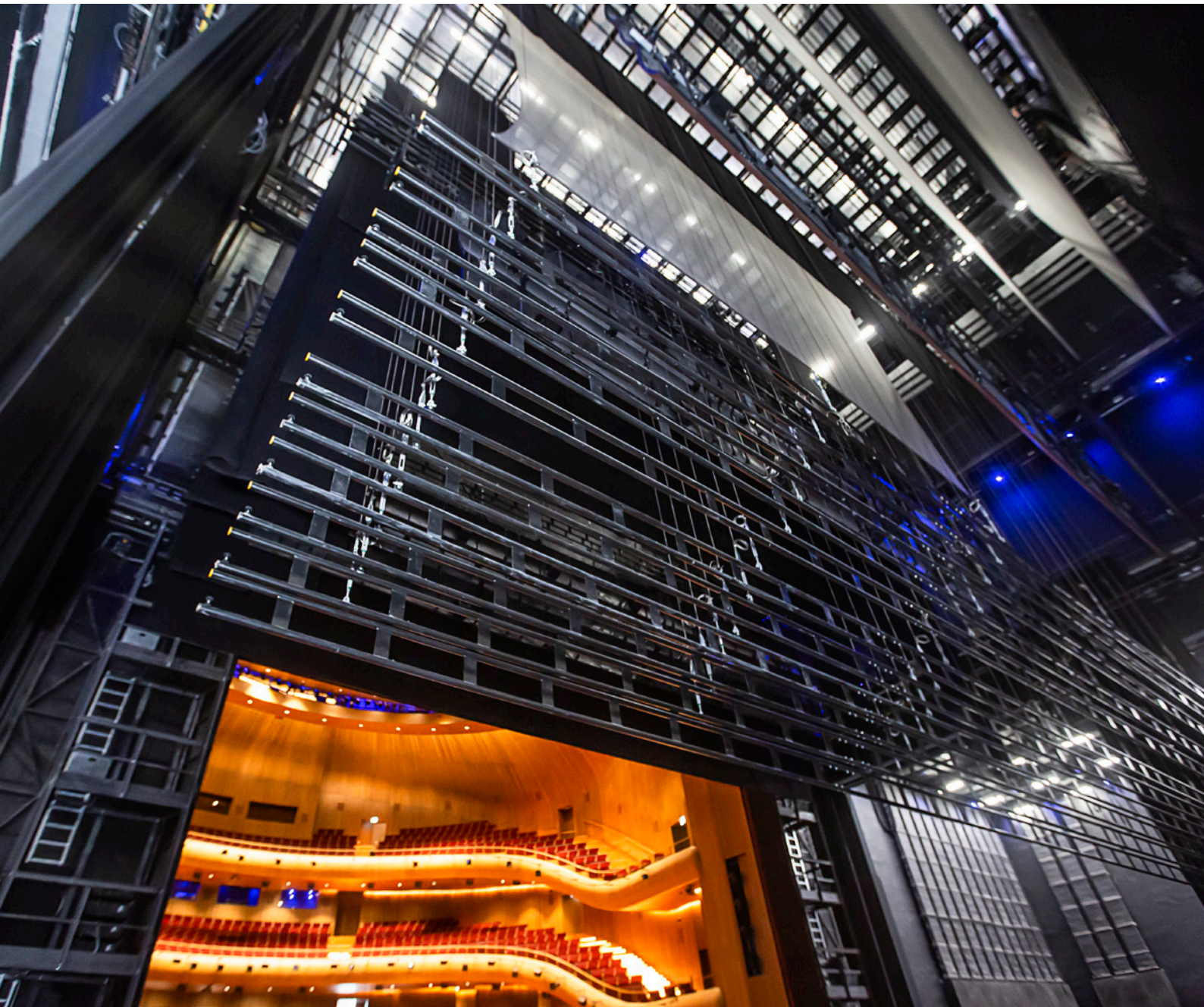


waagner

STAGE
SYSTEMS

biro



The Stage Is Yours!
170 Years of Know-How

The stage is our home – for 170 years, we have shaped the world of stage technology and set new standards in creativity, functionality and safety. From the largest opera houses in the world to state-of-the-art, multifunctional arenas, Waagner-Biro Stage Systems designs stages without putting any limits on your ideas. In celebration of our anniversary, we are looking back with pride on a rich history full of visionary ideas and technical excellence. This brochure invites you to join us on this journey through our milestones, values and visions for the future.

