

**SCHLÜSSLER®**

WORKING FOR THE FUTURE

Designed to be sustainable.

Innovative refractory engineering solutions

45<sup>+</sup> years   
SCHLÜSSLER Feuerungsbau

> SCHLÜSSLER Feuerungsbau GmbH

- ✦ Trusted: 45+ years of cross-industry experience
- ✦ Adding value: durable & cost-effective solutions
- ✦ Safe: regular audits & certified quality

[schluessler.de](http://schluessler.de)

Being a traditional family-run company, SCHLÜSSLER not only focuses on delivering reliability and expertise but also on being close to its customers. It has built up an excellent reputation as a refractory engineering specialist



# A tradition of trust meets the future

SCHLÜSSLER offers its customers innovative and highly efficient solutions covering all areas of refractory engineering. Making the most of our years of experience of this sector, we develop concepts, implement projects and offer a wide range of services for thermal industrial plants that go above and beyond the norm.

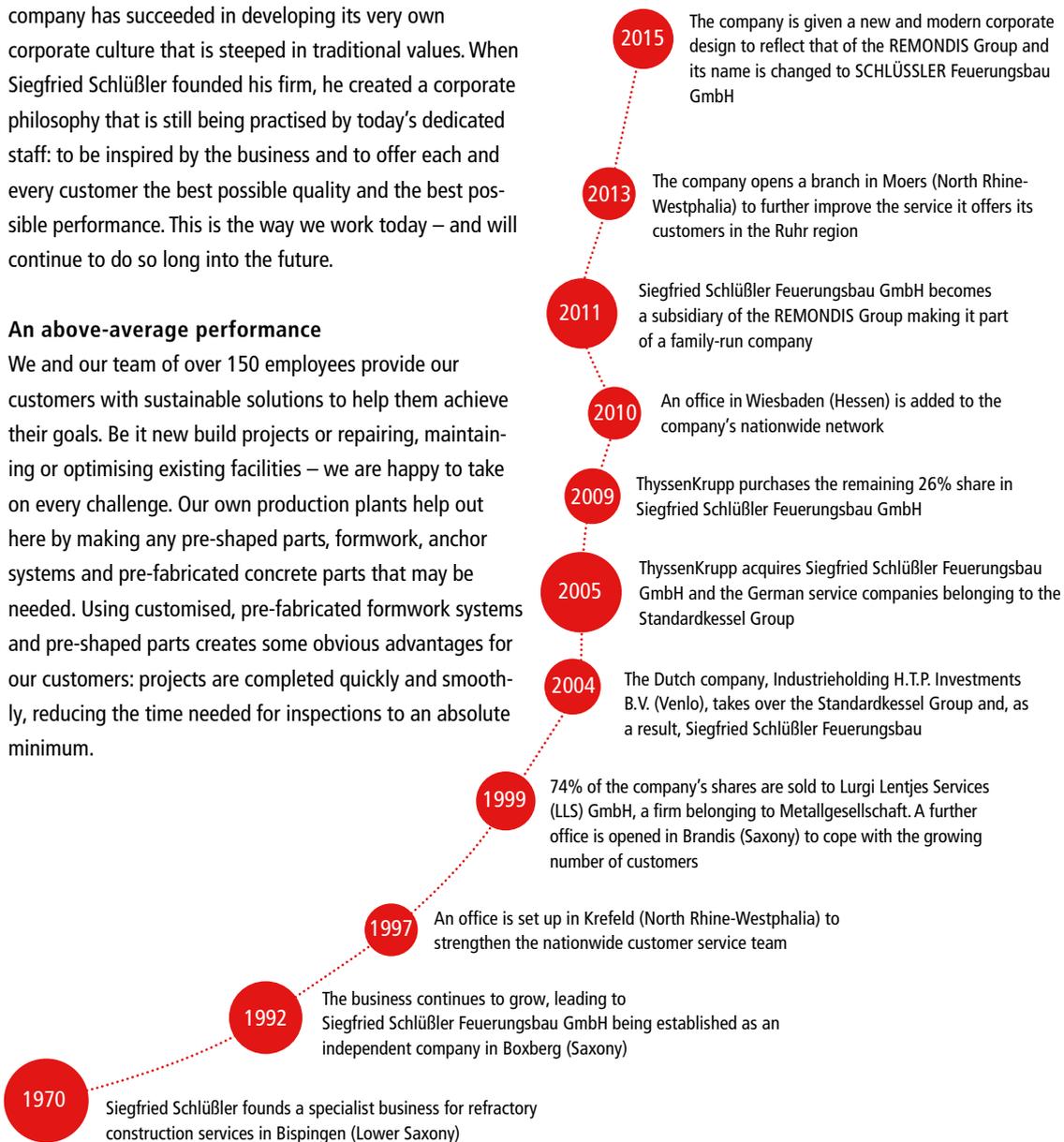
## A successful business based on traditional values

