# 

### Areas of core competence

**Documentation Project & Quality** Management.



www.jotus.eu/

+358 40 186 5138

Jotus specializes in R&D for power generation, with vast expertise from new builds to modernization projects, including hybrid systems. Our proficiency spans protection, I&C, testing, and related legislation. Collaborating seamlessly with your organization throughout design, production, testing and commissioning phases, we guarantee your success.

**Jotus Oy** 



# Metecno

Mechatronical Solutions

### Areas of core competence

CNC controlled special purpose machines. CNC controlled milling machines. Radiationresistant machines. Automation, mechanical and electrical engineering. Robotics integrations



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+358 20 741 5500

# Metecno Oy

Metecno Oy is a Finnish family-owned company, an innovative special purpose machine manufacturer, an expert engineering and robotics integrations, and a reliable partner since 2008.

Our vision is to be the best-known special purpose machine manufacturer in Finland. We commit ourselves to help any company in any industry in

any country to solve their problem with an unprecedented machine solution.



# 

### Areas of core competence

Site Selection, Site Characterisation, Repository Technology, Cost Estimation, Conceptual Design, Long Term Safety, Safety Case, Licensing Support, Layout Design, Rock Engineering, Host Rock Classification, Engineered Barrier Systems, Buffer & Backfill, Foreign Material Estimation, Monitoring, Biosphere Assessment, Requirement Management, Description of Disposal System



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www.mitta.fi

+358 44 421 1210

# Mitta Oy

Multi-discipline company with consultancy specialised in nuclear waste management services. With over 35 years of experience in nuclear waste disposal, company provides a complete range of solutions for nuclear waste management as well as specific research and engineering design services for nuclear waste disposal. Provides geotechnical testing and measurements, both on-site and in the laboratory, from standardized tests to highly customized

Leading experience in tests to prove

performance of

solutions and

materials.



### **NIPROMEC** Group Boost for your Core Business

Areas of core competence

Engineering Consulting and Resourcing.



**Akseli Kordelin, Energy Business** Unit Director akseli.kordelin@nipromec.com



www.nipromec.com

+358 10 219 300

# Nipromec Oy Ltd

Nipromec is an international engineering and consulting company operating in the fields of energy, industry and offshore. In the field of Nuclear Newbuilds, Nipromec has one of the biggest pool of professionals in Finland.

Our flexible and agile services are always of the customers.

our operations are expertise, quality and reliability.





Nuclear Fuel handling, Non-proliferation. Solution deliveries. Project management. Engineering services



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> Teemu Törönen, Projects and **Resource support** teemu.toronen@plansor.fi



+358 40 776 6320

www.plansor.fi/en

# **Plansor Oy**

Plansor Oy is a privately owned Finnish company serving nuclear energy industry with consultancy and equipment deliveries. Our personnel have nuclear experience both on license holder and supplier organisations and with our solid network of partners we can meet the client needs.





### Areas of core competence

Quality management system improvement, integrating management system disciplines merging nuclear safety, project management, project planning and execution control, supporting companies to be qualified as a nuclear sector supplier.





+358 50 462 0787

gualifinn.com

# **Qualifinn Oy**

Qualifinn is an independent expert company that is specialized in project and quality management in the nuclear industry. Qualifinn has years of experience in specific management standards and requirements in nuclear sector, in developing management processes and quality management and in supporting project management in planning, assessment, implementation and monitoring.

Kalliosuunnittelu Oy

ROCKPLAN is an consulting and

engineering office founded in 1986

for the design of rock structures.



# PLATOM

### Areas of core competence

Nuclear Safety, Engineering, Projects, Licensing, Operability



Kirsi Hassinen, CEO kirsi.hassinen@platom.fi



www.platom.fi

+358 44 550 4300

# **Platom Oy**

Platom is an independent and flexible company that specializes in nuclear safety, engineering and system deliveries in the nuclear industry. Platom has extensive how these should be interpreted and accounted for in new builds and modernization projects. Our high level of technical expertise combined with licensing experience allows us to both



implements demanding, specialized projects including tunnels, underground facilities and protective engineered buildings.



