



## CATALOGUE OF THE FINNISH COMPANIES

<p><b>INRAY</b>, <a href="https://inray.fi/es">https://inray.fi/es</a></p> <p>Inray provides measurement systems utilizing advanced X-ray technology to enhance the efficiency of energy production, bio-refineries and pulp mills.</p> <p><b>FUELCONTROL® - SOLID FUEL QUALITY CONTROL SYSTEM</b></p> <p>The system measures in real-time the quality of solid fuels using X-ray technology. It produces real-time moisture and foreign matter data that can be utilized in e.g., fuel pricing, process optimization and protecting of process equipment. The system is ideal for medium-sized and large power plants, fuel suppliers, and bio-refineries who wish to improve their production. Systems are in use in several biopower plants with the size range of 50 to 400 MWth.</p> <p>Benefits for the customer:</p> <ul style="list-style-type: none"> <li>• Savings in fuel expenses</li> <li>• Improved plant efficiency</li> <li>• Reduced O&amp;M costs</li> <li>• Reduced manual work</li> </ul> <p><b>Looking for:</b> Energy companies and EPC companies that plan and design bioenergy plants.</p> <p><b>Availability for meetings:</b> 21-23 September 2021 (onsite/online)</p> <p><b>Contact:</b> Mika Muinonen, sales director  Mobile: +358 50 3509071  Email: <a href="mailto:mika.muinonen@inray.fi">mika.muinonen@inray.fi</a></p>	
<p><b>PROMETEC</b>, <a href="https://prometec.fi/en">https://prometec.fi/en</a></p> <p>Prometec's Q Solution is a groundbreaking industrial biomass analysis system that improves energy industry efficiencies by enabling annual savings of up to 5%. Fully automated Q-Robot is a patented sampling solution that takes representative samples of the whole load quickly and accurately, improving sampling efficiency and quality management. Q-Robot has revolutionized the sampling and quality management of our customers such as heat and power producers, pulp mills, biorefineries, and pellet producers who work in several different areas of industries.</p> <p><b>Looking for:</b> Power plants using biomass and EPC companies that plan and design bioenergy plants.</p> <p><b>Availability for meetings:</b> 21-22 September 2021 (online)</p> <p><b>Contact:</b> Timo Huotari, head of international sales  Mobile: +358 44 321 3049  Email: <a href="mailto:timo.huotari@prometec.fi">timo.huotari@prometec.fi</a></p>	

## VAISALA, <https://www.vaisala.com/en/industries-applications/biogas>



Vaisala provides measurement instruments for biogas production and quality control.

- CARBOCAP® MGP261 Multigas Probe for Methane, Carbon Dioxide and Humidity helps in improving the process and in protecting the Combined Heat and Power (CHP) engine. [More information](#).
- CARBOCAP® MGP262 measures the methane concentration in offgas from the biogas upgrading unit. [More information](#).

**Looking for:** Local partners in Spain/Portugal in the field of biogas & biomethane production.

- Waste-water treatment plants
- Biogas and biomethane operators
- Companies that sell measurement instruments to biogas and biomethane operators.
- Companies that provide service and maintenance to plants.
- Engineer/design companies, e.g. Grupo Cobra, Acciona, Estruagua

**Availability for meetings:** 21-23 September 2021 (online)

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## NIRAFON, <https://nirafon.com>

Nirafon specializes in engineering, production and installation of acoustic cleaning systems and devices.

With 35 years of experience Nirafon acoustic cleaning system keeps boilers, channels, heat exchangers, silos, cyclones, filters, and fans clean and enables the process to continue smoother without interruptions. Acoustic cleaning doesn't cause any damage to the structures, no erosion, corrosion or mechanical wear.

**Looking for:** Bioenergy plants, e.g. Greenalia, Forestalia and Smurfit Kappa. Also interested in meeting power plant suppliers.

**Availability for meetings:** 21-23 September 2021 (onsite)

**Contact:** Pauli Jokela, Managing Director  
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## CLEAN STEEL, <https://cleansteel.fi>



**Clean Steel**

Clean Steel is specialized in boiler efficiency improvement. We are experts in heat transfer fouling control.

The core of the company is Smart Blasting – cleaning method:

- ▶ removes all the slag from heat transfer surfaces
- ▶ helps lowering corrosion level
- ▶ slows down fouling process in the future (chrome oxide surface)

Smart Blasting minimizes the problem of fouling and enables to run boiler more efficiently for longer period. Smart Blasting will usually take 48-72 hours and service will be provided at annual outage. Identified boiler efficiency improvement 5-25%.

Co-operation with all major boiler manufacturers (Valmet, Andritz, Sumitomo) - Pulp & Paper, W2E companies & local energy producers

Market Leader in Finland - 80 cleaned boilers in 2020 (e.g., UPM, Stora Enso, Metsä Group)

International Customers: Montes del Plata (Uruguay), Spain (Ence), France (Smurfit Kappa), Sweden (SCA)

### Looking for:

- Companies that operate in the pulp & paper industry
- Waste to energy sites
- Local biomass energy producers

The company has already cooperation in Spain with Ence (Navia production unit) and Enso Energy (Garray)

**Availability for meetings:** 21-23 September 2021 (onsite)

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## ARTASFIN, <https://artasfin.fi/en>



**ARTASFin**

ArtasFin is a Finnish daughter company of ARTAS Group. ArtasFin markets and delivers environmental technology and expertise of parent company ARTAS and its partners.

The company offers containerized biogas plants for smaller needs and delivers components to large scale biogas plants. ARTASFin offers also biological sulphur removal systems.

**Looking for:** TBC

**Availability for meetings:** TBC

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**KPA UNICON, <https://www.kpaunicon.com>**

KPA Unicon is a Finnish company that has been an advocate of clean, renewable energy since 1990. KPA Unicon creates and implements new clean energy solutions around the world. It will also reform existing production systems with renewable energy technologies and equip energy producers with innovative digital tools. The company aims to lead the discussion in favour of clean energy and to provide added value to its partners. The company is head office in Pieksämäki, Finland and employs 210 energy professionals in eight different countries.

**Looking for:** The company is interested in projects >10MW.

- Bioenergy project developers/designers in the field of electricity/heat and/or steam production from biomass and/or waste, e.g., construction companies or engineer companies.
- Industrial heat/steam users, e.g., paper and/or pellet factories and sawmills.
- Companies that design/develop district heating projects.

Interested in making contact with the following companies: Grupo Neoelectra, Grupo TSK, Eleukon, Ingeteam, Smurfit Kappa, Ercros (that just announced a big investment of moving from natural gas to bioenergy).

**Availability for meetings:** 21 Sept 2021 and morning 22 Sept 2021 (onsite) - preferably meetings on 21 Sept 2021

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