

WE CREATE PROGRESS FROM

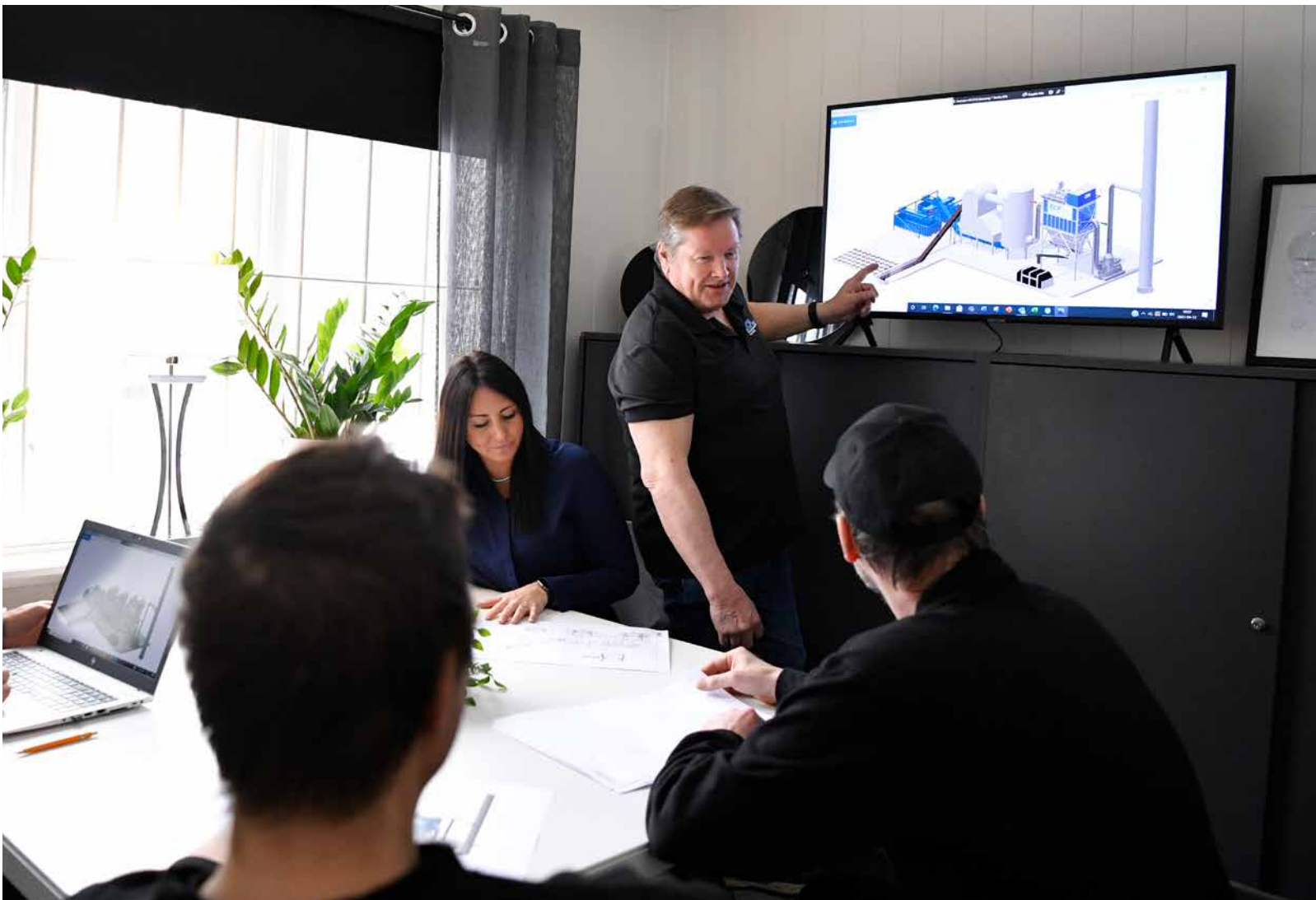
CRAFTSMANSHIP SO MORE CAN

BREATHE THE FUTURE



GREEN SOLUTIONS

ECP AirTech
Green Solutions



WELCOME TO ECP AIRTECH

ECP Airtech is a green technology business that develops, manufactures and services industrial systems for the handling of chips, pellets and ash, as well as the treatment of dust and flue gases. In our own workshop in Hagfors we manufacture everything from spare parts to new electrostatic precipitator, and we are incredibly proud to be Scandinavia's only manufacturer of electrostatic precipitator. We currently consist of around 20 associates, all with lengthy industry experience, and we have representation in six locations in Sweden – in addition to Denmark and Norway. Our customers are mainly in power and energy production, paper and pulp and the iron, steel and mining industries.