Patrick Sonnleithner,
Chief Technical Officer, Vienna:

Our goal is to revolutionise the world of theatre with forward-thinking innovations. We develop the safest, most functional stage technology to meet the creative needs of the future. Reliable and innovative technologies allow us to create custom, efficient solutions that set new standards in the industry. Our products reflect our high technological standards and guarantee reliable performance.



Helmut Wurzinger,
Chief Financial Officer, Vienna:

At Waagner-Biro Stage Systems, we strive for financial excellence and sustainable growth. Through smart investments and an efficient use of resources, we want to expand our market leadership in stage technology through smart investments and efficient utilisation of resources. For us, transparency and economic stability are essential in order to offer innovative and reliable solutions.



Stages around the world require people around the world.

With our locations and many long-time partnerships all over the globe, we ensure smooth execution and fast response times wherever you are.

200+ employees
40+ countries
20k+ axes
170 years of Know-How



Austria

Our 100+ employees in Vienna are constantly pushing the boundaries of mechanical and electrical stage design. As headquarters we ensure seamless execution of global projects, offering tailored solutions and top-notch support.

Luxembourg

In Rodange we're a close-knit, multinational team of 50+, creating the world's most advanced stage control system: the heart & brain of every modern stage. Working closely with our clients, we know first-hand what it means to operate a stage.

Germany

Let's move your audience! Literally – and proverbially! Our team of 20+ experts create moving seating systems to transform your venue in mere minutes. Long-standing relationships in the industry means, we can deliver customised solutions quickly.

Further locations in China (PRC), Great Britain and Spain, among others.



Location Austria



Location Luxembourg



Location Germany

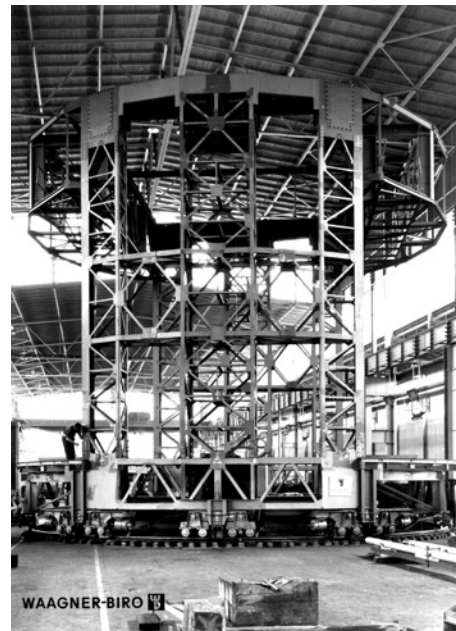
Our vision for the future is firmly rooted in our ambition to continuously shape the world of theatre through outstanding quality and creativity.

In the coming years, we will focus on maximum flexibility in fulfilling customer wishes to meet the individual requirements of each project. Our customers take centre stage – which is why we stand by them throughout the entire project life cycle, from the concept phase, engineering, delivery, installation, and commissioning to ongoing maintenance and updates.



A central component of our vision is our dedicated team.

A motivated, highly educated and communicative team that are ready to continuously learn new things and take on new challenges. This corporate culture is the engine that drives us not only to comply with the current standards, but also to actively develop these further. By blending traditional craftsmanship with state-of-the-art technology, we strive to create unique stage solutions that are both functional and aesthetically pleasing. Our vision is to continue to be synonymous with quality and reliability while keeping our eyes firmly fixed on the future in order to shape the theatrical world of tomorrow.