With a history stretching all the way back to 1970, our company has succeeded in developing its very own corporate culture that is steeped in traditional values. When Siegfried Schlüßler founded his firm, he created a corporate philosophy that is still being practised by today's dedicated staff: to be inspired by the business and to offer each and every customer the best possible quality and the best possible performance. This is the way we work today – and will continue to do so long into the future.

## An above-average performance

We and our team of over 150 employees provide our customers with sustainable solutions to help them achieve their goals. Be it new build projects or repairing, maintaining or optimising existing facilities – we are happy to take on every challenge. Our own production plants help out here by making any pre-shaped parts, formwork, anchor systems and pre-fabricated concrete parts that may be needed. Using customised, pre-fabricated formwork systems and pre-shaped parts creates some obvious advantages for our customers: projects are completed quickly and smoothly, reducing the time needed for inspections to an absolute minimum.

## A long tradition behind our success



The main reason why SCHLÜSSLER is able to react quickly and build strong relationships with its customers and employees is because of the way the company is actually structured – a structure that has at its core the traditional values of a family-run business

SCHLÜSSLER has a well-structured system in place enabling it to create customised solutions for its clients. The company's own engineering department plays a vital role here collaborating closely with experienced design engineers



## Adding value with top quality designs

No two thermal industrial plants are alike. Which is why we approach each project afresh, taking a detailed look at the problem in question. We use state-of-the-art CAD systems to provide our customers with the best possible service. Our own specialists work on these projects to create the most efficient outcomes. Outcomes that add value to our customers' businesses, are long-lasting and lead to lower project costs and greater energy savings.

