



RELIABLE AND EFFICIENT POWER GENERATION

POWER BOILERS

ANDRITZ

ENGINEERED SUCCESS



ENGINEERED SUCCESS



AUGMENTED REALITY CONTENT

To present videos, illustrations and picture galleries in a more direct and lively way, we have added augmented reality to this article. View video footage of this report in our augmented reality app! Download our ANDRITZ AR app from our website or in the AppStore/PlayStore!

Scan the marked pages and experience the enhanced content.



FLUIDIZED BED BOILER TECHNOLOGY 4

EcoFluid BUBBLING FLUIDIZED BED (BFB) BOILER 6

PowerFluid CIRCULATING FLUIDIZED BED (CFB) BOILER 8

GRATE-FIRED BOILER TECHNOLOGY 10

BioSol - WATER COOLED VIBRATING GRATE BOILER 12

FlexSol - WATER AND AIR COOLED RECIPROCATING GRATE BOILER 14

SELECTED REFERENCES 18

METRIS BOA (BIG DATA, OPTIMIZATION, AND ANALYSES) 20

Discover the world of digital transformation. Operator dashboard to analyze, optimize, and advise.

POWER PLANT SERVICE 22

Full steam ahead – ANDRITZ expertise for your plant's entire lifetime

ANDRITZ EcoFluid BOILER / Montes del Plata, Uruguay

Fluidized bed boiler technology – Decades of experience

ANDRITZ is a leading supplier of plants based on Bubbling Fluidized Bed (BFB) and Circulating Fluidized Bed (CFB) technologies for boilers. The different technologies are distinguished by capacity, fuel, and application.

Excellent mixing and heat transfer make fluidized bed technology ideal for a wide range of applications. A variety of clean biomass fuels (bark, agricultural, forestry, and sawmill residuals) can be combusted, as well as many other fuels (demolition wood, refuse-derived fuels, peat, various sludges, etc.) and various types of waste.

BFB TECHNOLOGY

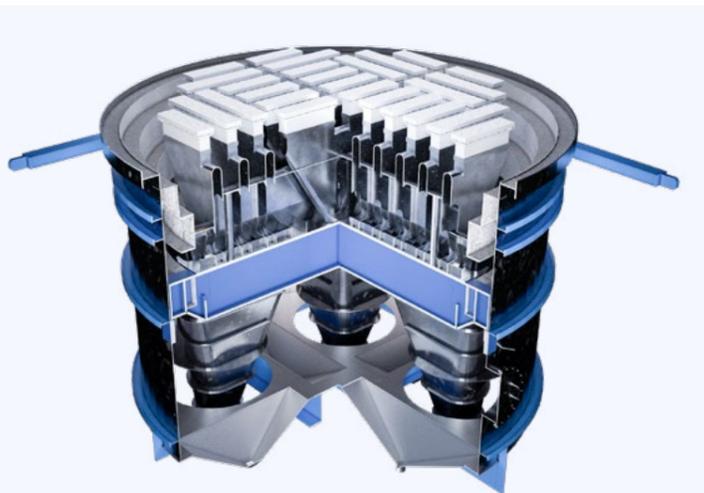
In a BFB unit, the fuels are fed in above the hot fluidized bed surface. BFB systems operate at a moderately low fluidization velocity and under controlled temperature conditions. Thanks to the large heat capacity of the fluidized bed material, which is mostly sand, the combustion conditions are ideal for biomass and recycled fuels with varying moisture contents. In many installations, various fuels are fired simultaneously.

CFB TECHNOLOGY

With CFB technology, the flue gas velocity in the furnace is higher and the bed is expanded and entrained with the flow. The bed material flows with the flue gas through the furnace, after which the material is separated by cyclones and returned to the lower furnace. CFB technology also allows an extremely wide range of fuels to be fired in the same unit. The efficient mixing and relatively low combustion temperatures contribute to low emissions of carbon monoxide, hydrocarbons, and nitric oxides.