# 

Inco-operation withour customers, ROCKPLAN



**Rockplan Ltd.** 





Feasibility studies, nuclear new build, SMR, site evaluation, plant upgrade, digitalization, project and quality management, decommissioning and waste management, FEM-analysis (incl collision/crask simulation). 3D/4D design



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www.sweco.fi

# **Sweco Finland**

or renovations.

Sweco Finland is a part of Sweco Group, which is Europe's leading engineering and architecture consultancy. Sweco is the market leader of structural engineering in Finland. A functional building requires frame structure. Sweco's expertise covers all areas of structural engineering. the building types and materials. We are able to find the most lifecycle-efficient involve new buildings





Westinghouse is present in more than 20 countries and has approximately 10.000 employees working with everything related to nuclear power: from research and development, new build (AP1000-reactor, AP300 SMR-reactor and eVinci micro reactor). fuel production, service and maintenance to decommissioning. With our portfolio and great presence in the Nordics, we believe we are a local full scope nuclear supplier.



# Westinghouse **Electric Sweden**

Westinghouse is pioneer and a world-Our vision is to continuously develop technologies and services to enable a clean and carbon-free future. We are convinced that nuclear power and renewable energy together can create stable and sustainable electricity systems - around the clock, all year round. Westinghouse Electric Sweden AB represents both Sweden and Finland. We are about 1,000 employees and all business

areas are represented in the Nordic region. Westinghouse's three nuclear fuel fabrication plants.



# STEADY — ENERGY

### Areas of core competence

Nuclear heating plant engineering, procurement, construction and opeartion services



www.steadyenergy.com/

# **Steady Energy Oy**

Steady Energy delivers nuclear energy plants and a reliable nuclear heat service. Our goal is to combine manufacturing efficiency with nuclear engineering. Our heat-as-a-service concept offers nuclear heat without the need for specialized nuclear plant operations skills for clients. Built upon the LDR50 nuclear reactor of VTT, our technology ensures low OPEX and high reliability,

locate close to other







### **KONECRANES**<sup>®</sup> Lifting Businesses"

### Areas of core competence

Konecranes is a leading worldwide supplier of cranes, hoists, lifting systems, material handling systems, fuel handling equipment, spent fuel cask transporters, and single failure proof cranes for nuclear installations. Konecranes offers also Consulting services.



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www.konecranes.com

+358 20 427 11

# Konecranes **Finland Oy**

Konecranesisa world-leading lifting equipment manufacturer serving manufacturing and process industries, nuclear industry, shipyards and harbors with productivity enhancing lifting solutions and services.

Konecranes is a full service company providing design, engineering, manufacturing, testing, installation, maintenance, and outage support. Konecranes maintains an audited and

approved nuclear quality control program, and has knowledge regarding nuclear regulatory requirements worldwide.





### Areas of core competence

GE Vernova can supply and integrate all key components for a nuclear power plant.



# **GE Power Finland Oy** - Steam Power part of GE Vernova

GE Vernova sets the benchmark for innovative, environmentally friendly technologies in the world of power and power transmission. GE Vernova provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, wind, solar, nuclear, gas and coal.





### Areas of core competence

High quality cable support systems and lighting track intelligence.



Timo Lindqvist, Sales Director timo.lindqvist@meka.eu

www.meka.eu

+358 20 745 0800

# Meka Pro Oy

Meka Pro Oy is a Finnish company with a business strategy to produce high quality and competitive cable support systems for the various construction projects. MEKA® product range includes steel cable ladders, cable trays, wire mesh trays, lighting tracks, steel and aluminum Instal® cable trunkings and socket poles as well as unipro® lighting tracks.

When designing the products, key factors are quality, strength, fluent installing and long life cycle. We are one of the leading manufacturers

the Scandinavia and a kev supplier in Baltic Countries. The products are well represented in the Northern and Centra Europe.





Embedded steel components for concrete structures and Steel-Concrete (SC) elements. Typical products: anchor plates, rebar couplers, shear reinforcement, bolts, frames and sleeves. Supply of products according to international standards and specifications of the project.