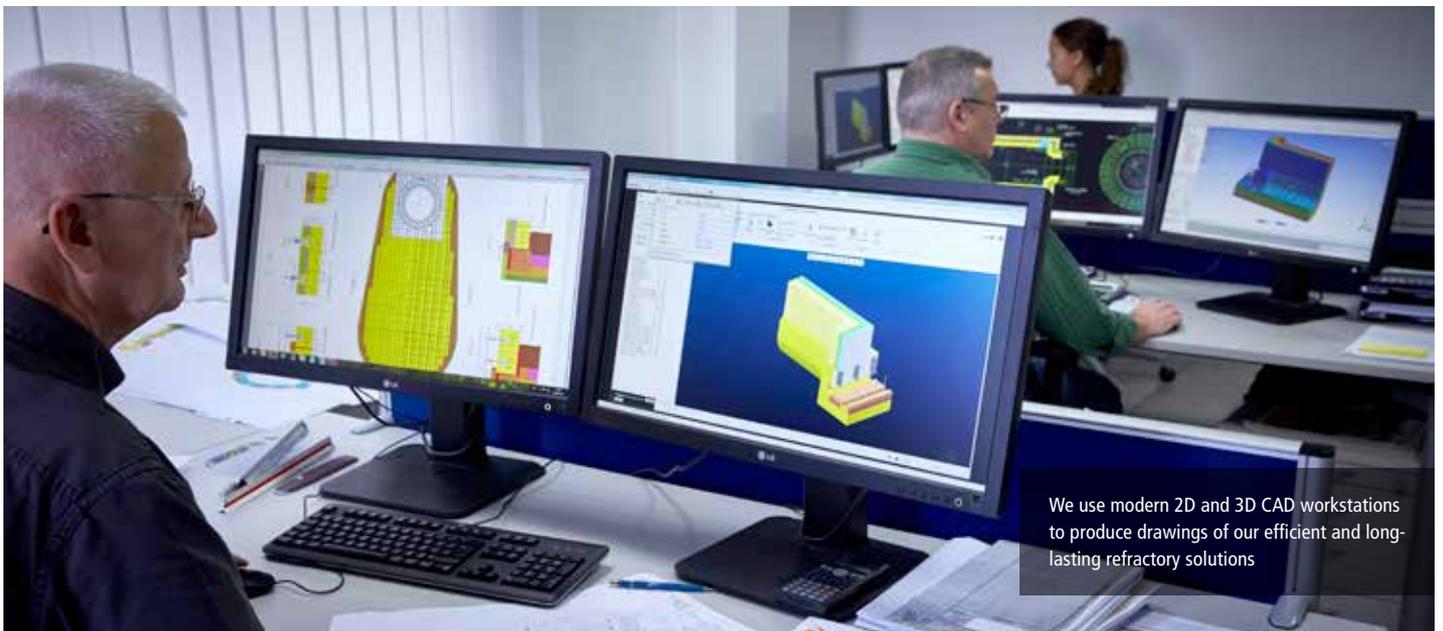
### Smart solutions designed for the future

We have set up modern 2D and 3D workstations for designing customer-specific moulded parts, furnace linings and CAD drawings of furnaces. By deploying CAD technology, we are able to provide our customers with an exact visual image of the work even before the project has begun. We place great importance on training our design engineers ourselves as this is key for ensuring projects run smoothly. The project managers and design engineers collaborate closely right from the start to guarantee the results are efficient, practicable and perfectly coordinated.