Since starting up in 2016 much has changed in a positive direction and at a high speed. Our goal is to make industry greener through sustainable solutions. As proof of successful work, in 2020 we were awarded the highest credit rating, AAA, which is unique for a company that has been in business for less than 10 years. When that is said, it doesn't change one of the cornerstones of taking pleasure in work. At ECP easygoing problem solving and craftsmanship are our hallmarks.

We are proud to say that we are a modern, successful company at the forefront, where our drive and customer focus are some of the success factors. The fact that we also have short decision making processes, great development opportunities, products that contribute to a cleaner planet and a distinct sustainability profile make us popular among both customers, suppliers and employees.

Thank you for taking the time to read this brochure, and don't hesitate to get in touch with any questions or concerns.

WELCOME TO THE FUTURE!

FROM FUEL STORAGE TO CLEAN CHIMNEY AIR

Our expertise is from fuel storage to chimneys and we assist our customers with inspections, maintenance work, emergency breakdowns and various measurement assignments to extensive upgrades and complete turnkey facilities. We are always available to help and turn out quickly regardless of what time you get in touch and wherever you are.

INSPECTIONS

Every day we help customers with inspections and status assessments of the whole or parts of the combustion plant, from fuel storage to chimney. Following inspections we review the status of the plant with the customer using our proprietary online inspection report. The inspection report includes a clear status assessment where we specify any recommendations and proposed actions that can lead to greater availability and better functionality using text and images. Naturally, we submit the report electronically before leaving the customer.

SERVICE AND AFTER MARKET

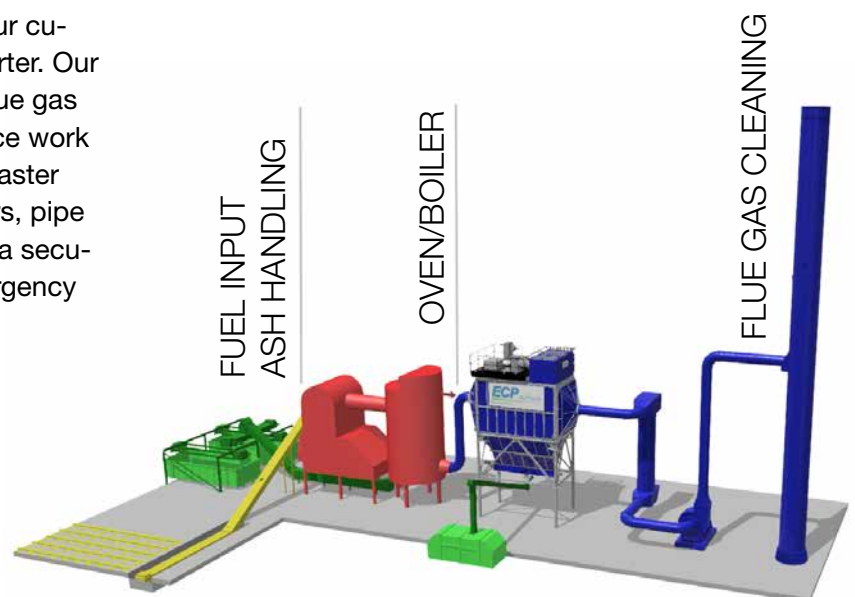
Our service departments are located throughout Sweden as well as Denmark and Norway. Our skilled service technicians and fitters have extensive experience and are used to working under pressure, as our customers' auditing periods get shorter and shorter. Our expertise ranges from fuel supply, oven and flue gas cleaning to chimney. Some examples of service work are the replacement and repairs of feeders, roaster conveyor, rod feed systems, electrostatic filters, pipe filers, fans and ash disposal systems. For extra security, our workshop is always available for emergency repairs or new manufacturing.

UPGRADES

To comply with the increasingly stringent emission requirements and changed process conditions or if your electrostatic precipitator is in mechanically poor condition, we can help you change the interior. Obviously to a more modern design and control mechanism. Everything to reduce emissions and optimise energy consumption. We have numerous reference facilities, everything from electrostatic precipitator for recovery boilers to biofuel-fired boilers.

