Security.
Solutions.
Sustainability.

130+ JAHRE SOMMER

We create fascinating facades, secure buildings and protect critical infrastructure.

We design buildings with innovative, sustainable facades, doors and gates and secure them against natural disasters and terrorist attacks. We have been unique in our versatility for more than 130 years. We are a technologically leading, trustworthy partner for our customers and breathe individuality into our products, projects and our cooperation.

Funke Media, Essen
Element facade, mullion/transom facade, windows, expanded metal soffits, external Venetian blinds, sheet metal facade, Eternit facade

4

Family business run by the 4th generation

130+

130 years plus, founded in 1890

459

More than 459 patents and certificates

41

41 apprentices in seven professions

3

3 business units: Facades, building and high security

30

30 project countries

150

Approx. 150 projects p. a.

7

Active in 7 sectors of industry

72

Approx. EUR 72 million turnover p. a.

450

450 employees

Security.
Solutions.
Sustainability.

Security

We protect people, values and the environment.

Buildings and facilities are increasingly targets of vandalism, crime or terrorist attacks. Environmental disasters threaten critical infrastructure. Security is our calling. That is why we have been making the world a little safer together with our customers - in more than 30 countries for over 130 years.

Tailor-made security concepts

Protecting people, infrastructure and facilities from danger is our mission. SOMMER follows the principle of testing the requirements for our products using both calculative and practical verification. Tests are carried out in the field test, shock tube and/or with dynamic simulation, depending on the requirements. Our in-house development department cooperates with independent testing institutes for this purpose. With more than 450 patents and certificates, we guarantee first-hand tested security.

Terror often manifests itself through suicide bombers armed with explosives. For this reason, especially in high-risk buildings such as embassies, police and military buildings, explosion resistance is becoming a priority in addition to adequate burglary and bullet resistance.
We are not satisfied with standard solutions, as the pressure wave design must be individually adapted. Blasting tests are necessary in some cases for safety, especially for exceptionally large constructions. In addition to tests for test standards, we also offer live tests according to our customers' individual requirements.
SOMMER is Europe's leading contact for critical infrastructure security and has successfully tested the largest test element for blast resistance to date. The constructions provide effective security against terrorist attacks by combining explosion, bullet, burglary, fire and smoke protection in a single construction.

- **Bullet resistance**
- **Burglary protection**
- **Flood protection**
- **Earthquake protection**
- **Radiation protection**
- **Sound insulation**
- **Fire protection**
- **Smoke protection**
- **Air and gas tightness**
- **Blast resistance**
- **Protection against airplane crash**
- **HEMP/LEMP**

Solutions

Our solutions create trust.

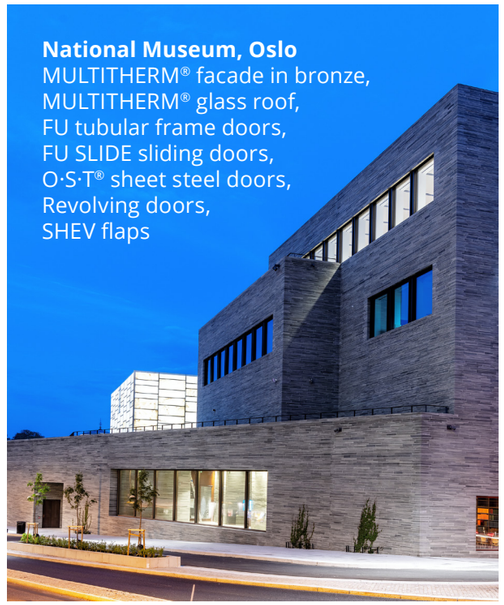
In the special market of "security", customers all over the world rely on our consulting and solutions expertise for this reason.
It is not only the everyday dangers or threat scenarios that our structures have to withstand. Natural disasters or terrorist attacks require special protective measures. We solve our customers' individual requirements holistically in the project - even from a batch size of one - in the highest levels of confidentiality. Our versatility in combining safety features makes us and our solutions unique.