**Raimo Lehtinen, Business Director** raimo.lehtinen@peikko.com

Telmo Margues, Project Manager, **Power Plants** 

telmo.margues@peikko.com



+358 20 707 511

www.peikko.com



Peikko Group is 1965 established Finnish family-owned company. Peikko Finland is a part of the international Peikko Group. Peikko Group is locally present with own sales units in 33 countries and have certified manufacturing units in 12 countries.

Peikko supplies a large selection of fastening products for concrete structures. Peikko's innovative solutions make customers construction process faster, safer and more effective, For Nuclear

Power Plant projects Peikko provides cost efficient and highquality manufacture of embedded components.

# REFINEC

### Areas of core competence

Designing, manufacturing and documentation of pressure vessels and heat exchangers. PED 2014/68/EU



Hannu Perälä, CEO hannu.perala@refinec.fi

www.refinec.fi/

**Riku Turkia, Quality manager** riku.turkia@refinec.fi

# **Refinec Oy**

Refinec Oy delivers high-quality products and services to various industrial sectors. Our main products are heat exchangers, pressure vessels and tanks in their various forms. We always design the equipment according to the process values given by the customer. In dimensional calculations, planning and strength calculations, we use the newest and most globally respected design and strength calculation softwares. In the design, we consider the special requirements set by processes and conditions, such as vibration frequencies, contamination, thermal expansion, material choices and external loads. Product

deliveries can be made flexibly and quickly according to the customer's wishes. production facilities are located in Lappeenranta.

**SSAB** 



# SSAB (Svenskt Stål AB)

SSAB is a Nordic and US-based steel company with a global reach and costefficient and flexible production system. SSAB is a leading producer on the global market for Advanced High Strength Steels (AHSS) and Quenched & Tempered steels (Q&T), standard strip, plate and tubular products, as well as construction solutions.

SSAB has operations in 50 countries and employs 16 000 people.



### τειατεκ SERVICE

### Areas of core competence

On-site machining, Thermal spraying and Repair/ overlay welding, NDT, QA/QC, Measuring services, Machine installations and Heavy workshop manufacturing. Nuclear turbines, valve, pump, etc. steam circuit equipment reconditioning and coating since 1982. Reconditioning of white metal bearings of turbines and generators. On-site machining of generator base plates, rotor bearing areas and sliding rings, sealing areas etc.



Heikki Manninen, Sales Director heikki.manninen@telatek.fi Juha Rintala, Technical Manager juha.rintala@telatek.fi

www.telatek.fi

+358 20 7 347040

# **Telatek Service Oy**

Telatek Group is a leading supplier of Field and Workshop Services. Telatek Service Oy offers cover maintenance, repair and installations of machinery and equipment e.g. when customers have problems with erosion, corrosion and wear. Our strengths are versatile implementations of Mobile Technologies; Thermal spraying, Welding and Machining. Telatek Service has also extensive experience in non-destructive inspections. Our NDT operations are FINAS-accredited and approved also by STUK. Telatek Works Oy Workshop

Services have the strengths in heavy weight manufacturing and machining of heavy and complex products. Single super component weight can be up to 120 tons.



www.finnuclear.fi

Our





Pressure equipment; NDT and DT services; Inspection of Electrical and Fire Detector Installations; System and Product Certification.

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Pekka Simpanen, CEO of DEKRA Inspection Oy pekka.simpanen@dekra.com

www.dekra.fi

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DEKRA is an independent inspection company, offering conformity assessment, technical inspection, certification and testing. DEKRA is a Notified Body in accordance with PED, TPED and Construction Product Regulation. DEKRA has approval by STUK for inspection of mechanical equipment and structures. Our goal is to improve safety, operational reliability, environmental sustainability and productivity

of our clients' equipment and structures. Through technical inspections and assessment we help our clients to fulfill these goals.





### Areas of core competence

Design reviews, Site inspection services, second- and third-party inspections, procurement inspections, expediting and CE-marking.

### Ulla Bergström, Industry Customer Support Manager ulla.bergstrom@bureauveritas. com

www.bureauveritas.fi

+358 10 830 8630

# **Bureau Veritas**

Bureau Veritas Finland supported by Bureau Veritas European Nuclear Business Unit and services cover the whole life cycle of NPP. Bureau Veritas Finland is supported by the knowledge of the Bureau Veritas worldwide network, which can provide technical experts and a wide experience in any industrial projects with full scope.