1854

Founding

In 1854, the Austrian monarchy is at the height of its wealth – and right in the middle of it, two companies that later would become Waagner Biro, are founded by Rudolph Philipp Waagner and Anton Biró respectively.

1869

The new opera house

1869 marks the beginning of the expansion of theater throughout Europe with the opening of the new Vienna Opera. The stage was built by Ignaz Gridt, whose company would join Waagner Biro in 1934.

1905

Safety First

Together with the Viennese architects Fellner & Helmer, Waagner Biro develop the first fire-protection appliances for theaters. Our research is the basis for theater safety regulations since 1911.

1954

Reconstruction

After the war Waagner Biro is heavily involved in reconstructing Austria and Central Europe. Amongst others, we re-built the Burgtheater – one of the world's most prestigious theatres.

1972

Sydney Opera

While Waagner Biro has been successfully international since the 50s, the opening of the Sydney Opera marks our global breakthrough. Both the steel shells and the stage equipment were provided by us.

1989

Computer control

Only few years after the first IBM-PC, Waagner Biro Luxembourg developed our computer based C·A·T control, which to this day is the most advanced control system on the market.

1998

Stands for the audience

To further expand our moving stage systems, our Weiherhammer site in Germany is fully integrated in our global structure, giving clients more options and perfect solutions that extend beyond the stage into the auditorium.

1999

First cruise liner

In 1999, we received our first order for stage technology on the Aurora cruise liner. It was the first of what has now become more than 40 cruise ships.

2018

New pathways

In 2018, the 3 divisions of Waagner-Biro – stage technology, steel construction and bridge construction – separated, which paved the way for new agility and a stronger focus. Since then, Waagner-Biro Stage Systems has been part of grosso Holding GmbH.

2023

New successes

In 2023, Waagner-Biro Stage Systems Group celebrated the highest number of new incoming orders in the company's history.



Vienna State Opera:

Waagner-Biro Stage Systems has been equipping the Vienna State Opera with stage technology since its reconstruction in 1955 and performs regular maintenance. The six main platforms and a 22-meter transport platform ensure efficient usage and safe transport during performances. Once a year, our company makes its mark by quickly converting the stage into a grand ballroom for the Vienna Opera Ball.

Elbphilharmonie Hamburg:

The Elbphilharmonie concert hall, once a warehouse, is today a symbol of artistic and technical mastery and houses two concert halls. We equipped the venue with state-of-the-art stage technology to meet its demanding requirements.



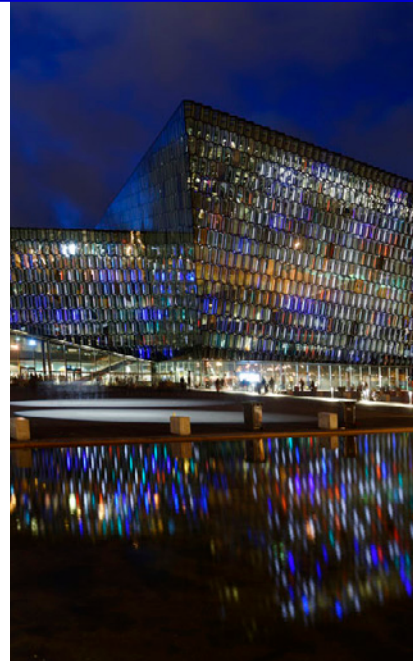
Sydney Opera House:

The Sydney Opera House, an Australian landmark, helped Waagner-Biro Stage Systems break onto the world stage in the 1970s. In 2017 and 2022, we were selected to modernize the stage technology in the Joan Sutherland Theatre and Concert Hall venues. All the stage technology is controlled by the C·A·T system.