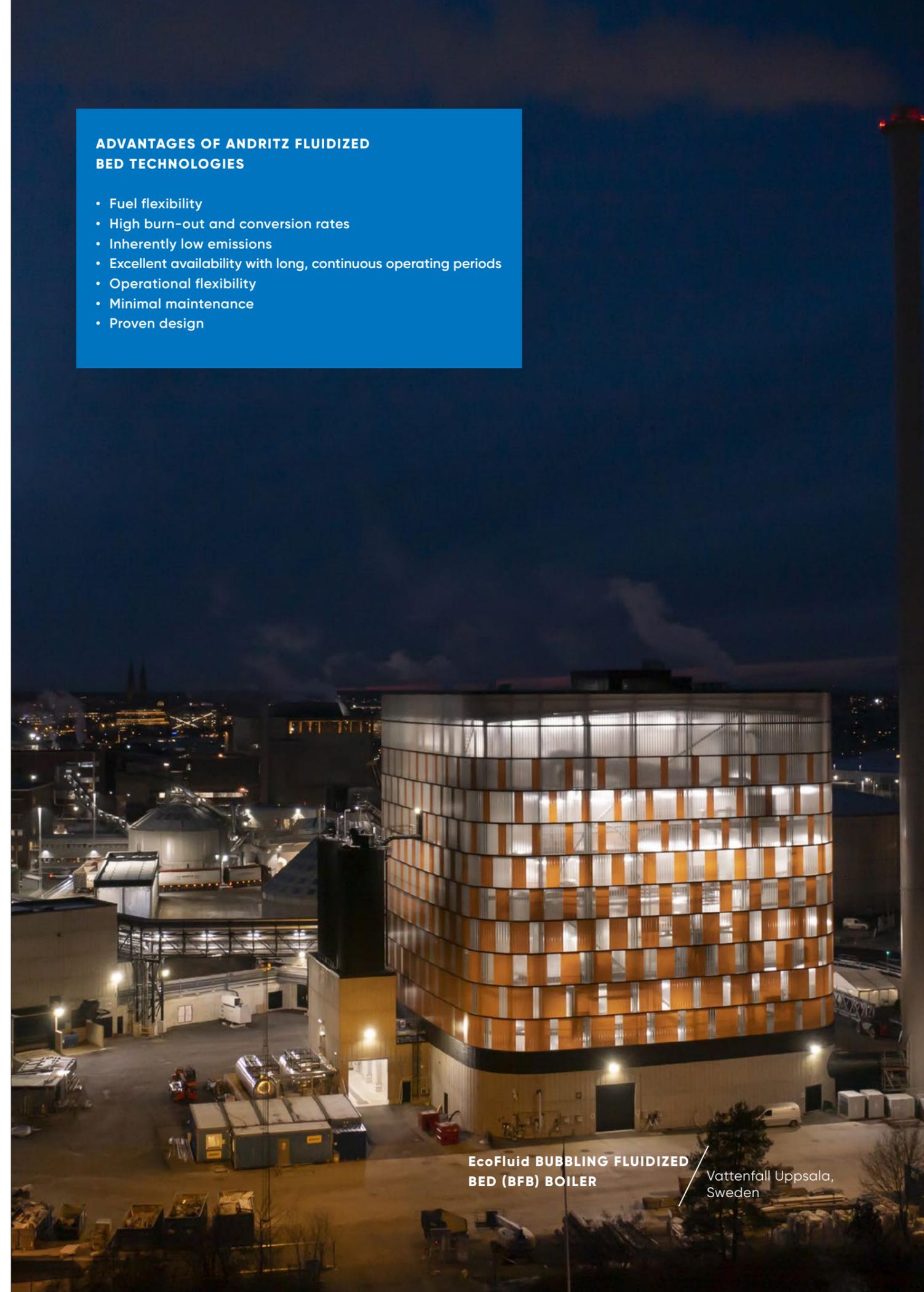
ANDRITZ PowerFluid waste boiler



ANDRITZ open nozzle grid

ADVANTAGES OF ANDRITZ FLUIDIZED BED TECHNOLOGIES

- Fuel flexibility
- High burn-out and conversion rates
- Inherently low emissions
- Excellent availability with long, continuous operating periods
- Operational flexibility
- Minimal maintenance
- Proven design



EcoFluid BUBBLING FLUIDIZED BED (BFB) BOILER

Vattenfall Uppsala, Sweden

EcoFluid BFB boilers

Generating power from renewable fuel sources – the fuel flexibility of an ANDRITZ EcoFluid boiler is an inherent feature.

FLEXIBLE SOLUTIONS

In addition to typical biomass fuels such as wood (chips, bark, forest residues, and sawdust), more recently short-rotation energy crops, sludges, rejects, agricultural wastes, and Refuse Derived Fuels (RDF) have been introduced as fuel sources. Common characteristics for these fuels are their high volatile matter content and substantially varying moisture content. These alternative fuels require certain considerations in design as well as in the steam output parameters. ANDRITZ has technical solutions for a broad range of fuels that can be burned in an EcoFluid boiler.

SCALABLE AND RELIABLE

EcoFluid boilers can be either top- or bottom-supported, depending on the desired capacity and site conditions.

Scalability and ease of construction are enhanced because the main boiler components are designed as modules. Arrangement of all heating surfaces is tailored to the customer's requirements. The boilers are conservatively designed with regard to materials of construction, location and spacing of heat surfaces, to ensure high plant availability and low maintenance requirements.

An important feature of the boiler is the design of the fluidizing nozzle grid, which distributes the primary air and drains inert, coarse material such as rocks and other impurities. These materials can cause disturbances in bed fluidization if not removed from the furnace. The ANDRITZ fluidizing grid can be designed with a unique water-cooled or air-cooled structure, providing reliable and efficient removal of coarse material from the fluidized bed.

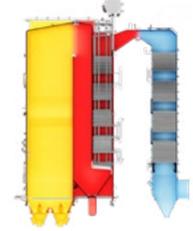
EcoFluid technology, Fortum, Pärnu, Estonia

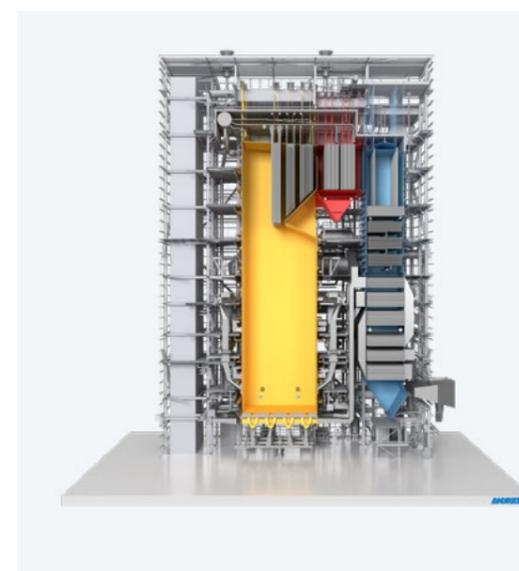
FORTUM TERREST A.S. PÄRNU, ESTONIA

Fuels	Wood, peat, and natural gas
Technical data	Steam output: 94 t/h (207 klb/hr) Steam temperature: 525 °C (977 °F) Steam pressure: 117 bar(a) (1,682 psig)
Features	SNCR and bag filter combined with sorbent injection