### Well thought-out technology down to the smallest detail

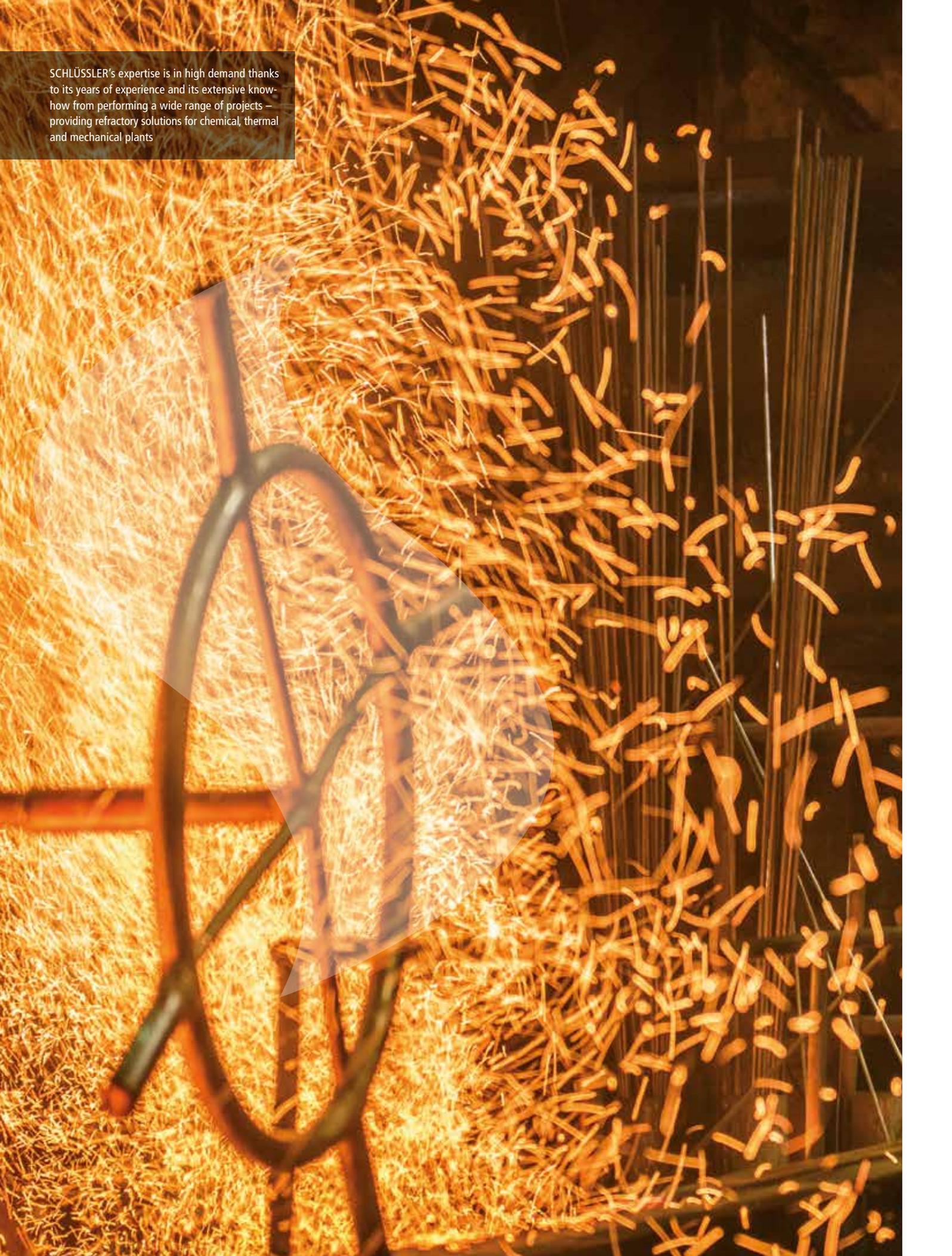
Special sheet metal design programs are deployed to make sure sheet metal is processed into parts efficiently. We leave absolutely nothing to chance – as can clearly be seen by the fact that we have our own moulding and formwork production plants, our own specially designed anchor systems and our own facilities for producing pre-fabricated concrete parts. No matter what the task, our teams are always conscientious, flexible and highly motivated.

By using state-of-the-art technology, we are able to carry out complex new build and repair work extremely efficiently – and keep the project time and our customers' costs to an absolute minimum



We use modern 2D and 3D CAD workstations to produce drawings of our efficient and long-lasting refractory solutions

SCHLÜSSLER's expertise is in high demand thanks to its years of experience and its extensive know-how from performing a wide range of projects – providing refractory solutions for chemical, thermal and mechanical plants



## The highest safety standards right from the start

No matter whether it involves standard system components or individually produced mouldings – selecting the right materials is key. SCHLÜSSLER can only create high quality, long-lasting solutions if it applies reliable materials that are able to meet the requirements of chemical, thermal and mechanical plants. These are then installed by our own qualified operatives – trained in line with German standards – so that our customers' facilities continue to operate safely and cost effectively.

### Know-how for the most demanding tasks

SCHLÜSSLER has decades of experience of planning and implementing projects to build new combustion plants as well as to repair and maintain thermal industrial plants. Our customers always have an experienced project engineer at their side throughout – from the first moment advice is given, all the way through to the completion of the project. Moreover, they continue to provide support whenever it is needed after the project has ended.

### Services our customers can rely on:

#### Heat treatment furnaces

Our customers benefit from our years of experience of performing new build and repair work on a wide variety of furnaces such as roller hearth furnaces, pusher-type and walking hearth furnaces, tunnel furnaces and shuttle kiln furnaces.