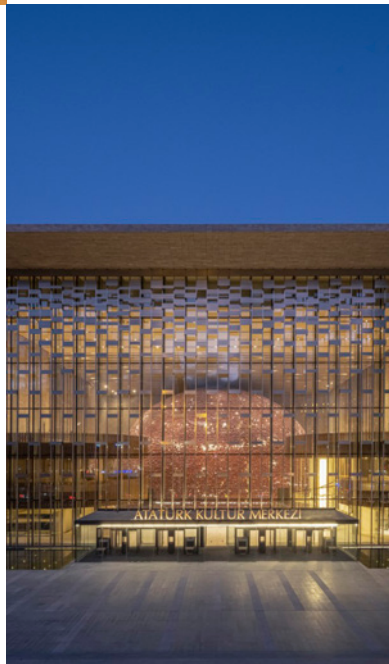
Harpa Concert Hall:

Our company equipped the Harpa Concert Hall in Iceland with a full range of stage technology, including 267 acoustic curtains and 78 acoustic gates, to ensure a versatile and perfect sound experience. A special feature of this building is its red auditorium.



Mercedes-Benz Arena:

The Mercedes-Benz Arena in Berlin offers space for 17,000 visitors. Thanks to our telescopic grandstand system, the area can be flexibly adapted to different events.

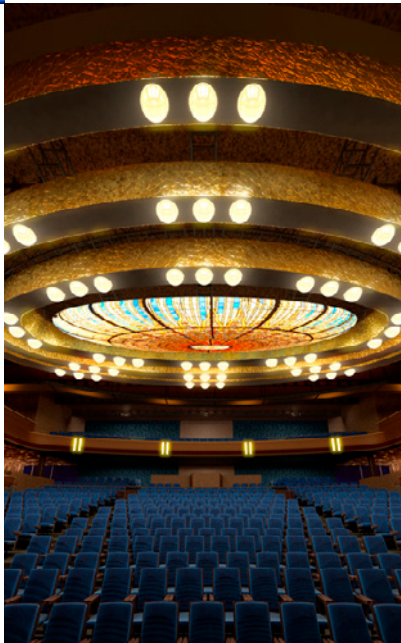


Atatürk Cultural Centre:

After first successfully equipping the venue in the 1870s, we received the order to deliver state-of-the-art stage technology for the reconstruction of the Atatürk Cultural Centre in Istanbul. Controlled by the C·A·T V5 system, it has returned as one of the world's leading cultural institutions after being dormant for decades.

Norwegian Prima and Norwegian Viva:

Cruise liners also use our company's stage technology. The latest additions to our family are the Norwegian Prima and Viva cruise ships. An outstanding feature of these ships is the roughly three-tonne chandelier, which can be raised and lowered to transform the theatre into a disco.



Royal Caribbean Cruise Liner:

The Quantum Class, consisting of 5 ships, features impressive, versatile stage technology. In addition to the theatre, the Two70 Lounge is another venue on board that can be transformed in impressive ways. Equipped with several robotic arms controlled by a C·A·T system and six high-resolution video panels, it offers a unique multimedia experience.



C·A·T has always stood for Computer-Aided Theatre. The control system from Waagner-Biro Stage Systems was developed in 1989 in close collaboration with operators, professional planners and safety experts. The C·A·T system is constantly being further developed and is currently in its fifth generation.



HISTORY OF THE C·A·T CONTROL SYSTEM



1987

FOUNDATION
OF THE
COMPANY
GUDDLAND
DIGITAL





Jean Marie Schiltz, Chief Executive, Luxembourg:

When we equipped the first theatre with a controller 35 years ago, then as Guddland digital, we fell in love with the industry. The unique milieu, the atmosphere backstage, the proximity to art and the exciting personalities who work for or with the theatre, quickly gave us two visions to follow. On one hand, we wanted to manufacture the most successful, state-of-the-art controller on the market, and on the other, we wanted to install it in the most prestigious, well-known performance venues in the world.