APPLICATIONS

	EcoFluid Bio	EcoFluid Waste
Type		
Size range	35–450 t/h 30–350 MW (fuel heat input)	15–140 t/h 10–100 MW (fuel heat input)
Main fuels	Biomass fuels, peat Secondary fuels: Sludge, agricultural residues, RDF, rejects, coal	RDF, rejects, sludge, wood waste, etc. Secondary fuels: Biomass fuels, wood, agricultural residues, coal
Steam parameters	150 bar(a) and 550 °C max. for clean biomass	65 bar(a) and 485 °C max. depending on fuel input



ADVANTAGES OF EcoFluid TECHNOLOGY

-  Wide fuel flexibility
-  High combustion efficiency
-  Low emissions
-  Low maintenance costs
-  High availability
-  Good turndown ratio
-  Fast load change rate

EFFICIENT AIR POLLUTION CONTROL

Fluidization air (primary air) supplies part of the total combustion air and creates gasification conditions in the lower furnace. The balance of the air (secondary and tertiary air) is injected higher up in the furnace to complete the combustion process. In combination with a suitable reaction time, this reduces CO emissions to low levels, while the gradual addition of oxygen also ensures minimal formation of NOx. Further NOx reduction can be achieved by injecting ammonia into the furnace. This system can also be combined with ChlorOut, a patented process (license from

Vattenfall) that reduces corrosive alkali chlorides as well as NOx in flue gases, effectively reducing fouling and corrosion of the superheaters. These measures provide enhanced steam parameters and boiler reliability using more challenging fuels, while keeping operating costs to a minimum. Particulates are removed from the flue gases in an electrostatic precipitator or fabric filter, depending on customer preference and environmental requirements. Additional emissions control can be achieved via sorbent injection to reduce gaseous emissions (SO₂, HCl, Hg, and dioxin/furans) or other ANDRITZ flue gas cleaning technologies.



PowerFluid CFB boilers

Unmatched fuel flexibility – from biomass to alternative fuels and waste products. CFB technology is the state-of-the-art technology for multi-fuel combustion.

FREEDOM OF CHOICE: MULTI-FUEL DESIGN

This enables the PowerFluid boiler to use fuels of differing quality from different sources – giving plant operators the freedom to take advantage of changing market conditions and fuel supplies.

The modular CFB design of an ANDRITZ PowerFluid boiler allows the boiler to utilize conventional and alternative fuels. The core components are standardized to deliver efficient, reliable performance.

Many features can be custom-tailored for optimal performance in each installation. In addition to firing conventional fuels (coal, lignite, and biomass), PowerFluid boilers have proven reliability in firing such fuels as biogenic residues, sludge, and rejects or waste fractions with high calorific value (RDF). These can be fired as the primary fuel or in combination with others.



OBAYASHI, KAMISU, JAPAN

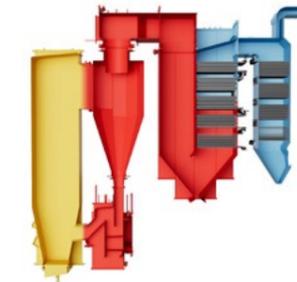
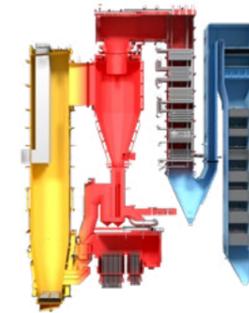
Fuels	wood pellets, palm kernel shells (PKS)
Steam output	148/137 t/h (326/302 klb/hr)
Steam temperature	543/543°C (1,009/1,009 °F)
Steam pressure	136.5/34 bar(a) (1,965/479 psig)
Features	Highly efficient reheat boiler for maximized electrical efficiency

CFB APPLICATIONS

PowerFluid Bio

PowerFluid Waste

Type

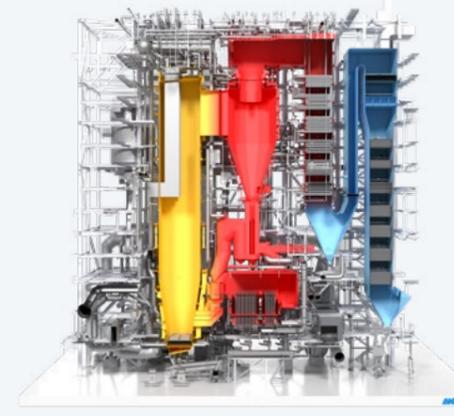


Size range	100 – 750 t/h 80 – 550 MW (fuel heat)	50 – 200 t/h 40 – 150 MW (fuel heat)
Main fuels	Biomass, coal, RDF (refuse-derived fuel), SRF (solid recovered fuel), RPF (refuse plastic fuel) Secondary fuels: Sludge, peat, coke, TDF (tire-derived fuel)	Pre-treated municipal and industrial waste, RDF, SRF, RPF, rejects, sludge (co-firing), wood waste, etc. Secondary fuels: Biomass fuels, wood, agricultural residues, coal
Steam parameters	170 bar(a) and 570 °C max. for clean biomass	85 bar(a) and 500 °C max.

The large heating capacity and turbulent intermixing of the fluidized bed compensate for fluctuations in fuel variations and maintain full combustion, even using low-grade fuels with high moisture and ash contents.

