

CLOSER TO A CLEAN TOMORROW.

OUR CONTRIBUTION TO
THE INDUSTRIAL MINERALS INDUSTRY





Our goal is clean air

A clean planet with fresh air should constitute a basic right for all mankind. At Scheuch, we have therefore made it our highest priority to help guarantee this right by continually developing our powerful air pollution control technologies. Hereby, the ever-increasing pressures on cost and resource scarcity combined with steadily increasing emissions regulations pose the greatest challenges. We accompany our customers along the path of environmental protection with our innovative technologies for clean air.

Our high level of competence, in the areas of filtration and gas cleaning, guarantees that we are always one step ahead. Due to our internationally established organisation, we can offer sustainable end-to-end solutions across all continents, responding to any environmental issue in the industrial minerals industry. Innovation, service and global customer proximity are always our main focus. The Industrial Minerals Business Unit at Scheuch works every single day to create intelligent combinations of advanced systems and customised services. We therefore always provide a suitable answer to the diversified requirements of the sector at the right time.

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 run an innovation centre including an R&D department and extensive vertical integration, in conjunction with 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 onsite 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 employee team.

Our technicians are constantly developing and innovating new customer driven technologies for the industrial minerals 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.

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Our product portfolio for dedusting and gas cleaning offers customised solutions, designed for the specific requirements of our international customers“

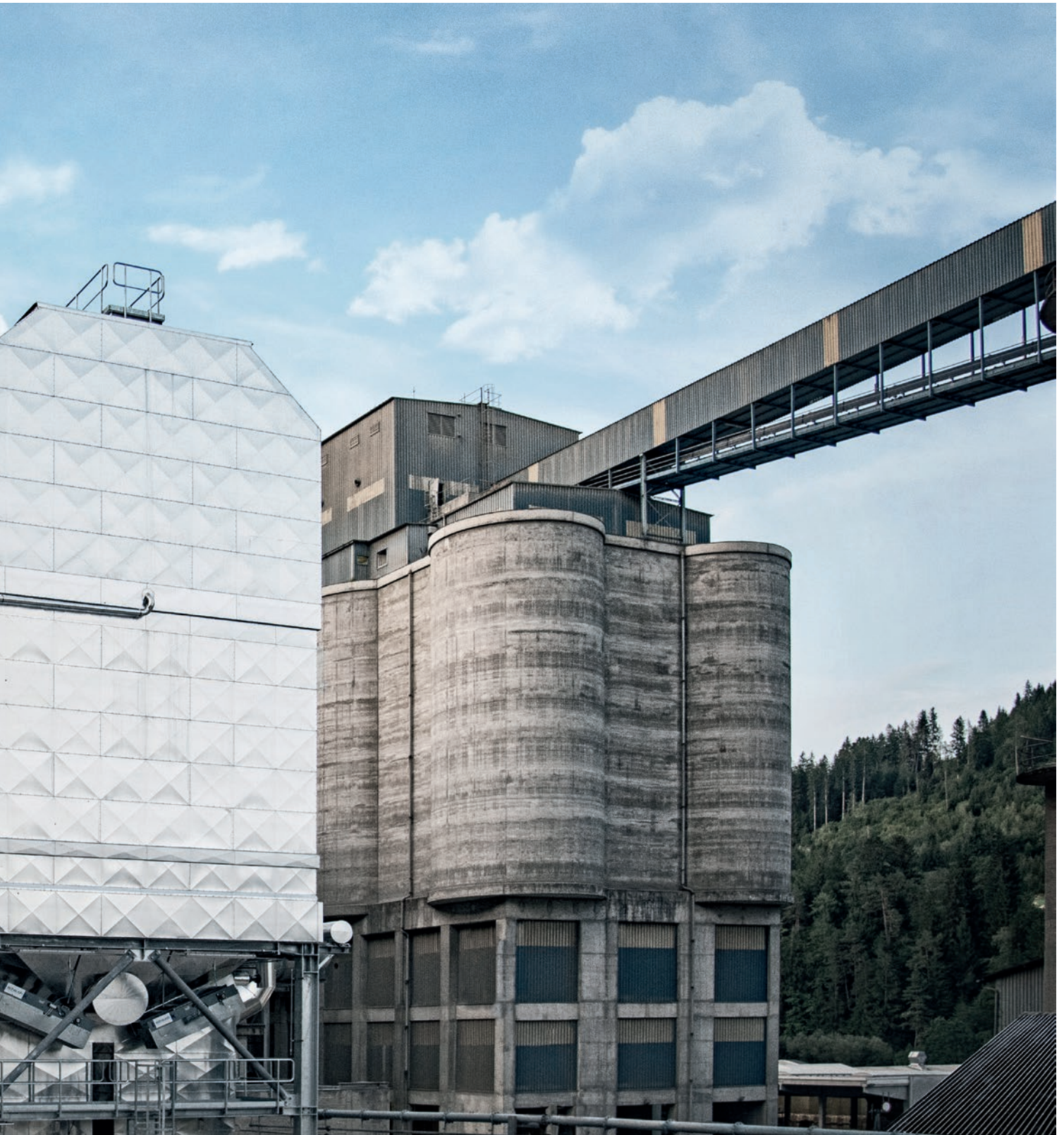
— GEORG LECHNER,
HEAD OF SALES INDUSTRIAL MINERALS INDUSTRY

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



DID YOU KNOW THAT ...