#### Plants for producing non-ferrous metals

SCHLÜSSLER carries out all types of refractory work needed for aluminium melting furnaces as well as for holding furnaces for aluminium and lead.

#### Boiler plants

SCHLÜSSLER delivers new linings to companies producing boiler plants and provides a comprehensive portfolio of repair services for the businesses actually operating such plants.

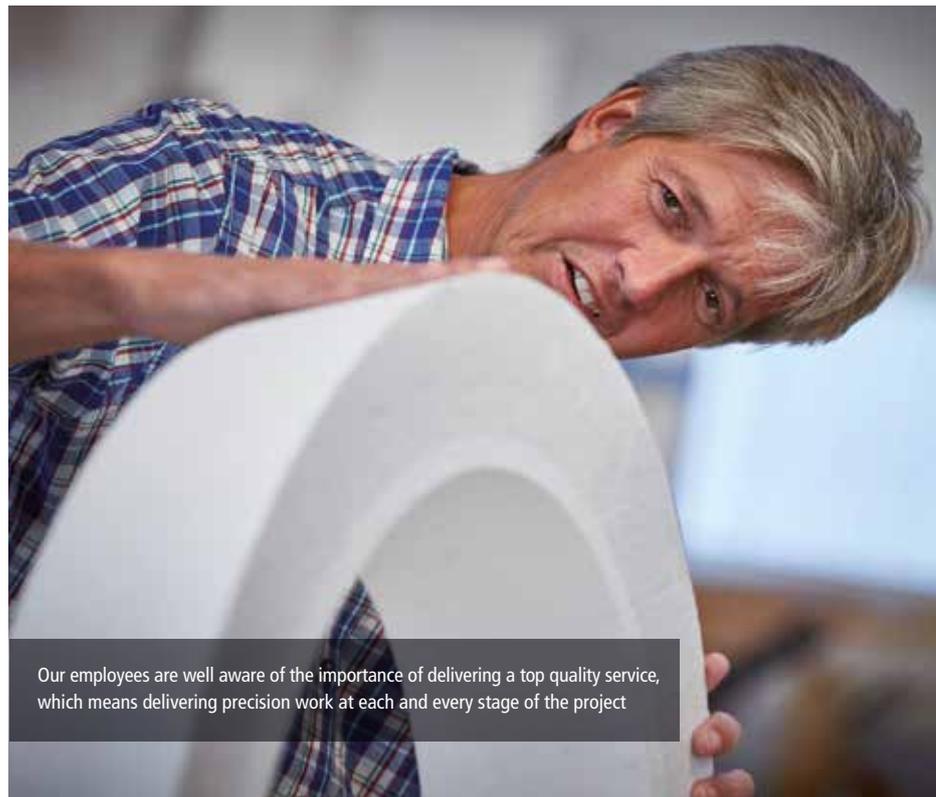
#### Biomass power plants & drying plants

The services provided by SCHLÜSSLER here include lining new plants as well as repairing existing plants.

### Construction of combustion chambers

SCHLÜSSLER designs, delivers and installs lining systems for a range of different combustion chambers. We deploy various systems using bricks, concrete or gunning technology as well as fibre material.

Greater flexibility, a better service: SCHLÜSSLER has developed its own inspection equipment, including work platforms, to enable it to carry out special tasks on plants operated by large-scale power stations



Our employees are well aware of the importance of delivering a top quality service, which means delivering precision work at each and every stage of the project

SCHLÜSSLER specialises in the needs and requirements of a number of specific industries. It is, therefore, able to provide these customers with competent and reliable advice, the exact support they need as well as cost-effective projects



## Strong services for strong industries

Throughout our company history, we have successfully carried out many different projects – in a whole range of sectors and industries. Our focus is always on our customers' needs no matter what the task. In practical terms this means that we always find the best and the most cost-effective solution for our clients.