SUPERIOR ENVIRONMENTAL PERFORMANCE

The removal of nitric oxides (NOx) and sulfur oxides (SOx) is easily accomplished with CFB combustion. PowerFluid boilers can meet strict emission requirements without adding post-combustion cleaning equipment, such as flue gas desulfurization and selective catalytic reduction systems. The low temperatures and staged combustion in the furnace prevent thermal NOx formation and suppress the oxidation of fuel nitrogen – resulting in low NOx formation and high fuel burn-out rates. Low cost limestone used as a sorbent in the furnace captures the fuel's sulfur components in a simple and efficient way during the combustion process.



ADVANTAGES OF PowerFluid TECHNOLOGY

-  Exceptionally broad fuel flexibility
-  High combustion efficiency
-  Low emissions
-  Low maintenance costs
-  High availability

Grate-fired boiler technology

Available, reliable, energetic- and cost effective type of technology for the combustion of various types of fuel, such as: biomass, Municipal Solid Waste (MSW), RDF and SRF.

More than a century of experience in the design and production of boilers in one of the most modern production facilities in Europe, as well as extensive experience in design and production of boilers and design and construction of boiler islands and complete power plants, guarantees our customers a quick and efficient fulfilment of their specific energy needs, as evidenced by our numerous references.

BIOMASSE ENERGIE DE MONTSINERY, FRENCH GUIANA

Fuel	Energy cane and wood chips
Steam output	23.6 t/h (52 klb/hr)
Steam temperature	485 °C (905 °F)
Steam pressure	65 bar(a) (928 psig)

Features Complete power plant, EPC contract, Flue gas treatment with SNCR system and bag filter



BioSol – WATER COOLED VIBRATING GRATE BOILER

For all types of biomass, combustion on the BioSol water-cooled vibration grate is the optimal solution. Our vibrating grate boilers ensure high availability, lower construction and maintenance costs while meeting the permitted emission limit values.

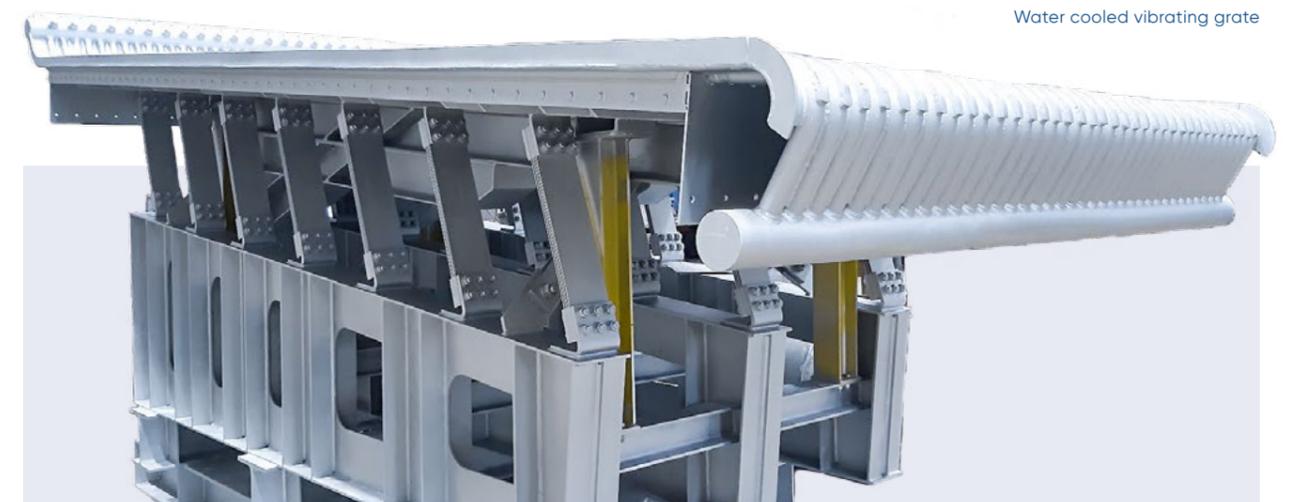
The grate is part of the circuit of the membrane wall of the boiler, in which its cooling is ensured, and this also enables the use of primary air up to 260°C, which enables optimal combustion of very moist fuels (up to 60% humidity).

FlexSol - WATER & AIR COOLED RECIPROCATING STEP GRATE

In our boilers for fuel combustion with a high ash content, such as unsorted Municipal Solid Waste (MSW), Refuse Derived Fuel (RDF) or Solid Recovered Fuel (SRF) with a lower heating value (LHV) in the range of 8 to 30 MJ/kg, we use water & air cooled reciprocating step grate. Specially designed grate pads ensure its efficient cooling, ensuring a longer life, optimal combustion and lower maintenance costs.

ADVANTAGES OF ANDRITZ GRATE TECHNOLOGIES

- Fuel flexibility
- High combustion efficiency
- Lower emission levels than those required by the European directives
- Excellent availability with long, continuous operating periods
- Operational flexibility
- Low price of manufacturing, maintenance & operations
- Proven design



Water cooled vibrating grate

BioSol – Water cooled vibrating grate boiler

Designed to deliver exceptional results while keeping maintenance costs to a minimum, this solution is perfect for a wide range of applications.

The design can be tailor-made and adapted to customer requirements and optimized for the specific fuel. Depending on the client's request the delivery scope is adjustable starting from the boiler plant to the entire power plant system (EPC) using a turnkey approach. All important boiler and boiler power plant components, such as the boiler and combustion system, are manufactured in our European production facilities. We pay special attention to the manufacturing quality and installation of the boiler power plant to ensure the high reliability and availability of the plant

throughout its entire operating life. Commissioning and maintenance are also within our professional capacity, as well as contracting of short and long-term plant maintenance (O&M).