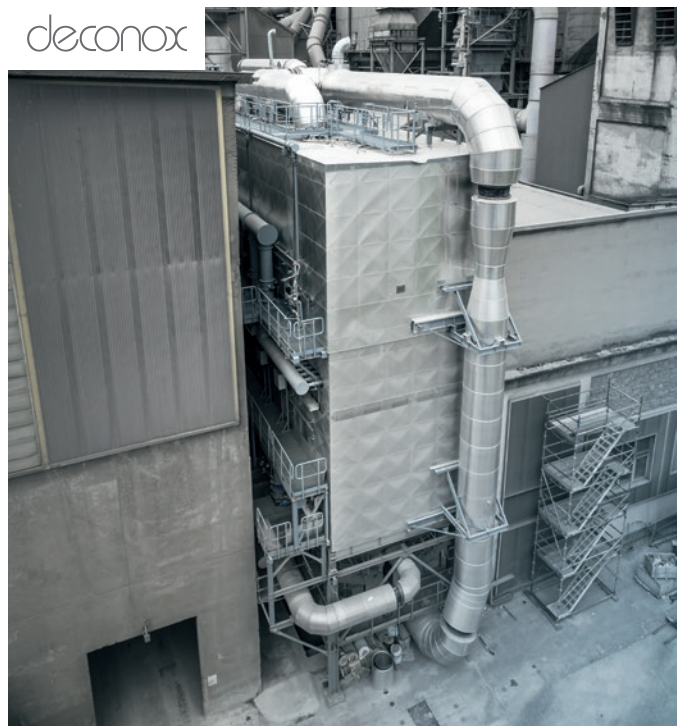
... a trusting and personal relationship with our clients is our main priority?



xmercury



deconox



scr



emc



impuls-filter



smc



Everything under one roof: From components to turnkey solutions

The Scheuch Group sees itself as a components supplier, as well as a turnkey specialist. 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 small or big.

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 a single component delivery or turnkey project.

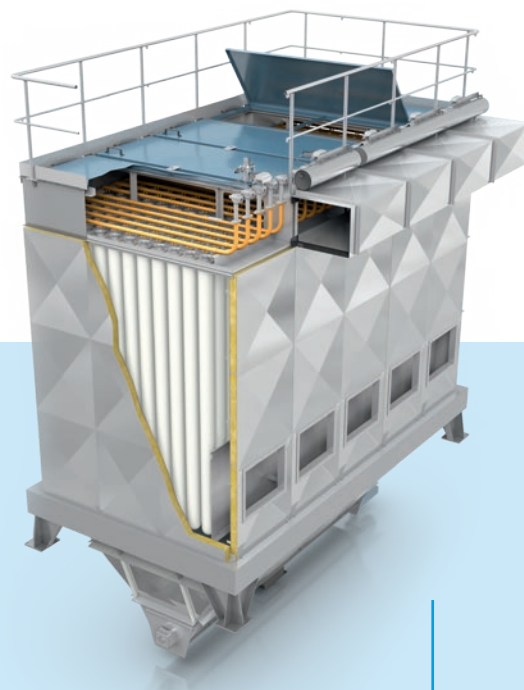
The foundation of every successful project is mutual understanding combined with cooperative planning. Together, these building blocks provide the perfect setup, which leads to key success factors for our clients. We believe that a trusting, and personal relationship with our customers always leads to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

- BAG FILTERS
- HOT GAS FILTERS
- ELECTROSTATIC PRECIPITATORS
- SCR PLANTS
- MERCURY SEPARATORS
- REGENERATIVE THERMAL OXIDATION
- CONDITIONED DRY SORPTION
- EVAPORATION COOLERS
- HEAT RECOVERY SYSTEMS
- FANS
- CASCADE CLASSIFIERS (FILLER REMOVAL)
- DUCTS AND PIPEWORK
- CONVEYORS
- EXPLOSION PROTECTION
- SOUND DAMPENING
- DUST COLLECTION INCL. CFD SIMULATION



HOT GAS FILTER
TECHNOLOGY FROM SCHEUCH

Integrated solutions for the cement industry

Innovative products and systems from the technology forge of Scheuch find their place in a variety of applications to keep air clean across the entire production process in cement manufacturing. The scope extends from the effective reduction of diffuse dust emissions from crushing and grinding processes, to conveying operations and process-crucial baghouse filters for the separation of top quality cement types.

The portfolio is expanded by the reliable minimization of particulate emissions from the pyro-process. This includes state-of-the-art emc filter systems

for rotary kilns, clinker coolers and chlorine by-pass including required exhaust gas cooling and heat recovery.