The services can be tailored to meet the client or project needs.



### Areas of core competence

Design, engineering, manufacturing, installation and maintenance of electrical automation for industrial applications, industrial digitalization and data management.

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Mikko Tanner, Project Manager, Installation Division mikko.tanner@insta.fi



# Insta Automation Oy

We are a front runner in automation, electrification, and secure digitalization. Our unique solutions help our customers in Finland and internationally to strengthen their competitiveness by improving productivity, security, and reliability. Our competence combines in-depth know-how and customer understanding with the latest expertise in industrial digitalization, analytics, and machine learning.



# RAMIRENT

### Areas of core competence

installation, delivery Planning. and transportation of scaffolds and weather shelters. Scaffolding and related legislation training.



Mika Eskola, Senior Advisor mika.eskola@ramirent.fi



www.ramirent.fi



+358 20 750 200

# **Ramirent Finland Oy**

Ramirent is a leading service company offering equipment rental, scaffolding and weather protection for construction, installation and logistics services, are one of Ramirent's strengths. Our mission is to help our customers gear up on safety and efficiency by delivering great equipment and smooth service with a smile. Ramirent Group employs 3,000 people in nine Nordic and Eastern European countries. There are about 600 Ramirent employees in Finland. Ramirent is part of the







www.sparal.fi/

+358 50 353 1960

# **AB Sparal Oy**

Ab Sparal Oy has been a family business in the demolition industry since 1986, diamond drilling and sawing works. We reliably perform large main contracts as well as small gigs for private individuals, municipalities, construction companies and industry.



**KKK** palvelu

### Areas of core competence

Feasibility studies, nuclear new build, SMR, site evaluation, licensing, safety analyses, O&M, plant upgrade, digitalization, project and quality management, decommissioning and waste management.



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S

# RTK palvelu Oy

RTK-Palvelu Oy is a Finnish property services specialist with 50 years of experience. We have more than 3 000 professionals at your service, who take care of various types of real estate and means of transport all over Finland.

Ourcustomersinclude industrial companies, hotels, ships, harbours and demanding commercial properties. Customer focus and continuous improvement are strongly reflected in our values. Our comprehensive and certified services

guarantee a high experience is always the most important!



### Areas of core competence

Rental and assembly of scaffolding and weather protection systems together with services. Our strengths include versatile industry expertise, long client relationships and competent, local personnel, and focusing on scaffolding and weather protection.



# Telinekataja Oy

Telinekataja Oy is the leading Nordic expert in scaffolding, weather protection and other temporary structures. We design and deliver solutions for repair, new buildings and infrastructure construction, for the needs of industry and energy producers, and machine and equipment installers. We provide comprehensive and high-quality scaffolding services to sites in the energy, forestry and chemical industries, as well as to other types of industrial sites. As the contracting partner of several industrial

for successful annual maintenance and maintenance shutdowns, and understand the importance of staying within the agreed







Marketing and sales, contract negotiation, Solutions on engineering, design and manufacturing, ageing management, safety and reliability. Nuclear legislation, regulation and safety requirements.

 Rauno Rintamaa, Managing Director rauno.rintamaa@clenercon.fi
 www.clenercon.fi

+358 40 501 5184

# **Clenercon Oy**

Our focus is to support the integration of all relevant issues important in the business of clean energy technologies and systems. Our key services include:

- Surveys and presentations in the areas of our core competence.
- General advice on the strategic directions of clean energy technologies and systems.
- Advice on the nuclear regulation and the conformity assessment of structures and components to meet safety requirements
- Lectures and education courses to the needs of a client.





### Areas of core competence

Nuclear scope audits, assessments and evaluations Management systems, Quality assurance/inspections Quality system and Business consulting



# ACIS Ari Greus Ltd.

Management system audit programs, technical inspections using following

- ISO 9001/14001/18001
- IEC 60034
- PED, ASME
- ASME NQA-1
- YVL-guide

- Other Customer specified requirements





### Areas of core competence

Nuclear safety. Nuclear engineering and technology. Nuclear development and training. International cooperation.