EXPERIENCE A SMOOTH WORKFLOW WITHOUT ANY COMPLICATIONS

Our water-cooled vibration grate guarantees high availability, ensuring uninterrupted operation and boasts minimal maintenance requirements, resulting in significant cost savings. The natural circulation boiler

ENERGY 9, SLATINA, CROATIA

Fuel	Wood chips
Steam output	23.4 t/h (52 klb/h)
Steam temperature	485 °C (905 °F)
Steam pressure	72 bar(a) (1,030 psig)

Features	Complete cogeneration plant with dryer, EPCC contract with civil works
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VIBRATING GRATE CHARACTERISTICS

- Low cost of manufacturing
- Multi-fuel (biomass) combustion
- Low cost of maintenance
- High availability – absence of cast iron elements
- Fuel with a high percentage of moisture
- Better control of primary air input (supply) and burning process
- Simple maintenance and repairs – no need for special workshop and tools
- No consumption of electric energy to run cooling system pumps
- No need for sealing of grate between membrane wall headers (inclined wall headers)

design incorporates the grate seamlessly into the evaporator system. This not only enhances convenience but also ensures hassle-free startups. The grate is made of panel walls with drilled holes in the fins for the primary combustion air. It is integrated as a part of the boiler pressure water/steam cycle and connected to this by flexible connection pipes designed for vibrations.

The grate is inclined to a low angle, still allowing it to be a part of the evaporator system without the risk of steam stagnation and thereby an overheating of the membrane.

The vibrating operates in a sequence depending on the fuel, ash and boiler load. The vibration ensures a mixing of fresh and already ignited fuel. In addition, the vibration generates transport down the grate

from the reception/heating/drying zone to the area where the main combustion takes place, and finally to the cooling zone for the ashes before falling into the slag hopper.

The vibrating system is designed to operate continuously; it is important that it is reliable and has low maintenance costs. Compared to other types of grate firing systems, the vibrating system is generally simpler and has a reduced number of movable parts and cast iron elements. This results in a system that is straightforward and easier to maintain, with fewer wearing parts that need to be replaced over time.

Great care is taken to ensure that the grates can expand freely and vibrating movements will be absorbed in well-designed connection tubes.

FUELS

- Biomass:
- wood chips
 - bark
 - saw dust
 - pellets
 - straw
 - energy cane
 - bagasse
 - agro-biomass
 - forest residues



FlexSol – Water and air cooled reciprocating grate boiler

Most modern waste-to-energy (WtE) power plants utilize well-established thermal treatment technology for processing mixed municipal waste, RDF, and SRF.

With more than 20 years of experience in waste incinerator boiler projects across Central, Western, and Northern Europe, we handle the entire process from design and material procurement to production, transportation, assembly, and commissioning.

The primary components of these WtE plants typically include combustion grates equipped with air and/or water cooling systems, as well as custom-made boilers manufactured in our European facilities. Combustion grates, constructed with robust metal structures, can be built as horizontal or inclined reciprocating grates. One of our areas of expertise lies in the design of

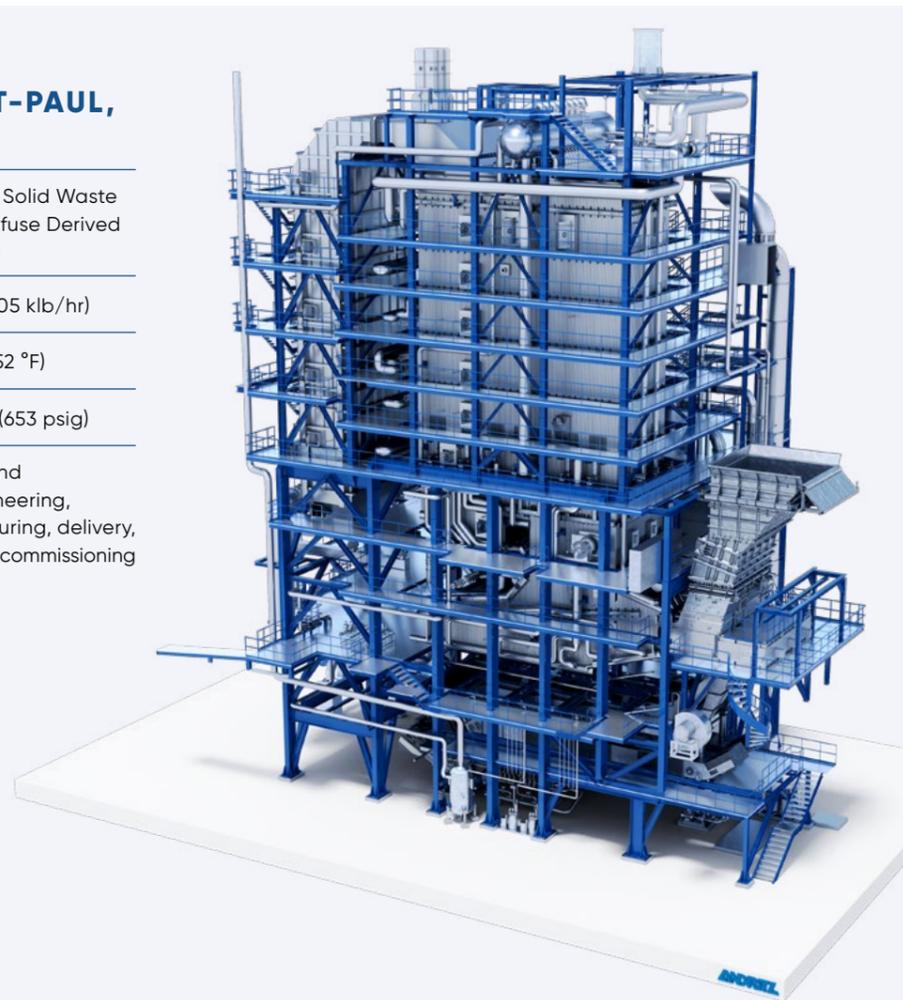
natural water/steam boiler circulation, which enhances boiler operation availability and lifespan while reducing maintenance requirements. Our designs are based on meticulous calculations, extensive experience, and engineering best practices.