Our solutions expertise in different areas of application

National Museum, Oslo

SOMMER's ability to prove the resilience of its own product families with suitable certificates as early as the award phase was a decisive advantage over competitors. With our security facades, we combine architectural aesthetic requirements and the desired building functionality with the necessary protection of the building.

The installed elements meet the highest standards to prevent damage from burglary, flooding and fire. The steel security facade developed by SOMMER was clad in architectural bronze.



National Museum, Oslo
MULTITHERM® facade in bronze,
MULTITHERM® glass roof,
FU tubular frame doors,
FU SLIDE sliding doors,
O·S·T® sheet steel doors,
Revolving doors,
SHEV flaps

ITER, France
HEAVY NUCLEAR DOORS consisting of:
46 port cell doors, 4 lift lobby doors

ITER, France

46 heavy nuclear doors surround the tokamak on three levels, each closing off an access cell. Door weights of approx. 72 t are achieved. An integrated wicket door allows direct access to the rooms behind, without dependence on drive and locking automatics. Thanks to this special "trick" of the door in the gate, the high requirements for evacuation in a given time could be met.
Four further gates in different dimensions (up to 4.0 x 4.2 m) and a weight of up to 20 t are used as lift shaft closures.

PV system on the roof of our production hall in Döhlau, Bavaria

Sustainability

Safe solutions whose quality extends far into the future

We utilise steel, aluminium and glass and thus future-proof materials that are recyclable and durable. As a member of the German Sustainable Building Council (DGNB e. V.), we are actively working on the facades and constructions of tomorrow. In addition, we are involved in the A|U|F e. V., which promotes the responsible disposal and processing of selected building elements/building profiles of windows, doors and facades made of aluminium for the purpose of material reuse.

Houses like trees, cities like forests – with our solutions we contribute to buildings becoming energy producers instead of energy guzzlers.
We develop facades with integrated photovoltaic modules and heat-insulating properties, promote innovations and participate in research projects for a climate-friendly energy supply.

We process recyclable materials and are committed to recovering and recycling materials used in buildings.
As an industrial company, we strive for a consistent circular economy in which our products and materials circulate in the technosphere along the lines of cradle to cradle.

Our goal is to become a climate-positive company – from the manufacturing of our products to the lighting of our interiors and our vehicle fleet.
We are continuously working to minimise our direct and indirect emissions in order to achieve the global goal – climate neutrality by 2050.

In close partnership with our customers, we develop efficient, technologically mature and economical solutions.
As a technology-focused company, we know that education and research are the engines of innovation. That is why we place a special focus on in-company training and promote the further training of our employees at all levels.

Respect in mutual cooperation, secure jobs and training and further education are the hallmarks of our company culture.
Respectful treatment of employees, suppliers and customers is a self-evident obligation for us. Any form of discrimination and bullying is prohibited in our company. We are constantly improving working conditions and accident prevention in the company and at our assembly sites and share responsibility for each other. We are aware that employees make the most decisive contribution to the company's success.

We stand for diversity, creativity and innovation and live individuality in our cooperation.
We promote the economic inclusion of everyone, regardless of age, gender, disability, ethnicity, origin, religion or economic or other status.

Photo: Andreas Horsky, Aachen

NEW Blauhaus, Mönchengladbach
SOKALTHERM® element facade with integrated photovoltaic elements, aluminium mullion/transom facade

Three business units:
facade, building security,
high security

Facade

The Westlight, Berlin
Element facade system SOMMER SOKALTHERM®, mullion/transom steel facade SOMMER MULTITHERM®, mullion/transom aluminium facade

Contemporary architecture thrives on ideas and forward-looking visions – SOMMER makes them a reality.
We implement individual facade designs in all object sizes and functional dimensions technologically and aesthetically.

SOMMER creates safe environments in publicly accessible buildings.