# **Contracon Oy**

Consulting services: Nuclear safety. Nuclear engineering and technology. Nuclear development and training. International cooperation.





Testing, Inspection, Quality & Supplier control, Certification, Training & Technical consultancy



www.kiwa.com/fi/fi

+358 10 521 600

# Kiwa Inspecta Oy

Kiwa Inspecta offers a broad range of testing, inspection, certification, consulting and training services with operations in the Nordic and Baltic region. Kiwa Inspecta supports all nuclear clients to achieve their safety, quality and sustainability targets during all phases of the NPP projects and life cycle. We deliver non-destructive testing (NDT) services and resources to projects and outages. We develop and qualify new methods to support reliable plant operations. Inspection services cover a range of equipments and systems, including third-party design reviews. We certify management

systems, products and personnel. Our consultation

experts support

projects.



### STUK $\bigcirc$ INTERNATIONAL

Leena Jylhä, Chief Operating Officer

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Jukka Sovijärvi, Project manager

### Areas of core competence

Nuclear and radiation safety expertise.





+358 44 710 2060

www.stukinternational.fi

# **STUK International** Ltd.

STUK International Ltd. is a Finland stateowned company that offers services aiming for global nuclear and radiation safetv.

- long-term partnerships to support authorities worldwide

- advisory services - consulting services



# **Rajalimes** Oy

### Areas of core competence

Business arrangements, design and developing industrial processes and approaches, board of directors services, assets pricing

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¢ +358 50 591 2022

# **Rajalimes Oy**

company, providing high-quality, professionally implemented services tailored to the customer's need. Company offers services related to the energy







# barana

### Areas of core competence

Personnel Services and Development, Recruitment, Staffing, International recruitment, Outplacement, Vocational Rehabilitation



# Juho Nojonen, Divisional Director

www.barona.fi/en/

+358 20 198 3460

# **Barona Industries** Ltd

Barona is a multi-industry full-service HR service provider. The Barona story began within the construction industry, but has since evolved into logistics, industry, IT, customer care, sales, HR and finance operations. Barona provides its clients with HR services and solutions to meet needs at all stages of working life. Barona has a nationwide office network in

Finland. Barona also operates in Sweden, Norway, Poland Spain, Estonia and Russia.



OTHERS



### Areas of core competence

Process industry, including but not limited to nuclear, pulp & paper, pharmaceutical, wastewater, mining and food & beverages industry.

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altumtechnologies.com/

Markus Eklund, CSMO markus.eklund@altumtechnologies.com

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**Altum Technologies** 

Altum Technologies was founded in 2016 in Helsinki, Finland, to increase the production and energy efficiency of process industries and to make industrial processes more environmentally friendly. We have carried out 100+ installations worldwide. Altum Technologies' Zero Process Downtime (ZPD) solution can be used for dose reduction, hot spot removal and cleaning and maintenance of process equipment at both operational nuclear





Driver of business and industries BusinessOulu promotes the prosperity and competitiveness of companies in the Oulu region with the ultimate goal of creating new jobs. We act as a connecting link between various local industry and business networks. BusinessOulu is owned by the City of Oulu.



# BusinessOulu, City of Oulu

### Areas of core competence

BusinessOulu is the biggest business development unit in Northern Scandinavia. We provide business contacts, area information, relocation and invest-in services for companies. Whether in need of move-in-ready office premises or a large plot of land for your company's use, we help you find the best solution. Our database includes hundreds of companies in Oulu.

BusinessOulu can help you find loca business partners.





CFCI promotes member companies' business and high-quality construction by observing the needs of the environment and society.



+358 91 299 1

www.rt.fi

# **Confederation of Finnish Construction Industries RT**

Three-quarters of Finland's national wealth lies in the built environment. The construction industry provides jobs for a quarter of a million people and the construction sector output is almost 29 billion €. CFCI is the central organisation representing over 2600 companies of building construction, construction

product industry, infrastructure.

and HPAC

surface contractors contractors.