Depending on the lower heating value of the fuel, the grate bars can be cooled using a water-cooling circuit, air cooling, or a combination of both. By selecting the appropriate cooling medium, the thermal and mechanical stress on the grate bars is significantly reduced. Consequently, this improves boiler availability and reduces maintenance costs.

IDEX, VILLERS-SAINT-PAUL, FRANCE

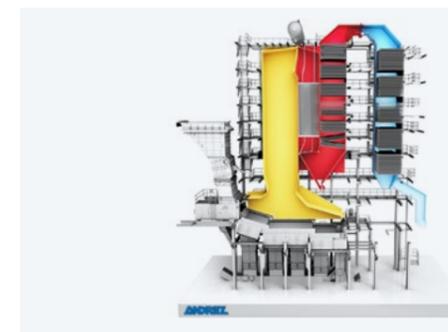
Fuel	Municipal Solid Waste (MSW), Refuse Derived Fuel (RDF)
Steam output	47.5 t/h (105 klb/hr)
Steam temperature	400 °C (752 °F)
Steam pressure	45 bar(a) (653 psig)

Features Boiler island with engineering, manufacturing, delivery, assembly, commissioning



GRATE BOILER ADVANTAGES

Wide fuel flexibility	<ul style="list-style-type: none"> • Multi-fuel combustion: Firing various fuels from biomass to different waste fuels • Large fuel moisture content variation • Large particle size variation
High combustion efficiency	<ul style="list-style-type: none"> • Low CO and TOC flue gas emissions • Low unburnt content in ash • High boiler efficiency
Low emissions	<ul style="list-style-type: none"> • Low NOx with air staging and • Low SO₂ with primary desulfurization • Low HCl and SO₂ in combination with sorbent injection and bag filter • Intense turbulence in combustion reaction zone: excellent destruction of organic and toxic components
Low maintenance costs	<ul style="list-style-type: none"> • Simple, reliable construction, low operation cost – quality components
High availability & long operating time	<ul style="list-style-type: none"> • Proven innovative boiler design, efficient heating surface cleaning, high-quality components



FUELS

- Waste wood
- Household / Municipal waste
- Refuse Derived Fuels (RDF), Solid Recovered Fuels (SRF)
- Chemical and hazardous waste
- Industrial waste

For fuels with a high Lower Heating Value (LHV), water cooling is used for the grate bars, and the heat from the cooling water can be utilized to preheat the combustion air. This enables the recovery of heat within the boiler, resulting in increased efficiency and reduced consumption of electric power and fuel.

Our ongoing efforts to improve boiler design focus on increasing steam parameters such as pressure and temperature. This results in higher overall efficiency for industrial processes in power plants, chemical plants, co-generation plants, and other industrial facilities.

In addition to improving efficiency, our boiler design also prioritizes safety. We incorporate advanced safety features and implement rigorous quality control measures to ensure the reliable operation of our boilers. Furthermore, we understand the importance of environmental

sustainability. Our boiler design includes advanced emission control technologies that effectively reduce pollutants released into the atmosphere. By minimizing emissions and adhering to stringent environmental regulations, we contribute to a cleaner and greener future.

To ensure customer satisfaction, we provide comprehensive support throughout the entire project lifecycle. From initial design and engineering to installation, maintenance, and after-sales service, our dedicated team is committed to delivering reliable and efficient solutions tailored to our client's specific needs.

At our core, we strive for excellence in every aspect of our waste incinerator boiler projects. Through innovation, expertise, and a customer-centric approach, we continue to be a trusted leader in the field, providing cutting-edge solutions for energy production from waste.

Manual welding on membrane
wall opening



We supply the power worldwide



BE-TO KARLOVAC, CROATIA
BioSol, Vibrating grate boiler
 Steam conditions: 28.5 t/h (63 klb/hr),
 480 °C (896 °F), 71 bar(a) (1,015 psig)
 Fuel: Wood chips
 Start-up year: 2020



NAVIGATOR PULP FIGUEIRA PORTUGAL
- EcoFluid BFB Boiler
 Steam conditions: 150 t/h (331 klb/hr),
 480 °C (896 °F), 82 bar(a) (1,320 psig)
 Fuel: Bark, fines, sludge
 Start-up year: 2020



STOCKHOLM EXERGI, VÄRTAVERKET,
SWEDEN - PowerFluid CFB BOILER
 Steam conditions: 467 t/h (1,030 klb/hr),
 562 °C (1,043 °F), 143 bar(a) (2,060 psig)
 Fuel: Forestry wood, bark, peat, wood
 pellets, wood dust, bituminous coal
 Start-up year: 2016