The introduction of Waagner-Biro Stage Systems, then Guddland digital, in 2002 allowed us to make these visions a reality. Starting as a 2-person company, we built WBL into the largest controller manufacturer for theatre technology in the world, with about 50 employees. Our aim has always been to continue improving our product, as well as the company.

HISTORY OF THE C·A·T CONTROL SYSTEM



C·A·T 562

2017



C·A·T 560

2019



C·A·T 520

2021

2022

C·A·T V5 AB 2017

C·A·T 530(R)



C·A·T 550



C·A·T 552



C·A·T FUTURE

DIGITAL TWIN

- Enhanced 3D Visualisation
- Remote working

CUSTOMER CARE PROGRAMM

- Service contracts
- Software-on-demand
- C·A·T ACADEMY
- Community

NETWORKING

- Media server
- Lighting technology



C·A·T V5. Powerful. Individual. Safe.

- **Powerful:** With C·A·T, Waagner-Biro Luxemburg is repeatedly setting new standards in stage automation by enabling almost any creative vision with extensive editing and live control functions. C·A·T V5 can handle up to 200 axes simultaneously and react with lightning speed. Even high-speed acrobatics work with C·A·T V5, which is proven by projects such as the Wuxi Taihu Show Theatre in China.
- **Individual:** There are unique requirements for every production and every event location. Having an ergonomic design and optimised workflows enables effective operation without stress.
- **Safe:** For years C·A·T has been meeting the highest safety standards (SIL 3 / PLe), thereby minimising potential risks from operating errors. The protection of actors and technicians is always the top priority.

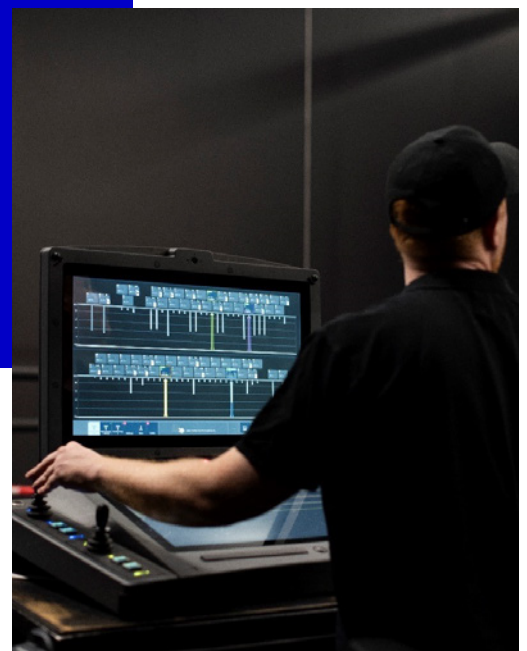
C·A·T V5 is focussed on offering operators of stage machinery an ergonomic and flexible everyday workplace with outstanding user experience which can be used in all event locations, whether large or small, extravagant or simple.

**Roland Jacoby, Chief Executive, Luxembourg:**

Waagner-Biro Luxembourg has been an expert in control systems for 35 years. We are proud to have developed a range of unique selling points together with the Waagner-Biro Stage Systems Group which are can be found in renowned venues around the world. We have a clear vision of our continued role in the stage market and firmly believe that we have set the right course for the future.

Our current developments:

- Customer Care Program for long-term collaboration with our customers. At the heart of this is the C·A·T Academy, the digital knowledge platform for internal as well as external users.
- Research into innovative sensor technology
- Automation of commissioning and maintenance





For decades, Waagner-Biro Stage Systems has stood for innovative solutions and the highest quality standards in stage technology. With a dedicated team and pioneering technologies, we create unforgettable stage experiences around the world and set new standards in the industry.



waagner
STAGE
SYSTEMS **biro**

International project management

200+ creative minds. 60+ projects a year. One goal: leaving a lasting mark on the world stage. As a leading force in stage technology, we empower our customers to shine worldwide.