RWTH Aachen Campus Melaten, Aachen
SOKALTHERM® aluminium windows, aluminium mullion/transom facade, MULTITHERM® steel mullion/transom facade, sheet metal cladding, atrium facade, MULTITHERM® steel glass roof, interior glare protection

Photos: HGEsch, Hennef

SOKALTHERM® facade system
A SOMMER proprietary profile system

The SOKALTHERM® system of thermally separated aluminium profiles is suitable for facade constructions as well as for window and door constructions. The special profiles developed in-house, which are characterised by high stability and torsional rigidity, allow individual profile geometries.

MULTITHERM® facade system
A SOMMER proprietary profile system

The MULTITHERM® system made of steel or aluminium can be used as an insulating glass facade, fire protection facade, security facade or as roof glazing and, in addition to its high protective function, fulfils all the structural-physical requirements of a mullion/transom facade.

Photos: Jürgen Schmidt Fotografie, Cologne

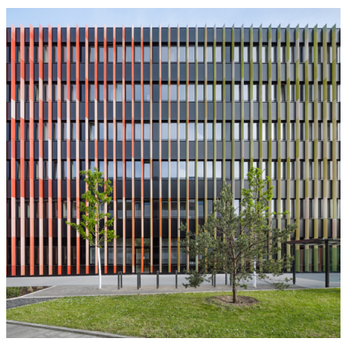
CIO – Centre for Integrated Oncology University Hospital, Cologne

Germany's largest outpatient clinic for cancer patients is spread over around 14,000 m² and seven floors. The CIO is the largest new hospital building on the grounds of the University Hospital Cologne. Every year, about 24,000 patients are treated there.

Due to the central location and the urgently needed expansion space for the central hospital, the building structure was designed to be very compact. It extends over the entire available plot by making full use of the space. This means narrow access roads and little storage space for the facade components to be assembled. SOMMER met this challenge with an assembly concept that was well thought out down to the last detail.

The Centre for Integrated Oncology houses various treatment, laboratory and office rooms.

The architecture of the new therapy building, designed by a subsidiary of the University Hospital Cologne, is also intended to ensure that the often traumatised cancer patients feel as comfortable as possible. In addition to the building's appealing SOMMER exterior facade, which is designed to blend in with its surroundings in terms of colour, the new CIO has two light-filled inner courtyards, one of which has a three-storey roof as an entrance atrium.



CIO, Cologne
Aluminium box-type windows with impact pane, mullion/transom facade (inner courtyard), element facade, sun protection, (multi)-bicolour aluminium pilaster strips with DURAFLON surface (allowing different colours, depending on the viewing direction), SOKALTHERM® window strips, SOKALTHERM® elements with impact pane, perforated sheet metal cladding in the inner courtyard

The "pixel design" of the building features 7,748 multicoloured triangular pilasters.

50Hertz Netzquartier, Berlin

first DGNB Diamond-awarded building

One of SOMMER's goals is to continuously improve the sustainability of our construction projects by complying with the specifications of sustainability system certificates such as LEED, DGNB during planning, production, assembly and deconstruction. That is why we have been a member of the DGNB e. V. since 2019. The Netzquartier was awarded LEED Gold and DGNB Gold and, due to its outstanding architecture, was also the first building worldwide to be awarded DGNB Diamond. This certificate recognises not only the sustainable construction method, but also the design and architectural quality.

In order to create a more varied facade image, individual columns were omitted and others were added again in a smaller grid. The resulting net-like framework allows for column-free interior spaces, which means that the rooms can be used and designed variably.

50Hertz, Berlin
Aluminium facade, SOKALTHERM® windows, sheet metal soffits, gratings as escape routes, rope safety system

Building security

Paddington Station, London
MULTITHERM® steel/glass facade with the highest safety require-ments, MULTITHERM® glass roof with cold-bent glazing with highest safety requirements, special cladding and safety dividers

Highest protection classes aesthetically integrated into the architecture

Public buildings are increasingly targets of vandalism, crime and terrorist attacks. To protect visitors, valuables and the building from the effects of attacks, SOMMER provides **solutions to protect the entire building envelope**.

SOMMER offers a unique range of services for securing and protecting military installations and properties.

