

# CLOSER TO A CLEAN TOMORROW.

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OUR CONTRIBUTION TO  
THE METAL INDUSTRY





## We are preserving clean air for future generations.

The global population is increasing exponentially while environmental pollution is becoming increasingly severe. That is why we at Scheuch have made it our mission to use our high-performance air pollution control plants to help protect our planet in the long term. Not only do our solutions drastically reduce emissions of fine dust and pollutants, but our pioneering technologies significantly lower CO<sub>2</sub> footprints too. Energy-saving designs and integrated heat recovery systems for increased energy efficiency considerably reduce levels of CO<sub>2</sub>. Our technically sophisticated solutions for the metal industry bring our customers major benefits – both from an environmental and economic perspective.

Christian Straif  
Head of the Panels, Energy and Metals Industry

## Under the umbrella of the Scheuch Group: Together for a better world.

The Scheuch Group, which has offices all over the world and its headquarters in Aurolzmünster, Upper Austria, is an international leader in technologies for air pollution control.

Every single day, we are working on new end-to-end solutions to reduce emissions in an incredibly wide variety of industries around the globe. To achieve this, we focus on intensive research and development – putting us in a position to further sharpen the innovative edge we enjoy at an international

level. Alongside our Metals Industry, Energy Industry, Wood Based Panel Industry, Industrial Minerals Industry and Wood Processing Industry divisions, our Devices and Components unit forms a key market. As a plant manufacturer, we cover the entire scope of services ourselves – from sales, project management, design, research & development, production, installation and commissioning, right through to after-sales service. And what's more, everything is always perfectly customised to the needs of our international customers.

### DID YOU KNOW THAT ...

... we run an innovation centre, complete with R&D department and extensive vertical integration, in conjunction with global production partners?





## Looking ahead – for our customers!

Here at Scheuch we understand that the need for a personal relationship with customers, a relationship based on trust, is the top priority. Thanks to our offices all over the world, we can always be close to our clients and their requirements. With our international sales team, professional project management systems and large number of Scheuch Group fitters and service technicians, we can really take care of our customers on the ground.

The secret of our success lies in our highly qualified engineering team. Our engineers are constantly working on new technologies and innovations for the metal industry. It is particularly important to us that we identify our clients' ever-changing needs at an early stage and anticipate the technologies they want. This approach often leads to strategic, long-term partnerships with our customers. We support our clients to grow and develop – no matter where they are in the world or how long the journey takes.



*With our range of dedusting, pollutant reduction and heat recovery products, we offer customised solutions tailored to the needs of our international operators and plant manufacturers“*

— KLAUS EMPRECHTINGER,  
HEAD OF SALES METALS & ENERGY

So tomorrow's world stays  
as beautiful as it is today.



DID YOU KNOW THAT ...

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## Metal is our world.

Since the early 1970s, Scheuch has been a reliable and stable partner to customers in the metal industry in all corners of the globe. International clients put their trust in the company's specialists, who work in offices all around the globe, and their many years of experience. We are constantly working on developing our technologies for minimising emissions so that our plants continue to comfortably meet the ever more stringent environmental regulations in the future. In addition, we provide our customers with technically sophisticated concepts for every application in the area of heat recovery. The main focus is always on the individual requirements of the project in question – from the proposal stage and engineering, right through to production, installation, commissioning and after-sales service.





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## Our industries:

Scheuch's built-in, customizable and turnkey system solutions give customers a competitive advantage in all areas of iron and steel production, foundries as well as non-ferrous metallurgy and its further processing. Determining individual requirements through feasibility studies at both existing and new plants brings about optimal plant designs to ensure increased efficiency and the highest product quality for the metallurgical process. High plant availability as well as compliance with workplace safety and environmental regulations are our most important goals.

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### Iron and steel

Scheuch offers a comprehensive programme for exhaust air collection, exhaust gas cooling, dedusting and further exhaust gas cleaning.

- Coking plant, sintering plant and pelletisation
- Material handling, aggregate handling and alloy plants
- Pig iron production
- Converter/electric steel production
- Secondary metallurgy (ladle furnaces, vacuum systems, etc.)
- Continuous casting and mould casting incl. flame-cutting machines
- Flame-scarfing shops and rolling lines
- Slag management and refractory linings

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### Non-ferrous metals

Within the non-ferrous metal industry (copper, zinc, aluminium, etc.), Scheuch offers comprehensive solutions in extraction, exhaust gas cooling, dedusting and sorption equipment.

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### Foundry

Depending on the application requirements, components cast from ferrous or non-ferrous metals are manufactured using a range of processing steps. This creates dust-laden exhaust air – primarily during smelting and then also during casting as well as in the manufacturing of moulds and sand processing. Scheuch offers a full range of products for all applications.

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### Metal processing

The range of services offered by Scheuch covers a whole host of metal processing requirements, from extraction to dedusting, including combined dust extraction, ventilation and heat recovery in production halls.

- Sandblasting facilities
- Flame and laser cutting machines
- Weld production
- Hot-dip galvanising



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## A one-stop shop.

The Scheuch Group views itself as both a turnkey specialist and a supplier of components. Our successful plant business is based on experience – the knowledge we have built up over decades enables us to handle major contracts just as professionally as smaller projects.

Scheuch is one of the few companies offering top quality from a single source. We will solve any problem for a customer, no matter how complex. Getting things done quickly, reliably and to schedule is always paramount – be it for a turnkey plant or an individual component.

The secret to every well-managed project lies in creating a shared understanding with the client. This is the foundation for a perfect set-up and,

when combined with collaborative planning work, is what makes our customers so successful. We are absolutely certain that a personal relationship between customer and solution provider, one built on trust, will give the best possible results.

When it comes to challenging turnkey projects in particular, our experts work with the very latest 3D design tools and CFD simulations. Such exact planning and design work enables us to reduce the cost to our customer in terms of both time and money, allowing us to come up with the very best end-to-end solution from a technical perspective with no compromise whatsoever.

### FACTS

#### All components at a glance:

- BAG FILTERS
- ELECTROSTATIC PRECIPITATORS
- CENTRIFUGAL SEPARATORS
- DRY SCRUBBERS
- CONDITIONED DRY SCRUBBERS
- SCR PLANTS
- HEAT RECOVERY PLANTS
- EVAPORATION, PIPE AND MASS COOLERS
- EXHAUST AIR COLLECTION INCL. CFD SIMULATION
- PIPING
- DUST SILOS
- FANS



SCHEUCH  
EMC 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)