### Areas of core competence

Staffing services, Recruiting, International recruiting, Personnel assessment, Executive search. Organisational development, Finnish employment law consulting



eezy.fi/en/

+358 50 433 7297

# **Eezy Group**

Eezy has been established in 1988 and it is the most versatile operator in the human resources sector in Finland. Eezv's group revenue in 2023 was EUR 219 million and Eezy's share is listed on the Helsinki Stock Exchange. We have 52 offices, 6000 client companies and 25 000 employees. Our services range from short term personnel rentals to high-profile managerial recruiting and organisational development, making sure

we can satisfy any and all HR needs our customers might have.



# econia

### Areas of core competence

Experienced and reliable partner for foreign subcontractors. We offer financial administration (payroll, accounting, company set-ups). local representative for posted workers, tax counselling (VAT and permanent establishment), interpretation of Finnish Contractors liability act and collective agreements, temporary staffing and recruitment services and employment outsourcing services.

# 

Heimo Alatalo, Director, **International & HR Services** heimo.alatalo@econia.com

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econia.com/en

+358 50 527 9444

# Econia Ltd.

ECONIA is your partner in investing and entering the Finnish market. We offer international business services, such as financial administration, human resources, and a local representative service under the same roof. Our rocksolid experience from international industrial projects and knowledge of local legislation will aid you to fulfill all your obligations under Finnish law.





### Areas of core competence

Construction and maintenance of nuclear power plants, renewable energy e.g., construction of on- and offshore windfarms, industrial services for production plants, mobile and fixed network services.



**Jukka Luotolinna** Head of Sales, Industry Division jukka.luotolinna@enersense.com

www.enersense.com

+358 29 020 011

# Enersense **International Oyj**

Enersense is providing green energy services for the implementation of a zero-emission and energy self-sufficient society on a broad scale. Enersense is strongly involved in creating a zeroemission society by being a pioneer in these changing times. Our versatile services help bring success to Nordic and international companies in the industry, energy, telecommunications and

construction sectors. Our goal is to be our customers' primary and versatile partner during the energy revolution.



# 

### Areas of core competence

Industrial support in the nuclear energy field, such as marketing, training, project coordination, event arrangements and communication services.



www.finnuclear.fi



+358 44 710 2062

# **FinNuclear Oy**

FinNuclear Oy is a company fully owned by FinNuclear Association for the purpose providing services to Finnish nuclear energy industry.

The company's main activities are to provide training, marketing support and project coordination services. FinNuclear Oy may also engage in other tasks such as publications, \_\_\_\_\_

and consulting.



# kumura

### Areas of core competence

Extensive experience in developing project and project portfolio management processes and competences in nuclear industry.

markku.aarni@kumura.fi

Markku Aarni, Consulting Director



Juuso Äikäs, Client Executive juuso.aikas@kumura.fi

www.kumura.fi

# Kumura Oy

We care about people and projects! We are a house of +50 project management and leadership professionals. We're committed to both projects and the people. Yours and ours. With vast experience behind us, we've learned that when everyone involved with the project feels motivated and understands its purpose, the project will be more successful.

We're here to help you to succeed in your projects in three different levels:

 Project management services
 Project management development services
 Project management competence services



# framatome

With 14,000 employees worldwide, every day Framatome's expertise helps its customers improve the safety and performance of their nuclear plants and achieve their economic and societal goals.



### Pekka Sahlberg

pekka.sahlberg@framatome. com

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www.framatome.com

# Framatome

reactor services.

Framatome is a major international player in the nuclear energy market recognized for its innovative solutions and valueadded technologies for designing, building, maintaining, and advancing the global nuclear fleet. The company designs, manufactures, and installs components, fuel and instrumentation and control systems for nuclear power plants and offers a full range of





### Areas of core competence

Consultancy and personnel support services covering a range of nuclear expertise — including but not limited to operational radiation protection, radiological engineering, ALARA assessment, radiological decontamination, radwaste characterization & management, radiochemistry analysis, and technical training services.