RIIKINVOIMA, FINLAND -
PowerFluid CFB BOILER
 Steam conditions: 71 t/h
 (156 klb/hr), 500 °C,
 (932 °F), 85 bar(a) (1,218 psig)
 Fuel: RDF, light fuel oil
 Start-up year: 2016



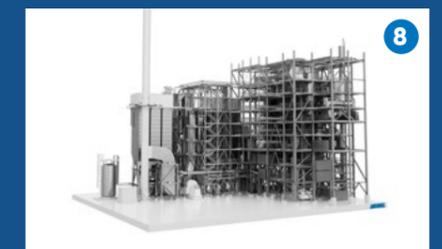
VATTENFALL AB UPPSALA,
SWEDEN - EcoFluid BFB Boiler
 Steam conditions: 126 t/h
 (278 klb/hr), 470 °C (878 °F),
 80 bar(a) (1,146 psig)
 Fuel: Woody biomass, bark,
 recycled wood
 Start-up year: 2021



BIOMASSE ENERGIE DE
MONTSINERY, FRENCH GUIANA
 Steam conditions: 23.6 t/h
 (52 klb/hr), 485 °C (905 °F),
 65 bar(a) (928 psig)
 Fuel: Energy cane & wood chips
 Start-up year: 2023



KLABIN PUMA 2, BRAZIL -
EcoFluid BFB Boiler
 Steam conditions: 220 t/h
 (485 klb/hr), 503 °C (937 °F),
 104 bar(a) (1,494 psig)
 Fuel: Bark, wood rejects
 Start-up year: 2021



EEP ASCHAFFENBURG, GERMANY
EcoFluid BFB boiler
 Steam conditions: 36 t/h (79 klb/hr),
 420 °C (788 °F), 40 bar(a) (566 psig)
 Fuel: RDF, rejects, paper sludge,
 sewage sludge, bark
 Start-up year: 2024



ENERGANA GOSPIĆ 1,
CROATIA, BioSol, Vibrating
grate boiler
 Steam conditions: 26.6 t/h
 (59 klb/hr), 480 °C (896 °F),
 65 bar(a) (928 psig)
 Fuel: Wood chips
 Start-up year: 2021



MES, ICHIHARA, JAPAN -
PowerFluid CFB BOILER
 Steam conditions: 149/134 t/h
 (329/259 klb/hr), 543 °C (1,009 °F),
 140/37 bar(a) (2,016/522 psig)
 Fuel: Palm kernel shells,
 wood pellets
 Start-up year: 2020



Metris BOA (Big Data, Optimization, and Analyses)

Discover the world of digital transformation.
Operator dashboard to analyze, optimize, and advise.

Today there is a constant need to improve and optimize boiler performance and decrease the operating and maintenance costs.

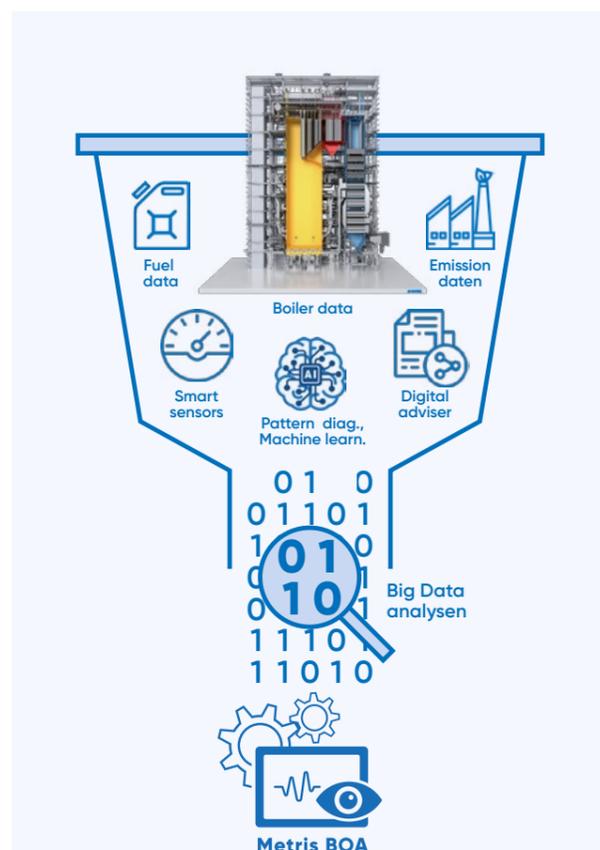
Metris BOA effectively helps to achieve these goals by supporting the operator with active status gauges, traffic lights, and trends and recommendations for the whole boiler as well as separate equipment. Metris BOA uses the DCS data to analyze and optimize the process, which is completed with additional smart sensors – so-called sentinels.

Additional apps enable the operator to operate the boiler process in an optimum way. Clear recommendations are given for the main operating improvement issues. The operator can also analyze time series and correlations between multiple measurements within the simple dashboard environment. Advanced analysis tools based on machine learning algorithms for PID controller optimization and AI technology for pattern diagnostics enhance the understanding and optimization of the complex boiler process.

The software architecture is based on micro-services with standardized communication channels. This makes it possible to tailor Metris BOA to the user's needs.

Integration of Metris BOA according to user needs. Different installation set-ups are possible:

- full scale on-site Metris BOA including hardware, dashboard user interface and back-end calculations down to
- calculation services linked to an existing customer dashboard.