We have several decades of experience in handling military security projects of all sizes and cover all relevant areas from consulting, planning, development, testing and certification, design, manufacturing, logistics to installation and maintenance.

Army Lodge, Wiesbaden
SOMMER A-T-F-P facade, aluminium windows and doors, steel sliding doors

Photos: Stefan Streit, Königstein im Taunus

The demands on security-relevant technologies are growing with the ever-increasing potential dangers around the globe.

Security is our calling.
That is why we have been making the world a little safer together with our customers - in more than 30 countries for 130 years.

MULTITHERM® facade system Security

A SOMMER proprietary profile system

All building physics requirements for a facade are met by the SOMMER system. Furthermore, the facade system protects against burglary, bullets and shock waves, also when combined.

SOKALTHERM® forensic/custody window

A SOMMER proprietary profile system

The burglar-resistant, suicide-resistant SOKALTHERM® forensic and custody window made of aluminium with multi-level security locking system, massively reinforced outer and inner shell, minimised gap dimensions, concealed fittings and anti-throw-through glass ensures high security, even without a grille.

O·S·T® object security doors B·S·T® fire doors

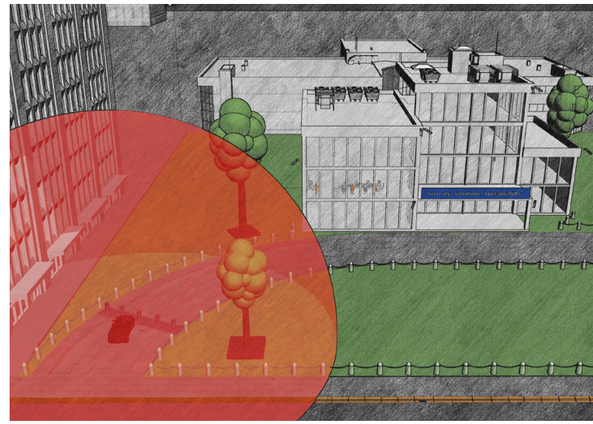
SOMMER O·S·T® object security doors and SOMMER B·S·T® fire doors are tested and certified according to national and international standards. They meet the requirements of smoke and fire protection up to EI_2 120, burglary resistance up to RC5, bullet resistance up to FB7 and are resistant to pressure waves. The doors prevent the penetration of high water and radiation, are airtight and highly heat and sound insulating.

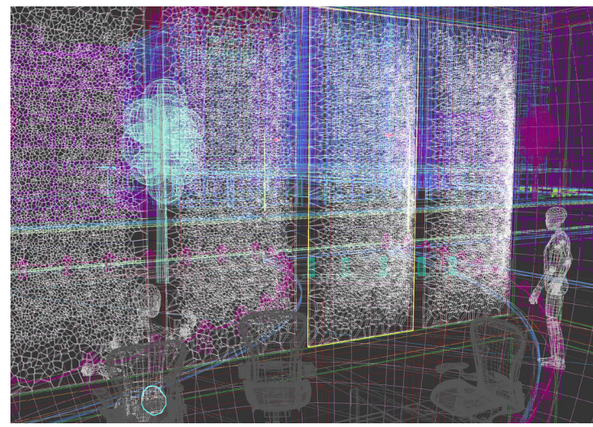
Blast resistance in new dimensions

Embassy or government buildings are increasingly exposed to the risk of terrorist attacks and are therefore secured with various building protection measures.

SOMMER products are subject to thorough testing, regardless of the standards or customer requirements on which they are based, and are backed up by certificates from accredited institutes. In individual cases, the derivation of test results on elements of other dimensions can be carried out by specialised, independent engineering companies, but only on presentation of numerous test results on successfully completed tests. SOMMER has extensive testing experience and broad expertise in how pressure waves affect different elements. This expertise comes into play especially with large-area elements that react particularly sensitively to explosion pressure.