Axe Bus

Axel Monto, Project Manager, Business Development Lead axel.monto@nutronic.fi

Jarno Tuominen Regional Sales Engineer (Finland) jarno.tuominen@nutronic.fi

www.nutronic.se/

# Nutronic Nuclear Services

Nutronic is an internationally operating group specializing in radiation protection services and instrumentation for nuclear technology applications. The Nutronic line of radiological instruments has been manufactured at the company's headquarters in Gavle, Sweden, since 1996. This core proficiency in radiation detection and measurement disciplines extends over a range of services across several fields of expertise. To date, Nutronic has

resourced over 600,000 man-hours of on-site services for nuclear licensees during all stages of the NPP life cycle.





Diesel engine MRO Gas turbine MRO Industrial gas turbine MRO Engine testing On-site services Repair development Fuel equipment, governors, other auxiliaries



### Anita Korsberg, Senior Sales Manager anita.korsberg@patriagroup.com

Ville Leuku, Product Manager ville.leuku@patriagroup.com



www.patriagroup.com

# **Patria Aviation Oy**

Nuclear power plants' diesel generators maintenance and repair services.



### RAAHE REGION DEVELOPMENT

### Areas of core competence

Raahe Region Development provides assistance in starting up business operations. planning of funding, internationalization, business location services and creates cooperation between companies and organizations.

www.raahenseudunkehitys.fi





+358 40 135 6750

# **Raahe Region Development**

Are you considering starting a business in Raahe or the Raahe District? Do you need help in obtaining funding, marketing or internationalization? Are you looking for new commercial space in the area? Raahe Region Development will serve as your adviser in these and all other matters dealing with business.



# Prizztech

### Areas of core competence

Prizztech Ltd excels in orchestrating development projects and programmes that foster business development and strengthen business networks. With a particular emphasis on innovation networks and ecosystems, our expertise spans several special themes including automation and robotics, bio and circular economy, energy solutions, technology metals, business growth and development, welfare technology, and the event industry.



Jarkko Vuorela, Director, Green Growth

www.prizz.fi/

+358 26 205 300

# **Prizztech Ltd**

For 35 years, Prizztech has been a key player in the world of innovation environments working to improve business performance and competitiveness. Prizztech helps organizations to prosper by providing them the entire spectrum of business operations, from conceptualization to establishment, followed by expansion and international outreach. The company operates as an impartial, non-proft organization of experts in business development, research and project management. Prizztech is a member of

Finnish Association of Regional Development Agencies.





Teknologiateollisuus

### Areas of core competence

Industrial policy, innovation system, education and labour market policy, the Federation represents the Finnish technology industries.



# Technology **Industries of Finland**

Technology Industries of Finland is the biggest industrial organisation in Finland. It has about 1800 members representing five branches: electronics and the electrotechnical industry. mechanical engineering, metals industry, information technology and consulting & engineering. Technology Industries correspond to 75 % of the private research and development funding in Finland and 50 % of total Finnish exports. There are 280 000 directly employed in the sector and the total employment effect is 700 000 equalling 30 % of the Finnish workforce. The mission of the

Federation is to build growth and success. A competitive technology industry is the basis for growth of Finnish economy, employment and welfare.





Feasibility study, New built evaluation and bidding phase, Project implementation, Construction phase, Commissioning and training, Radioactive waste management, Outage planning, Safety culture, Training

### Ari Leppänen, Managing Director ari.leppanen@tvo.fi

Tommi Kokkala, Sales and Marketing Manager tommi.kokkala@tvo.fi

### www.tvo.fi/tvons.html

# **TVO Nuclear Services** Oy

TVO Nuclear Services Oy (TVONS), a subsidiary of Teollisuuden Voima Oyi (TVO), leverages the expertise of TVO's professionals and partners to offer consultation and development services. Our mission at TVONS is to share TVO's extensive 50-year legacy in the nuclear industry with our clients.

Our mission at TVONS is to share TVO's extensive 50-year legacy in the nuclear industry with our clients.