Safe compliance with increasing emissions regulations is ensured by Scheuch through its new innovative technologies. The xmercury for mercury separation, SCR systems (high-dust and tail-end), as well as deconox for simultaneous selective catalytic reduction and thermal oxidation are at the forefront here. The product range is rounded off with a comprehensive components range.



Leading through technology

Scheuch is a reliable and dependable partner for customers in the cement industry all over the world. Thanks to our high level of expertise in plant construction, we know exactly what cement production requires and offer reliable and efficient systems for gas cleaning and dust removal for the entire manufacturing process, from mining to cement loading.

Resource conserving use of raw materials

The requirements for efficient material utilization and the associated reduction of CO₂ are constantly growing. The entire cement industry is therefore being increasingly confronted with new requirements. Scheuch provides the answer to this: the main focus of technological developments are plants which provide the client with resource friendly and environmentally friendly production. Scheuch and its customers are therefore taking an important step together on the path to protecting our planet.

Energy-efficient End-to-end solutions

Saving energy is one of the top priorities of Scheuch. All our efforts, be it in plant configuration or in the continued development of energy-saving systems, are focused on this goal. This challenge is supported by state-of-the-art CFD simulations and the expertise of Scheuch specialists.

Everything made of one cast

Fine-tuning in perfection: all services at Scheuch come from a single source. The entire portfolio of performance-defining components are developed and designed in-house and manufactured in state of-the-art workshops with the greatest depth of production. This is a crucial advantage, as far as the best end-to-end solution is concerned.

Lifecycle Service

Lifecycle costs of investment goods are decisively influenced by follow-up costs. The focus of Scheuch's philosophy is therefore the ambition to offer all customers the most economical and efficient solution, individually adapted to their respective requirements. Modern digital networking makes it possible to have a significant impact on the operational reliability of the systems of customers in the shortest possible time. Scheuch also offers the highest level of consulting competence in terms of modifications and upgrades, thus ensuring optimal lifecycle costs.





Primary and building materials industry

Scheuch's integrated, individual and turnkey systems for customers all over the world in all areas of the basic and building materials industry have the competitive edge in the market. Individual needs assessment with planning studies on existing and new plants lead to an optimal design for efficiency improvement, as well as top product quality. High plant availability as well as compliance with workplace safety and environmental regulations are the primary objectives of our commitment.

Lime Industry

Scheuch is a leader in air cleaning throughout the production process of the lime industry. Technologies from Scheuch are applied in material processing, as well as burning and calcination processes and grinding. To meet the requirements of the ever stricter emissions guidelines, Scheuch offers a wide range of complete solutions for exhaust gas cleaning, which includes the proven maxsorp process with conditioned dry sorption.

Quarries, sand and gravel works

Scheuch offers a comprehensive program for the effective minimisation of fine and ultra-fine dust (fillers), which are generated throughout the production process. In addition to these technologies, the proven cascade classifier is used to reduce the filler content.

Gypsum Industry

Scheuch offers complete dedusting and gas cleaning plants along the entire manufacturing process chain of the gypsum industry. It covers the full range, from raw material processing, burning and calcination processes, to the production of gypsum plasterboard. Here, the gypsum industry relies on the highly developed emc technology to reduce operating costs and maximise plant availability.

Mining

Powerful, heavy equipment and extremely robust high-performance systems - this is the world of the mining industry. Scheuch offers everything from a single source for clean air throughout the entire process of extraction, mining and processing of mineral resources. Maximum availability and extreme robustness with minimum maintenance costs are always the first priority.

The diversified challenges of industry are our driving force

A variety of industries, one guiding principle: reliable, robust and durable products. Scheuch's claim is spread across all applications for a wide range of industries. Experiences from numerous industries are bundled at Scheuch and ensure maximum synergy effects. Our interdisciplinary know-how thus

offers enormous advantages for the customer: the best of all technologies is adapted to the individual needs of the customer. The sum of all those years of expertise yields the perfect overall solution, while taking into account the specifics of the respective industry.

DID YOU KNOW THAT SCHEUCH ...

lets experiences from a wide range of industries flow into the development of new, innovative technologies and therefore always offers the most optimal end-to-end solution?



Fertilisers

Scheuch meets the highly complex requirements of the fertiliser industry with several decades of know-how and experience gained from a wide range of implemented plants. State-of-the-art analytical methods for the optimal collection of dust are also part of the performance spectrum, as well as customised dedusting and gas cleaning technologies.



Recycling

Scheuch offers sector-specific solutions along the entire recycling process. The repertoire also includes state-of-the-art dedusting solutions and exhaust gas cleaning technologies, as well as systems for explosion protection.



Glass

Scheuch draws on the experience of all available technologies, ranging from hot gas filtration to sorptive cleaning processes to reliable component solutions, for highly specialised applications in the glass industry.





scheuch

TECHNOLOGY FOR CLEAN AIR

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