SPARE PARTS

We can help with spare parts for most makes on the market. We do of course stock the most frequently used parts in our warehouse for fast delivery. We can also store spare parts for our customers.



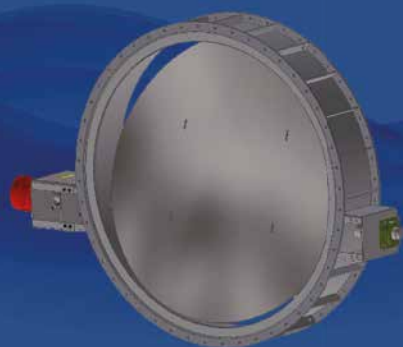
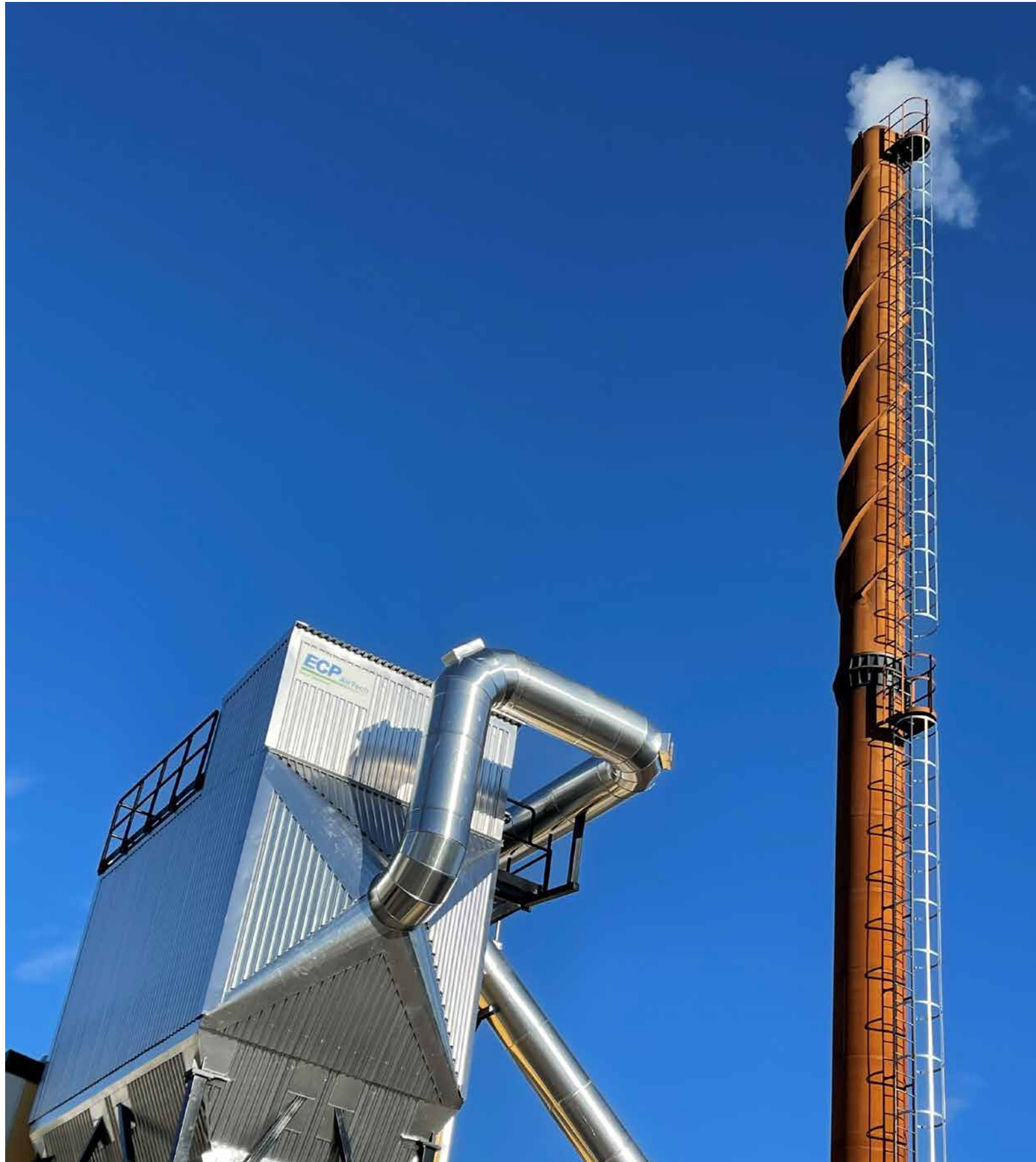


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SWEDAMPER

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SCANDINAVIA'S ONLY MANUFACTURER OF ELECTROSTATIC PRECIPITATOR

Now we can proudly offer the most climate smart and “self-operating” electrostatic precipitator with energy consumption optimised to the emission level. Everything is developed and manufactured in Sweden.