### Areas of core competence

Reactor physics, transients, DBA, severe accidents, structural integrity, plant life management, material performance, radwaste management, radiochemistry, Safety culture, HFE, I&C, PRA, SMR's, fusion

### Matti Paljakka, Solution Sales Lead matti.paljakka@vtt.fi

**Erika Holt, Customer Account Lead** erika.holt@vtt.fi



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# **VTT** Technical **Research Centre of Finland Ltd**

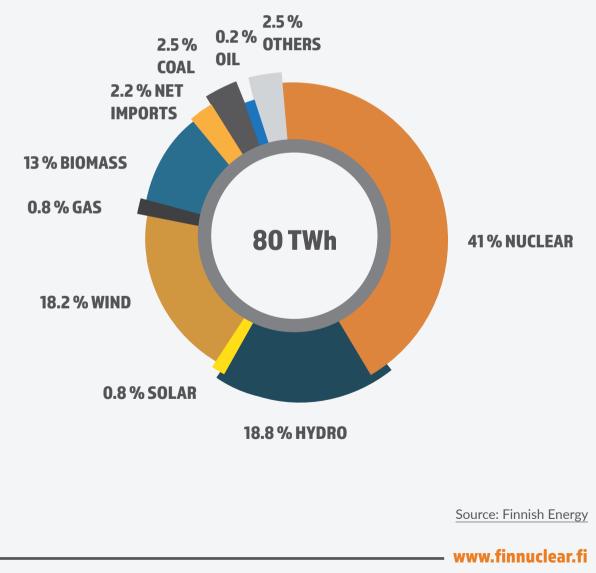
VTT provides solutions and contract research to nuclear regulators and industry players. Our services include nuclear safety analyses, feasibility analyses and licensing support to newbuilds, plant life management, decommissioning, radwaste management, and new technologies, e.g. SMR's.

We are a global leader in the development of nuclear waste management and disposal systems. We

have a modern hotlab for irradiated material studies. We are also ready to discuss Al. robotics or cyber

# **Nuclear Power in Finland's Energy mix**

In Finland, significant proportions of electricity are generated by nuclear power. hydropower and co-generation with either district heating or industry. Finland has ambitious goals related to climate change mitigation and to become carbon neutral by 2035. Alongside the renewable energy sources, **nuclear energy is seen as a key** part of the fossil-free energy mix. There is keen interest in developing small modular reactors and non-electric uses of nuclear energy for district heating as well as for the production of industrial heat, hydrogen, chemicals and synthetic fuels. The diagram below presents the Finnish electricity production by energy source and net imports in 2023. 94 % of the electricity production in Finland was carbon neutral in 2023 (imports excluded).



security.

# **Nuclear Energy in Finland**

### **OLKILUOTO, EURAJOKI**

Owner: Teollisuuden Voima Oyj Reactor units 1&2: BWR 2 x 890 MWe (net) Reactor unit 3: PWR 1600 MWe Operation started: 1979, 1982, 2022 Production: 24.67 TWh (2023) Load factor: 91.9 % (Unit 1 & 2, 2022) 75,2 % (Unit 3) Repositories for LLW & ILW

# SPENT FUEL FINAL DISPOSAL, ONKALO®

- Owner: Posiva Oy

  Under construction &
  operation license application
  phase
- The final disposal of spent nuclear fuel is scheduled to start by 2025.

### FIR1 RESEARCH REACTOR, OTANIEMI, ESPOO

Owner: VTT (Technical Research Centre of Finland) Operation started: 1962 Thermal Power: 250 kW Shut down: 2015 At decommissioning phase

# Research reactor under planning, LAPPEENRANTA

LUT University have signed a Memorandum of Understanding (MOU) with Seattle-based Ultra Safe Nuclear Corporation aiming to deploy a micro-modular reactor (MMR®) as a research and test reactor in the city of Lappeenranta, Finland.

### HÄSTHOLMEN, LOVIISA

Owner: Fortum Oyj Reactor units 1&2: PWR 2 x 507 MW Operation started: 1977, 1981 Production: 3.99 TWh (Unit 1, 2023) 4.10 TWh (Unit 2, 2023) Load factor: 91.06 % (2023) Repositories for LLW & ILW

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# The future of decarbonisation

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Leading expertise covering the entire life cycle of nuclear energy

Learn more about our services for nuclear energy:



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FinNuclear Member of the year 2023