Our MULTITHERM® mullion-transom system offers guaranteed protection up to a construction size of 1,900 mm x 4,400 mm and a reflected pressure of up to 200 kPa.
For each project, we take into account the object-specific conditions. The facade system can be designed on the basis of a steel or aluminium support structure. Depending on the object requirements, the supporting structure can be designed in various geometric shapes such as sharp-edged welded hollow steel sections. Various applications, such as high-quality wood panelling, are also possible. The facade system can be combined with various security requirements and/or insert elements, such as windows or doors.





Safeguarding valuable exhibits in a visually appealing environment

It is not only exhibits that are meant to impress visitors, but the museum itself is also an eye-catcher. It was designed as a clean-cut, solidly constructed building. The large buildings combine visual and design requirements of the future. Coordinated with the colour concept of the architects Kleihues + Schuwerk, SOMMER developed project-specific solutions for the building envelope together with the planners.

The facade with large glass panes and the glass roof in bronze, manufactured in the SOMMER MULTITHERM® system, supplemented by fire protection security doors and an oversized roof hatch for bringing in large-format exhibits, give one of the leading cultural centres in Europe an unmistakable face.

New National Museum Norway, Oslo

In order to protect people, art treasures and buildings from the effects of attacks, we work together with architects, planners, project developers and building owners to develop viable solutions for securing the entire building envelope.

National Museum, Oslo
MULTITHERM® facade in bronze, MULTITHERM® glass roof, FU tubular frame doors, FU SLIDE sliding doors, O·S·T® sheet steel doors, revolving doors, SHEV flaps

Uerschterhaff Prison, Luxembourg

new pre-trial detention centre with smaller accommodation units and more freedom of movement

The opening took place within the framework of a modernisation of the prison system and contributes to the improvement of prison conditions. The new correctional centre, built on an 8.6-hectare site in Sanem Municipality, can accommodate 400 male remand prisoners and around 350 staff.

Images: Screenshots from youtube.com/@administrationpenitentiaire

Uerschterhaff Prison, Luxembourg
Around 1,600 doors: SOMMER HRT detention room doors, SOMMER S1 sheet steel doors as fire protection doors of type B·S·T®, object security doors of type O·S·T® and external doors, tubular frame doors
Fixed glazing partly as supervisory glazing with sheet steel cladding in "galvanised look", tubular frame sliding windows, roller blinds as privacy screens on the glass fields of the doors

powerful security concept

SOMMER manufactured and installed **around 1,600 doors** for the correctional centre, including **fire protection, smoke protection, detention room and shaft room doors**.

With its hexagonal overall shape, the complex meets the organisational and security requirements of the prison service. The buildings are also equipped with thermal solar collectors for water heating and photovoltaic modules installed on the roofs for electricity generation.

ITER, France
HEAVY NUCLEAR DOORS
Consisting of: 46 port cell doors,
4 lift lobby doors

High security

Photo: F4EITER Organization

Specialists in safety equipment

O·S·T® barrier high-security door

The SOMMER O·S·T® barrier is a high-security door that meets the high tightness requirements against the entry of air, gas, water and radiation and yet is permanently easy to operate due to its outstanding engineering.

O·S·T® barrier high-security gate

The SOMMER O·S·T® barrier is a high-security gate that meets the high property protection requirements in all respects. It is low-maintenance, durable and easy to operate.

O·S·G barrier object protection grille

This grille is designed to protect ventilation openings against external hazards while allowing air to flow through it. This type of object protection grille mainly consists of specially shaped slats enclosed by a frame. The entire grille is welded into a mounting frame that is firmly set in concrete in the wall.

High-security barrier High-security bollards

SOMMER manufactures barriers and access barriers up to the highest security levels and supplies access control systems and separation systems.

New developments on behalf of the customer are our core area of expertise.

SOMMER's security gates and security doors (internal and external) meet requirements and qualification measures to guarantee earthquake, fire and/or tornado safety.
The basis for this is provided by elaborate simulations in combination with load tests on real structures, which are realised in cooperation with renowned institutes. It is precisely in high security that the extraordinary solution competence of our development department becomes apparent.