- A mobile electrostatic precipitator made mainly from steel manufactured in Sweden, which reduces emissions by approximately 16,000 kg CO₂ per electrostatic precipitator, compared with steel produced outside of Europe.
- A fully integrated pre-separator with a radial diffusor on the inlet, which results in no need for a multicyclone pre-separator.
- Proprietary PLC which controls energy consumption and percussion times against dust emissions in real time.
- Manufacturing takes place in dedicated workshop premises that are heated by pellets and has green electricity.
- We have collective agreements, which entails that our staff have contractual salaries and working conditions.
- Transport from the workshop to the customer takes place with fossil-free fuels.

- Leasing opportunities via SEB Grön Finans.

Electrostatic precipitators are optimal for flue gas purification at emission requirements down to approximately 10 mg/Nm³ and are suitable for the following combustion processes:

- Biofuel-fired boilers
- Recovery boilers
- Blast furnaces
- Bio-oil



ENVIRONMENTAL FOCUS

We have developed insulators for environmental solutions, which are critical components in such installations. Air pollution is a huge global problem and the demand for these products is increasing.

It is our ambition to grow even more globally and become one of the leading manufacturers within this field of environmental products. Together with our existing and new customers we will build lasting relations.



NTP Products AS

NO-1608 Fredrikstad - Norway
E-mail: sales@ntp-as.no
www.ntp-as.no

SINTERED FILTER WITH WORLD CLASS SEPARATION

Do you have high requirements to separation and low maintenance costs? Then filtering with sintered technology is optimal. ECP Airtech is the Nordic agent for German Herding Filtertechnik's high-tech filter products.

Filtering takes place through sintered elements, which has many benefits compared to conventional filters with textile filters. Sintered filters require minimal maintenance, have low compressed air consumption and provide extremely low dust emissions. The fact that the filter is compact and doesn't require much space is also an advantage in the event of installation in underground mines and structures. The filter material doesn't contain any fibres, which is ideal when collecting dust. The filter elements typically have a service life of ten years.



Power Supplies from NWL will enhance the performance of any electrostatic precipitator (ESP) and reduce the emissions. By using state of the art technology NWL will help your business to reduce the emissions and contribute to a cleaner environment. NWL is the market leader in ESP power supplies with more than **5000 installations worldwide.**

www.nwl.com



Some advantages of sintered filters:

- Low dust emissions
- Minimal space requirements
- Typically 10 year service life
- Constant pressure drop
- Washable
- Available as ATEX rated, the cassettes are an ATEX barrier.

Sintered filters are optimal for dust separation and flue gas purification at emission requirements down to approximately 0.1 – 0.5 mg/Nm³ and are suitable for the following processes:

- Mining industry
- Iron and steelworks
- Cement
- Pharmaceutical
- Food
- Biofuel
- Energy production
- Workshops, welding, grinding of e.g. titanium and flammable dust



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LEADING IN SUSTAINABILITY

At ECP AirTech we are pleased and proud of being at the forefront with regard to sustainability and issues that concern our common future. To us, sustainability has always been a fundamental part of our business, which can also be seen in our logotype where "Green Solutions" is a part of our brand.

Here are some examples of how we work with the three dimensions of sustainability:

ENVIRONMENTAL SUSTAINABILITY

We stand out in the market by offering our customers products that have a carbon footprint that is 80% lower than the global average. This is because the products we manufacture in our facility largely consist of steel produced in Sweden.

SOCIAL SUSTAINABILITY

We strive to be an attractive employer and to contribute to a sustainable society. We have an open and strong culture with pride in the business and our employees. We do of course have collective agreements, which entail contractual salaries and working conditions. One of our key goals is to have fun at work.