Custom stages

50+ engineers develop each stage for maximum effect. From individually designed stage technology to kinetic LED art: we realise your visions.

Revolutionary control system

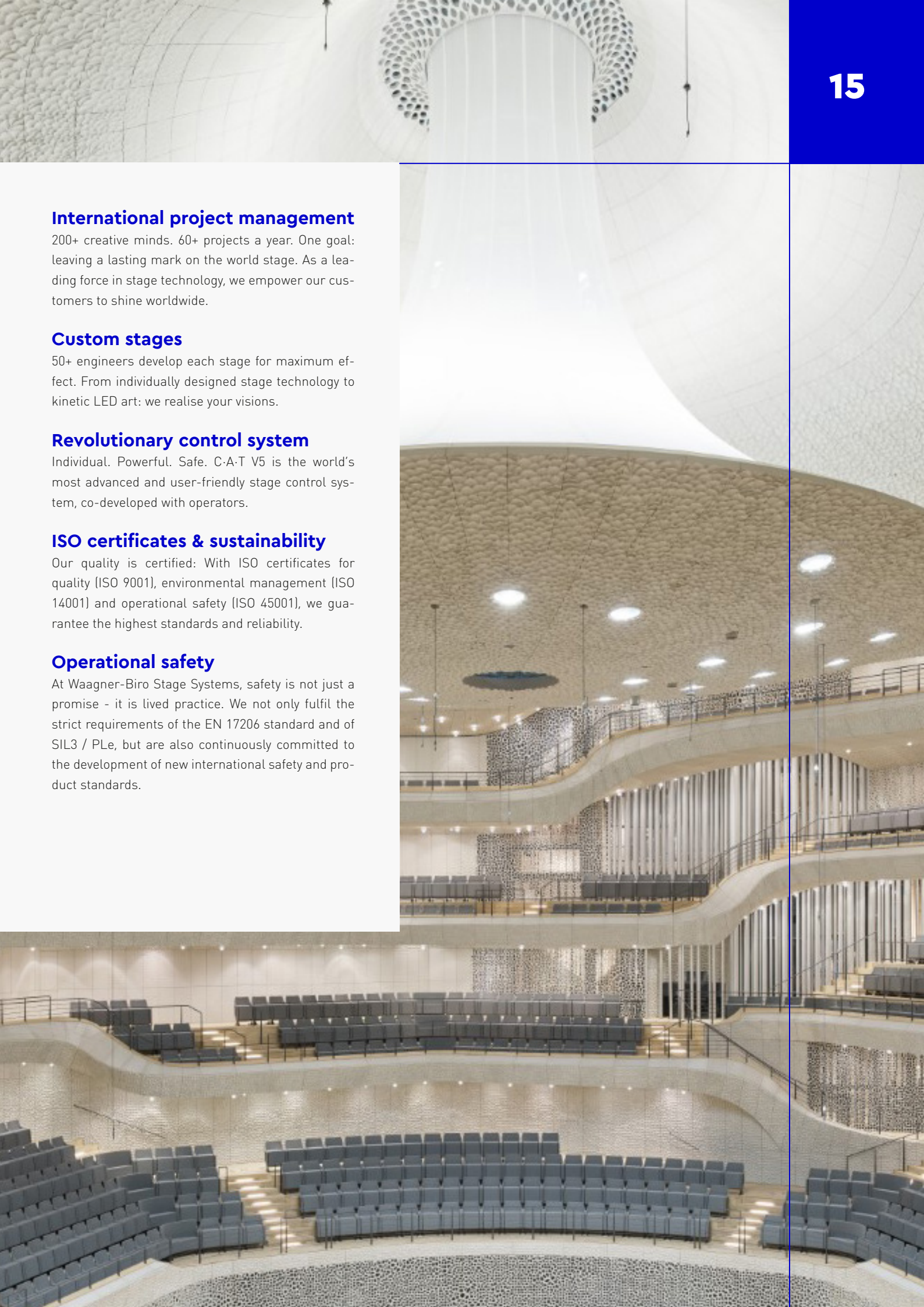
Individual. Powerful. Safe. C-A-T V5 is the world's most advanced and user-friendly stage control system, co-developed with operators.