### Cross-sector services

SCHLÜSSLER's range of services has been carefully designed to meet the exact requirements of each individual sector. Our customers benefit from our 45+ years of experience of working in a variety of industries. These include:

### Energy production

To ensure their operations run smoothly, we provide hard coal, brown coal, gas and biomass-fired power stations as well as combined cycle power stations with a range of refractory solutions for conventional boilers, fluidised-bed plants and flue gas recirculation ducts, pulverised coal burners, boiler brickwork and abrasion-resistant brickwork in hopper sections.

### Chemicals & petrochemicals

Our customers operating in this industry benefit greatly from an extensive transfer of know-how. We develop and implement solutions for complex facilities as well as customised solutions for individual production stages – for example, for FCC plants, steam crackers, heat exchangers, Claus plants as well as gas inlet and outlet chambers.



### Steel industry

SCHLÜSSLER has collaborated closely with the steel industry right from the moment the company was founded. We take on a variety of tasks here involving, for example, walking beam furnaces, pusher-type furnaces, reduction plants and walking hearth furnaces as well as tundish management. Our portfolio includes providing new linings for companies producing boiler plants as well as repair services for plant operators.



### Environment

Thanks to our state-of-the-art technology, we are also able to draw up and implement complex new build and repair projects to make waste incineration plants and hazardous waste incineration plants even more efficient – and reduce the costs and time needed for such work to an absolute minimum.



### Other industries

We also support our clients in the shipbuilding sector by delivering pre-shaped concrete parts for their boiler plants and small waste incineration plants. We supervise the repair work or carry it out ourselves, for the most part overseas. Our portfolio is rounded off with a range of services for the defence industry.

SCHLÜSSLER also travels to other countries to serve its customers. We supply materials, provide engineering services and supervise construction work for our clients' plants that are located abroad

SCHLÜSSLER's all-round service also includes making its own pre-shaped products and other customised products – of the very best quality and perfectly adapted to meet its customers' needs. Yet another smart SCHLÜSSLER solution



## The right product – always and without fail

SCHLÜSSLER offers a wide range of refractory plant components. These include all categories and formats of moulded and pre-cast products, fibre products as well as unshaped products – such as concrete – and anchor systems made of heat-resistant steel. Its product range is rounded off with the company's own moulded parts (air-dried and kiln-dried).

### Carefully monitored quality

All SCHLÜSSLER products are manufactured in line with stringent processing regulations. All materials undergo strict quality controls.

### Our range of products:

- 🔪 Pre-cast parts
- 🔪 Burner blocks
- 🔪 Pre-cast air rings
- 🔪 Abrasion-resistant products
- 🔪 Insulation boards/blankets
- 🔪 Anchor systems
- 🔪 Manhole bricks, inspection hole plugs etc.
- 🔪 Sewn insulating jackets

### Dedicated to health & safety

From implementing projects, to commissioning plants, all the way through to servicing and repairing facilities – SCHLÜSSLER's focus is always on ensuring its employees work in a safe environment. Our products are both extremely reliable and environmentally sound – a fact that has been documented in many different certificates and quality audits. Moreover, SCHLÜSSLER Feuerungsbau is a member of the 'dgfs' (German Association for Refractory and Chimney Engineering).

### Our accreditations

- DIN EN ISO 9001 (quality management)
- SCC<sup>P</sup> (work safety / petrochemicals)

We have our own production plant for manufacturing special anchor systems made of heat-resistant steel and other high quality alloys. Further details about our range of products can be found at [schuessler.de](https://schuessler.de)



# **SCHLÜSSLER®**

**WORKING FOR THE FUTURE**

SCHLÜSSLER is part of the REMONDIS Group, one of the world's largest recycling, service and water companies.

The company group has more than 500 branches and associated businesses in 34 countries across Europe, Africa, Asia and Australia. With over 30,000 employees, the group serves around 30 million people as well as many thousands of companies. The highest levels of quality. Working for the future.

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