Olkiluoto 3, Eurajoki, Finland
O·S·G® barrier high-security doors, O·S·G® barrier object protection grilles, sliding gates, Airplane Crash (APC) doors, O·S·T® object protection doors, B·S·T® fire protection doors, D·I·T® industrial doors, ventilation flaps, installation frames

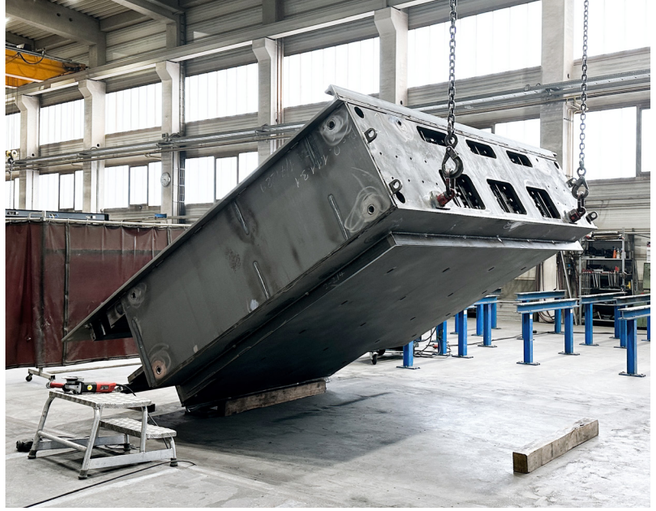
ITER, Cadarache, France

The ITER (International Thermonuclear Experimental Reactor) project is one of the most ambitious international research projects for electricity generation from fusion energy!
In the south of France, 35 nations are working together to build the world's largest tokamak, a magnetic fusion facility designed to prove the feasibility of fusion as a safe, carbon-free and virtually unlimited source of energy on a large scale, based on the same principle that powers our sun and stars.
The fusion process at ITER requires a small amount of tritium, a radioactive form of hydrogen with a half-life of 12.3 years. The confinement of this radioactive element within the fuel cycle is one of the most important security objectives for ITER.
The special demand lies in the implementation of innovative requirements for the safety components. For the very heavy components, we developed special lifting and transport equipment so that handling and logistics are effectively integrated into the construction process. The high-security gates manufactured by SOMMER are durable, airtight and watertight and protect against radioactive radiation and heat. Even in the event of a catastrophic rupture in the tokamak, the levels of radioactivity outside the ITER enclosure would remain very low.

With the signing of the TB20 contract in December 2022, SOMMER has been participating with even three contracts for over ten years in an unprecedentedly revolutionary energy project. The team behind ITER was awarded the "Best Building History Project of 2022" by TheB1M, a frequently subscribed and viewed construction video channel worldwide (more than 20 million monthly views).
SOMMER is proud to be able to further strengthen its presence as a strategically important partner in nuclear fusion with 136 additional confinement and shielding doors.

unlimited energy: the largest tokamak in the world

Photo: F4E/ITER Organization



Hinkley Point C, Somerset, England

Hinkley Point C (HPC) is a nuclear power station being built in Somerset, England, which will supply approximately 6 million homes with low-carbon electricity and provide business opportunities locally, nationally and internationally.

Hinkley Point C, England
Supply of embedded frames, grilles, doors, gates, blast dampers, burst membranes, various floor and ceiling hedges as well as special security doors

extraordinary safety requirements

SOMMER is involved in this project with a total of three orders worth more than EUR 100 million. Complex projects like these present us with great challenges, which on the one hand have to be underpinned by years of experience in power plant construction and on the other hand are mastered by the personal commitment of each individual. The extraordinary commitment of all those involved as well as the open and goal-oriented communication was honoured with the "Supply Chain Award" of our client.

Value creation from Upper Franconia

SOMMER is a leading international full-service manufacturer of high security technology and protection systems. As a specialist in highly complex, individual building solutions, we cover all links in the value chain, from project planning to international project realisation.

Based on the wishes of our customers, we are on the one hand a solution provider who pulls all the strings as a project logistics specialist, and on the other hand we produce all system-supporting components in-house on our own machines.