ISO certificates & sustainability

Our quality is certified: With ISO certificates for quality (ISO 9001), environmental management (ISO 14001) and operational safety (ISO 45001), we guarantee the highest standards and reliability.

Operational safety

At Waagner-Biro Stage Systems, safety is not just a promise - it is lived practice. We not only fulfil the strict requirements of the EN 17206 standard and of SIL3 / PL_e, but are also continuously committed to the development of new international safety and product standards.





Go Global!

Go Global! International collaboration and cultural diversity fuel the work at Waagner-Biro Stage Systems. Join our team of brilliant minds from across the globe and collaborate on projects that fulfill the highest safety standards and are known worldwide for their outstanding reliability.



Be a force of creativity!

No day at Waagner-Biro Stage System is the same. The only constant will be your team's willingness to master the most complex of challenges through collaboration, flexibility, creativity and pure willpower. Together you will invent solutions that go beyond the ordinary and set new standards in quality, durability, and reliability.



Leave a mark!

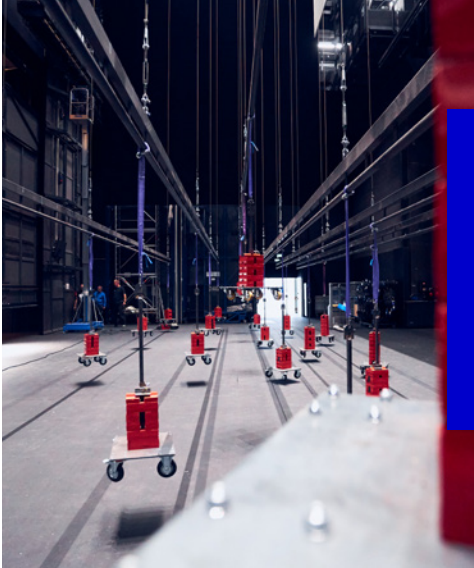
From designing to commissioning, every project is unique, and every venue needs your passion, your tenacity and your expertise. Being part of Wagner-Biro Stage Systems means being part of something big and leaving your mark on the world for decades to come – just like every one of our stages.



Grow with passion!

Take charge of your ideas. That's the only way for you to grow – and for us all as a company of creators. Being part of internationally renowned projects means you will have a steep learning curve ahead of you – but you will never stop growing in and with your team to ensure our high class quality and customer satisfaction.

We want your stage systems to perform at their peak at all times, so we offer tailored maintenance and support solutions. Our goal is to ensure the longevity and reliability of your technology and to communicate to your team the necessary expertise for unforgettable performances.



Maintenance

Regular maintenance is essential for optimal performance. Our comprehensive maintenance services are tailored to the specific needs of mechanics, electrics, and control systems, and include certified expert inspections and third-party systems maintenance

Software subscriptions

Stay ahead with our software subscriptions, which include continuous development, customer involvement programs, and tailored subscription packages to keep your systems innovative and up-to-date.



Spare parts and repairs

Ensure the longevity and reliability of your stage systems with our high-quality spare parts and efficient repair services. Our logistics network ensures prompt delivery and expert on-site if needed repairs to keep your operations running smoothly.

Hotline services

Get support fast with our dedicated hotline services, offering support contracts and direct contact options to assist you. For more details get in contact with us.



Training and standby services

Enhance your team's expertise with our comprehensive training programs and standby services. From on-site and remote training to our digital platform, C-A-T Academy, we provide the knowledge you need for peak performance.



Remote diagnostics

Efficiently troubleshoot and resolve issues with our state-of-the-art remote diagnostics, ensuring minimal downtime and maximum performance. Our remote access network enables us to provide comprehensive support services.