FINANCIAL SUSTAINABILITY

The financial dimension of sustainability work entails economic growth and is about creating value and conserving resources. Our financial sustainability work means that the company's finances are characterised by a long-term perspective, resource efficiency, reuse and recycling. As proof that we have our finances in order, we have been awarded the highest credit rating AAA.

GLOBAL TARGETS FOR SUSTAINABLE DEVELOPMENT

Our longstanding sustainability work makes it a given that we support the UN's global goals for sustainable development and Agenda 2030. Below is a selection of the company's activities that contribute to achieving the goals in different ways.

If you have ideas on how we can help each other on sustainability issues, you are welcome to get in touch!



Se oss på Youtube:
"ekshäradswaterjet"

EWJ

VI SKÄR MED LASER, VATTEN, GAS & PLASMA

Ekshärads Water Jet är en ledande leverantör av legobaserade skärtjänster med laser, vatten, gas och plasma. Valet av lämplig metod beror på en kombination av seriestorlek, tid och vilket material som ska skäras. Vi hjälper dig med bedömning - så att din produkt får rätt kvalitet till rätt pris.

Vi är flexibla, och vår strävan är att få nöjda kunder. Våra moderna skärmaskiner klarar det mesta, komplexa figurer med snäva toleranser, runda, ovala, fyrkantiga hål i tunna och grova dimensioner, alltid med högt materialutnyttjande. Inget att tveka på – Kontakta oss!

4 Vattenskärningsmaskiner
1 Co₂ laser
1 Fiberlaser
1 Plasma & Gas
1 Kantpress
1 Rullbock

NYHET! FIBERLASER

Fiberlaser med torn, Amada ENSIS 3015 AJ.

NYHET! RULLBOCK

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www.ewj.nu

NOW WE HAVE ACHIEVED OUR LIMIT VALUES

Nässjö Affärsverk has a chip fired 12 MW roasting boiler with a system for flue gas condensation. Previously the company had a wet electrostatic precipitator of inferior quality. There was a problem with a lot of dust in the flue gas condensation, which caused operational disruptions and that led to Nässjö Affärsverk not achieving the limit values for dust in the condensate and to air. They turned to ECP AirTech, who provided a new electrostatic precipitator and new flue gas ducts.

“Now we no longer have a problem with dust in the flue gas condensation and we have achieved our limit values,” says Tomas Jörgensson, maintenance engineer at Nässjö Affärsverk.

Nässjö Affärsverk is very pleased with design and build contract that ECP AirTech implemented.

“Schedules were kept, we got a good basis for signal exchange for control, and after deployment we were given good training to operate the filter.

Tomas also emphasises ECP AirTech’s accessibility and high level of service.