WITH THE Metris BOA SMART SOLUTIONS, ANDRITZ PROVIDES A SOLUTION TO OPTIMIZE THE FOLLOWING KEY FACTORS:

-  Optimizing performance
-  Increasing reliability
-  Reducing operating costs
-  Optimizing the use of resources



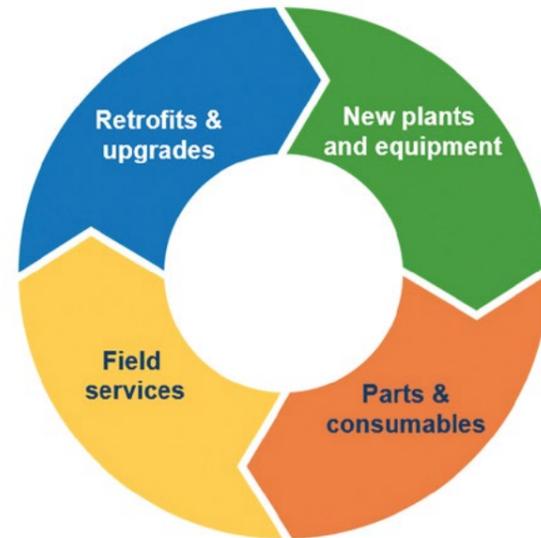
Power Plant Service

Full steam ahead – ANDRITZ expertise for your plant’s entire lifetime

Turnkey installation of a plant is one thing – lifelong operation in a highly competitive industry with stringent and changing legal requirements is another.

With ANDRITZ, you can ensure that your plant is still up and running at full power even decades after its initial start-up.

With its expert teams and holistic solutions, ANDRITZ knows how to apply state-of-the-art technology – not only to build your plant, but also to maintain your assets’ economic efficiency over their entire lifetime.

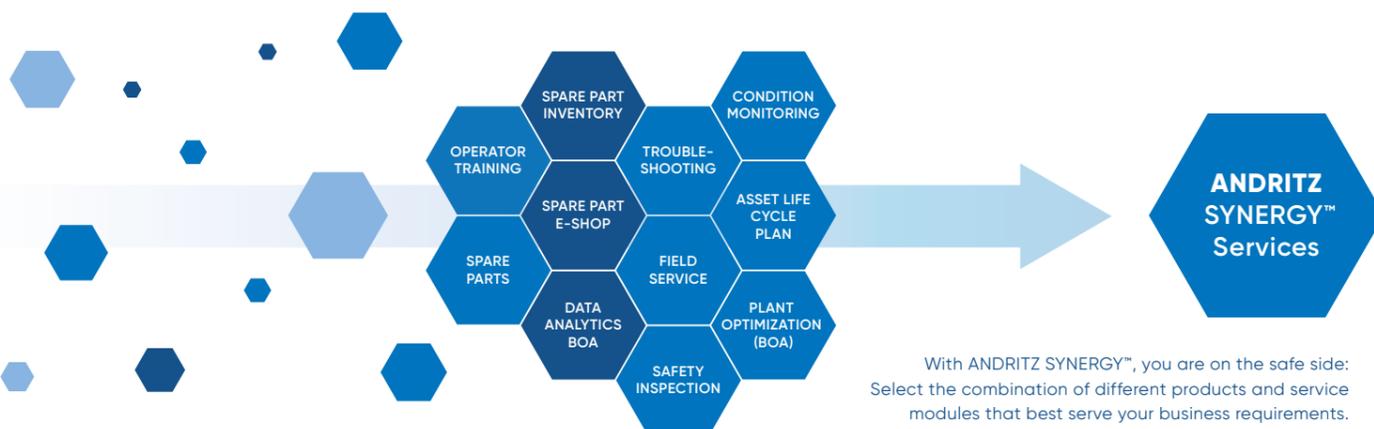


Extend asset life and reduce costs

Whether during or after your warranty period, we’ll have your customized spare parts package ready for use. This reduces your plant downtimes and increases its efficiency.

Rely on ANDRITZ’s tailor-made services, all-inclusive if you like. We can support you with preventive

maintenance, personal consulting, and field service. Whether you need maintenance and repairs, equipment and process knowledge, or spare parts, we can tackle your challenges together and keep your plant up and running over its entire lifecycle with minimum downtimes.



With ANDRITZ SYNERGY™, you are on the safe side: Select the combination of different products and service modules that best serve your business requirements.

Retrofits and upgrades by ANDRITZ Power Plant Service

Put our in-depth knowledge of fluidized bed and grate technologies and years of experience to work at your plant to get the maximum return out of your investment.

Your assets may require a technological upgrade if your business model changes or more stringent regulations are introduced. This is where our process specialists come into their own again. They are skilled in helping you to upgrade and renew the essential components of your boilers.

With a wide range of value-added services, enhancements and upgrades, ANDRITZ can improve your plant’s performance and reliability so that it measures up to the constantly changing requirements and general conditions:

- Capacity increase planned
- More flexible part-load behavior required
- Fuel change imminent
- Further reduction of emissions prescribed



YOUR BENEFITS

- Increased availability
- Reduced total cost of ownership
- Shorter and more effective shutdowns
- Longer service intervals
- Increased energy efficiency
- Minimized emissions

WE CAN BE WITH YOU IN AN INSTANT, EITHER PHYSICALLY OR THROUGH REMOTE DIAGNOSTICS.



We are passionate about engineering success for our customers: Let us help you engineer it, too!



**Excellence
in every detail**



ANDRITZ POWER BOILERS ALL AROUND THE WORLD

From biomass handling to boiler technologies and flue gas cleaning systems – a worldwide network of ANDRITZ engineers and service experts will guide you through your entire project.

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- 4 Croatia
- 5 Finland
- 6 India
- 7 Japan
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