Our development and manufacturing know-how guarantees the highest quality - made in Germany!

your full service partner

Sales: Our sales team transfers our customers' ideas and requirements for the design and functionality of their building project to our product portfolio. We accompany every project from the beginning in close cooperation - as a partnership and without losing sight of the balance between feasibility and profitability.

Development: A team of approximately 20 engineers and structural engineers lays the foundation for the successful implementation of each individual customer project with its innovative development work and solid pre-project planning.

Project management: SOMMER project management guarantees highly professional processing from order receipt to planning and controlling to project completion and service.

Construction: SOMMER has comprehensive in-house design expertise in all product areas.

Manufacturing: High production breadth and vertical integration are the hallmarks of production at SOMMER and an expression of the highest level of competence in the processing of steel and sheet metal.

Logistics: The on-time and safe transport of our constructions directly to the construction sites is another essential element of smooth project processes. In doing so, we safeguard our logistical competence with our own fleet of vehicles.

Assembly: The assembly of our components and systems is of particular importance in the value creation process. Our fitters and numerous installation partners face this task with their craftsmanship and system know-how.

Maintenance/service: We offer our customers comprehensive services at all project locations - whether national or international.

Award-winning training

To be able to provide customised solutions in the areas of facade construction, building security and high security now and in future, we promote young talent with excellent training and personal coaching.

Our in-company training offers varied tasks, dedicated supervision and an agile working environment. Our apprentices regularly receive state and national awards for their outstanding results.

health-promoting office equipment and open corporate culture

Project management requires agile working in a team-orientated digital environment! That is why we have set ourselves the goal of creating a communicative, solutions-focused working environment for our employees with clear principles of order and creative zones with a feel-good character. In doing so, we take into account the change in the world of work through digitalisation and implement insights from the pandemic experience.

Our employees can customise their working environment, such as regulating the room temperature themselves, ventilating naturally and healthily, controlling the working light individually and adjusting the height of their desks. Conference rooms with large touch screens, work and chill lounges as well as workshop zones also enable employees, customers and project partners to feel comfortable in different work situations.

Four generations

Visionary thinking, innovative strength and consistent adherence to excellent product quality – these are the cornerstones on which the success of our company is based, which in more than 130 years has developed into a nationally and internationally sought-after partner in the fields of facade construction, building security and high-security technology.

... 1890 - 1933
Eduard Sommer learned a lot during his locksmith apprenticeship and so he decided to take over his master locksmith Pfeiffer's business on 9 June 1890. With four journeymen, 23-year-old Eduard Sommer started his own business. As the construction industry boomed, doors and windows also needed grilles, locks and fittings. The visionary Sommer was one of the first to introduce electricity, telephones and autogenous welding in the company.

... 1933 - 1962
The path to becoming a solution provider in the areas of facade and building security was already paved by Franz Sommer. He took over the business from his father, the company founder Eduard Sommer, in 1933 and began manufacturing windows and doors for safety-relevant fire compartments in buildings. The company took the next step towards the future in 1958: SOMMER developed and constructed its first facade entirely from aluminium.

since 1890 ...
inventiveness and
the drive to research

... 1962 - 2002
The development of the company from 1962 onwards under the management of the third generation, Horst Sommer, is characterised by its steady and consistent expansion. Whether it is the relocation of the company headquarters and production to a new large plant in Döhlau - the current location - the first order in the field of high security for nuclear facilities, the first foreign and large orders or the organisational restructuring of the company into individual business areas - Horst Sommer gives the company the decisive push in 40 years of entrepreneurial activity to grow dynamically in all areas.

... since 2002
In 2002, Iris Sommer-Pechstein and Oliver Sommer took over the management of the company, now representing the fourth generation. Their goal is the further internationalisation of the company's business activities. For this purpose, they set up several foreign subsidiaries, including in the USA, UK and France. Thinking big is bearing fruit and is having a positive impact on all three of today's business segments – facade, building security and high security – with major national and international contracts.

sommer-hof.com

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