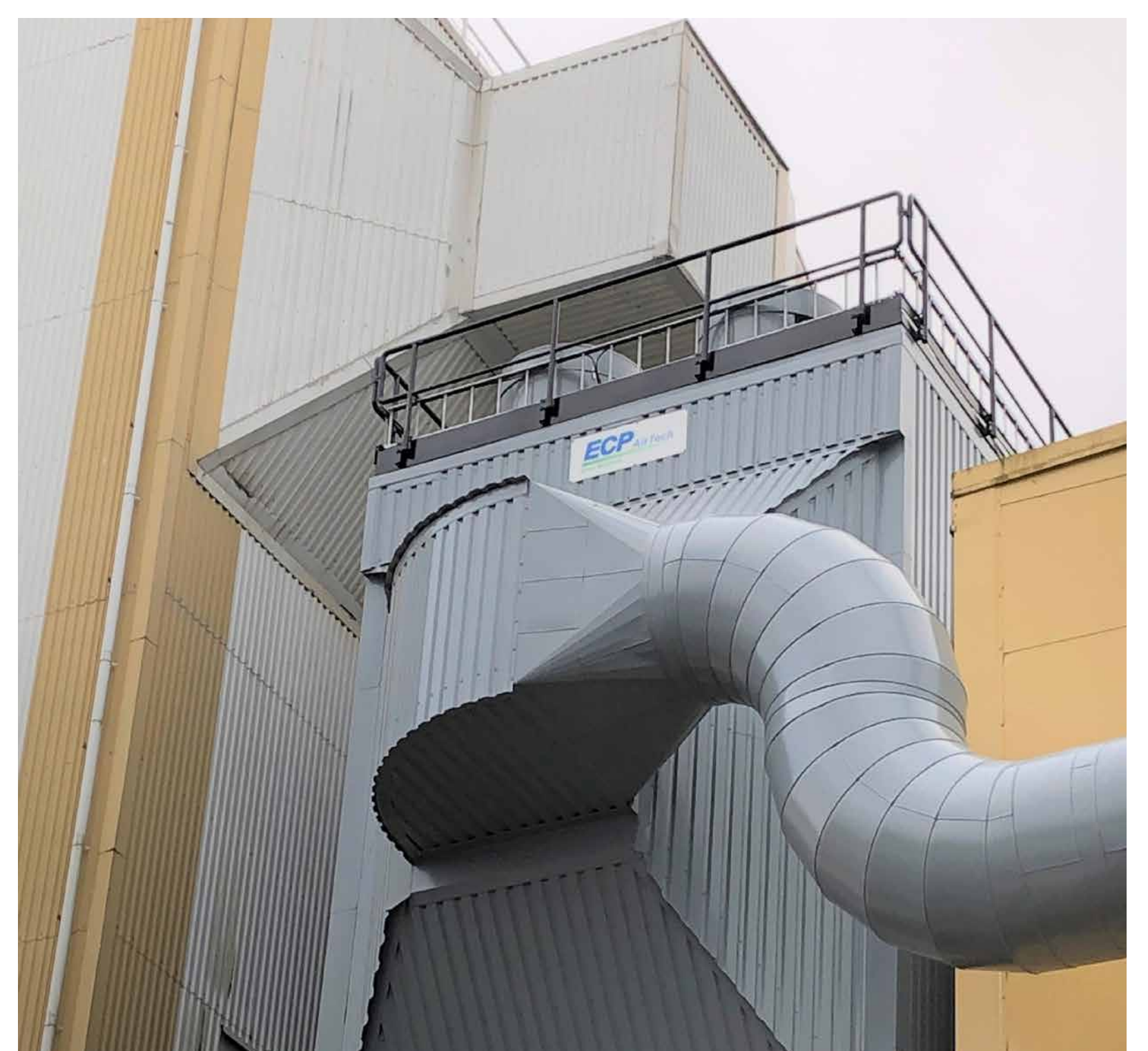
“They are accessible and always get back to you if you are unable to reach them immediately. In summary, they are knowledgeable and service-minded.



Västernorrlands Industrimontage AB drivs av Daniel Rönnung och Joakim Eriksson. Vi har vårt säte i Birsta, Sundsvall.

Vi jobbar med industri, VVS, byggsmeden och mekaniska arbeten runt om i Norden. Arbetet kan ske på sågverk, pappersbruk, värmeverk, vattenkraftverk, vägbroar m.m.

I vår verkstad, som är certifierad enligt ISO-1090 och ISO-3834, har vi tillverkning av tryckkärl & bärande stålkonstruktioner. I fält når vi er med våra fullutrustade servicebussar.



Optimized fan solutions for demanding use

Koja's decades of experience
and expertise will be at your
service throughout the entire
lifecycle of our products



New projects: Mikael Petersson,
mikael.petersson@koja.com
Service and upgrades: Thomas Gal,
thomas.gal@koja.com



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ECP'S SOLUTION HELPED US

Jämtkraft has installed a sintered filter from ECP AirTech on a 2 MW pellets boiler that was previously located elsewhere, which is built as a transportable boiler centre. Due to new environmental requirements, more flue gas cleaning was required when the boiler was placed at its new location.

“After experiences with conventional pipe filters we wanted to find a cleaning technology that was more maintenance-free and reliable. We chose to test ECP's sintered filter, says Örjan Lundberg, project manager with Jämtkraft.

Jämtkraft does not regret the decision. Experience after using the filter is that it works very well and has a very good purification rate.

“Performance measurements showed emissions of approximately 0.6 mg/Nm³, despite the fact the combustion was not optimal at the time of measurement. ECP's solution helped us achieve the applicable environmental requirements.

Jämtkraft doesn't only appreciate the final result that ECP AirTech delivered, but also the journey there.

“They have quick handling with easy communication.

The High Coast

YPAB is located near The High Coast in the Ångermanland province of north eastern Sweden. The High Coast is a UNESCO World Heritage.

We supply dampers

YPAB design, manufactures and markets dampers mainly for the processing industry, power plants and heater plants. Contact us for more information:

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