Legal notice

Disclosure in accordance with
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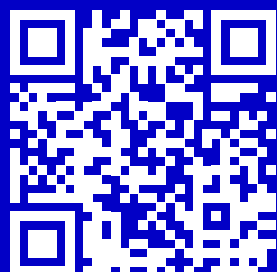
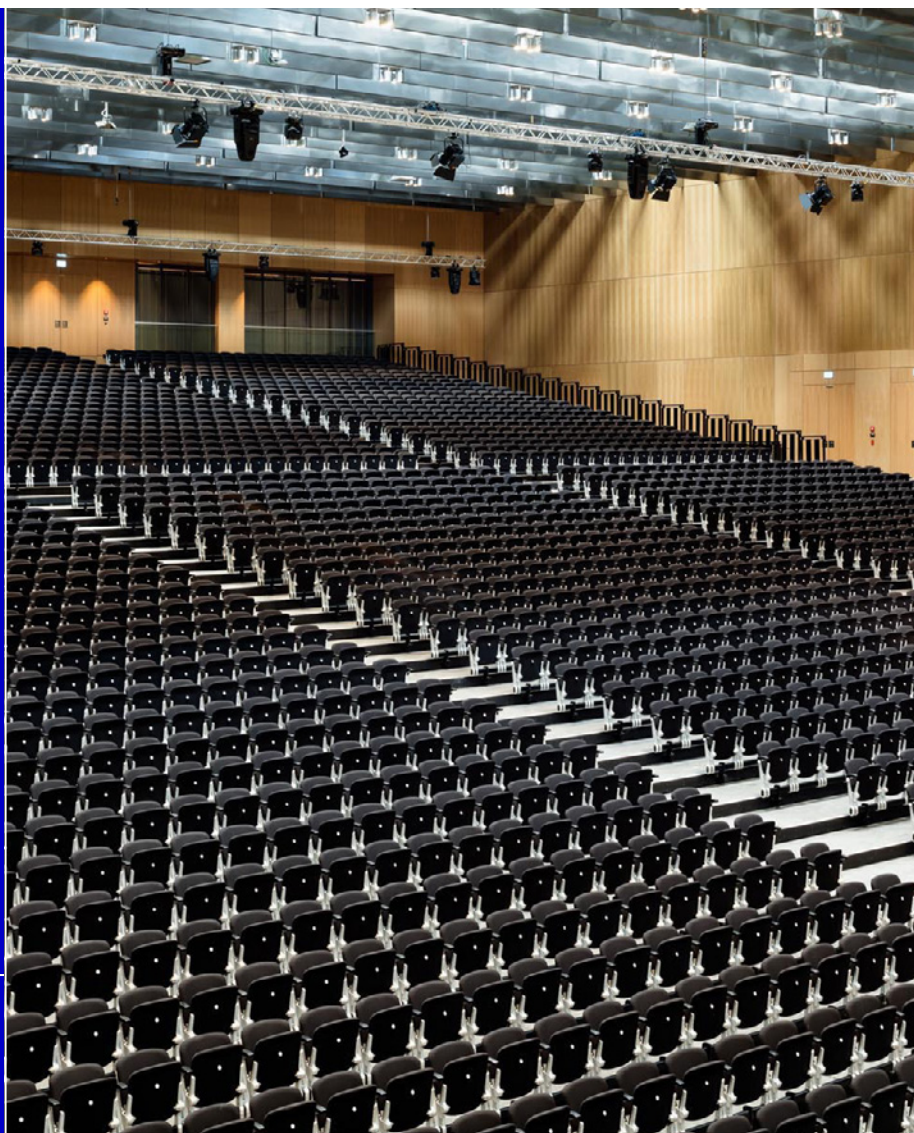
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mechanical engineering

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50 % Herbert Liaunig Privatstiftung



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