

# **CLOSER TO A CLEAN TOMORROW.**

---

OUR CONTRIBUTION TO  
THE ENERGY INDUSTRY









## We are preserving clean air for generations to come.

The global population is growing faster and faster and the world is becoming increasingly inter-connected, digitalized and urbanized. Global energy demands are staggeringly high and the first effects of a worldwide environmental crisis are already being felt. That is why we, the people of Scheuch, have decided to contribute to the protection of our planet by creating powerful and sustainable technologies for clean air. Our tailor-made filtering plants reduce fine particle matter and pollutant emissions in an energy and CO<sub>2</sub> efficient way. Our optimally designed filter systems, combined with our advanced heat recovery units, greatly improve the total efficiency of combustion plants. We offer our customers an ecological and economical advantage through our time-tested solutions. This way, together, we can do our part for social responsibility.

Alois Hermandinger  
Director Sales & Product Management



## The Scheuch Group at a glance: **Together for a better world.**

The Scheuch Group, headquartered in Auroldmünster (Upper Austria), has offices all over the world and is internationally regarded as a leading techcompany in the field of industrial filter technologies. Every day, we conceive and design new turnkey solutions to reduce emissions in all kinds of industries all over the world. To do so, we invest heavily in research and development, which further enables us to strengthen our market-leading position as a key innovator in our industry. Our main markets include energy,

metals, wood and wood-based panels, industrial minerals as well as the components business. As plant engineers, we provide complete, customer-specific solutions around the globe; from R&D and sales, to project management, manufacturing, construction, installation and after sales support. We tailor our solutions to you.

### DID YOU KNOW ...

... that we have our own innovation center, which includes a research and development department, as well as a strong capacity for in-house manufacturing? This is further complimented by our global production partners.







## A clear vision into the future – for our clients!

At Scheuch, a trustworthy and personal relationship with our clients is our highest priority. Our global subsidiaries allow us to always meet the on-site requirements of our customers and to support them every step of the way – whether through our international sales teams, our professional project management or our assembly and service personnel.

The secret to our success lies within our highly qualified engineering team. Our technicians are constantly developing and innovating new customer-driven technologies for the energy industry.

We pride ourselves in recognizing and proactively engaging with the future challenges of our customers in order to provide them with the right solutions at the right time. This determination helps us develop strategic and long-standing relationships with our clients. We accompany our partners globally, for as long as they need us, without question.

”

*Our product portfolio for dedusting, emission control, and heat recovery offers customized solutions, designed for the specific requirements of our international customers.“*

— KLAUS EMPRECHTINGER,  
HEAD OF SALES METALS & ENERGY



To ensure the world of tomorrow  
is as beautiful as today.





**DID YOU KNOW ...**

... that a trusting and personal relationship with our clients is one of our main priorities?





## Flue gas cleaning is our world.

Scheuch is a dependable and stable partner for clients in the global energy industry. Customers all over the world trust the years of experience that our international specialists have.

We continuously develop our flue gas cleaning technologies and provide time-tested, mature plant concepts for all applications, including heat recovery. We provide for our customers' needs, no matter how complicated the fuel. Furthermore, our

flue gas cleaning plants consistently and reliably meet ever-increasing environmental demands and often greatly surpass them.





---

## Our competence:

Integrated system solutions for all manner of flue gas cleaning and heat recovery provide a competitive edge to our clients. High availability, increased plant efficiency through the implementation of flue gas condensers, as well as maximum quality control and stringent adherence to emissions regulations are our company's primary goals.

---

### Natural biomass

Natural biomass is the biodegradable component of organic agricultural and forestry wastes, with negligible contamination. This can include wood pellets, straw, sunflower husks, wood chips or corncobs. Depending on the fuel in question, different Scheuch products and combined systems are implemented. Through the addition of a flue gas condensation system, up to 50 % of the rated boiler capacity can be recovered, depending on the fuel moisture content.

---

### Fossil fuels

Fossil fuels like coal, peat and crude oil have developed by undergoing a slow biological and physical transformation from ancient plant-based biomass. During their combustion greenhouse gases, as well as other environmentally relevant pollutants, like dust, ash, and SO<sub>2</sub>, are released and must be separated and removed from the flue gas. This is yet another area, where Scheuch can offer customized flue gas cleaning solutions.

---

### Waste wood

The term waste wood encompasses all wood, which would either be disposed of conventionally or is designated as a fuel for combustion plants. There are many different classifications and they vary from country to country, but generally as the proportion of contaminants in the wood increases, the equipment required for the cleaning of the flue gases becomes more complex and comprehensive. Scheuch offers a variety of complete solutions for all classifications of waste wood.

---

### Wastes and waste products

Refuse-derived fuels and other wastes contain contaminants which when combusted, release acidic pollutants like SO<sub>x</sub>, HCl, and HF, as well as organic and inorganic compounds like dioxins, furans, and heavy metals. To guarantee adherence to all respective legislations, Scheuch offers a variety of absorptive cleaning processes. Hereby, it is paramount to comply with emissions regulations, while maintaining the highest possible plant availability. Due to our long-term experience in this sector, we can offer technologically mature solutions.







## Everything under one roof.

The Scheuch Group sees itself as a turnkey specialist, as well as a components supplier. A successful plant engineering business is founded upon experience and the knowledge we have collected over decades of successful projects, allows us to professionally complete any project, no matter how big or small.

Scheuch is one of the few companies that can offer superior quality from a single source and we are proud to be able to solve even the most complicated problems our clients face. A fast, reliable and on-time implementation is always our top priority, whether turnkey project or a single component delivery.

The foundation of every successful project is mutual understanding combined with cooperative planning. Together, these building blocks provide the perfect setup, which leads to key success factors for our clients. We believe that a trusting,

and personal relationship with our customers always leads to the best results.

Especially for challenging turnkey projects, our experts work with state of the art 3D planning tools and CFD simulations. Through this stringent attention to detail, we greatly reduce our clients' workload and can therefore provide the most technologically adept solution, without compromises.

### FACTS

#### Our Products, at a glance:

- ELECTROSTATIC PRECIPITATORS
- BAG FILTERS
- CENTRIFUGAL SEPARATORS
- HEAT RECOVERY SYSTEMS
- DRY SORPTION PROCESSES
- CONDITIONED DRY SORPTION PROCESSES
- SELECTIVE CATALYTIC REDUCTION PLANTS
- DUCTS AND PIPEWORK
- FLY-ASH SILOS
- FANS



SCHEUCH  
ELECTROSTATIC PRECIPITATORS-  
TECHNOLOGY





**scheuch**

TECHNOLOGY FOR CLEAN AIR

Scheuch GmbH  
Weierfing 68  
4971 Aurolzmünster  
Austria

Phone +43 / 7752 / 905 - 0  
Fax +43 / 7752 / 905 - 65000  
E-Mail [office@scheuch.com](mailto:office@scheuch.com)  
Web [www.scheuch.com](http://www.scheuch.com)