

PAN ACOUSTICS

RELIABLE SOLUTIONS
FOR NATURAL AUDIO



NATURAL SOUND FOR MORE THAN 20 YEARS



Udo Borgmann

In 2002, sound enthusiast Udo Borgmann founded Pan Acoustics to turn his vision of an ideal sound system into reality. Excellent acoustics, highest quality and durable products have been the hallmarks of Pan Acoustics speaker systems ever since.

Based in Wolfenbüttel, Germany, we equip locations worldwide. From the Dubai Mall to the Paris-Charles-de-Gaulle Airport to the Cathedral of Milan - our customers appreciate the crystal-clear sound of our loudspeakers.

We combine technology and design with economy to achieve the best results for our customers. We manufacture all products in our industrially producing manufactory.

For us, „Made in Germany“ also means that all components of our sound systems come from Germany. Furthermore, most of our suppliers are located in the region around Wolfenbüttel.

Today, the Pan Acoustics family consists of about 30 members. And we all love challenges.

With state-of-the-art technology, sophisticated sound reinforcement concepts and professional know-how, we find optimal solutions for diverse applications in acoustically challenging environments. Our guiding principle is always pure and natural audio.

Our many years of experience and the urge to always be one step ahead of current technologies make us a pioneer in the field of audio high-tech. Ideas are first born in the mind. What sounds good in thought, we test under real conditions up to the acoustic perfection.

SOLUTIONS MADE IN GERMANY

Made in Germany is not just an empty promise for us. We develop all our solutions, from hardware to software, in-house in Wolfenbüttel in our own development department. Comprehensive expertise is important to us, which is why we do not outsource any of our development focus areas.

In addition to our day-to-day development work, we also place great emphasis on research into future technologies in order to be able to offer relevant solutions on the market for years to come. For this purpose, it is necessary to listen between the lines in discussions with partners, customers and designers in order to filter out the corresponding wishes and necessities.

The production and finishing of all systems also takes place in-house in compliance with the strictest quality criteria. Each loudspeaker is tested before delivery and the measurement results are recorded in detail. When it comes to our suppliers and manufacturing partners, we rely exclusively on regional partners in the immediate vicinity who are closely tied to our company.

Since the foundation of the company, we have placed special emphasis on the reliability and durability of our systems. Thus, in addition to special products with IP65 weather protection for use in outdoor areas, we also offer an option for an extended temperature range for use in hot regions.

As a result, Pan Acoustics has quickly become a leader in the professional sound reinforcement market. As our sound reinforcement solutions for communication have a high industrial vertical range of manufacture, we underline this with up to 10 years warranty on our products!

TRAINING AND SUPPORT

The correct handling of our solutions as well as the transfer of know-how are important to us. Our sales and support team therefore consists of graduated engineers as well as sound and event technicians with many years of practical experience. We are happy to pass on this knowledge in training courses - whether in-house in our own Training and Experience Center or through a variety of webinars and online training courses.

We also offer on-site support for the calibration of systems. And if something doesn't work out as planned, we are there to help you with uncomplicated and unbureaucratic solutions. For us, customer satisfaction is our top priority!

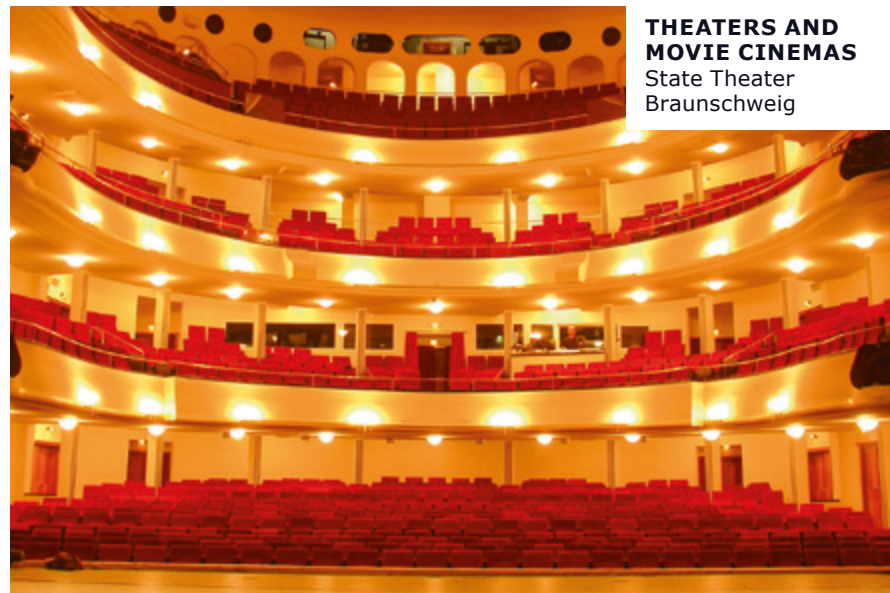


RELIABLE SOLUTIONS FOR NATURAL AUDIO



All of our solutions are designed for natural and un-colored audio reproduction and playback. We want you to listen as if the sound systems were not even there: Unobtrusive, present and clearly intelligible.

To this end, we offer solutions for a wide variety of applications in building infrastructure and emergency communication, education and presentation, UC meeting and conference rooms, religious facilities, government projects, and, together with our sister company Acoustic Control Systems (ACS), in theaters and concert halls.



**THEATERS AND
MOVIE CINEMAS**
State Theater
Braunschweig



**OUTDOOR
SOUND**
Steel Bridge
Harzdrenalin



**SOPHISTICATED
ARCHITECTURE**
James-Simon-Galerie
Museum Island Berlin

A PRECISE SOLUTION FOR EVERY REQUIREMENT

Our speaker systems are first class. Made in Germany. 10-year warranty. But basically they are just a means to an end: finding the perfect solution for our customers' requirements. There are no limits for us. And if there are, we cross them with drive and ingenuity.

For us, always designing the right solution is a kind of sport that we pursue with passion. And this passion unites all people at Pan Acoustics.



**HOUSE OF
WORSHIP**
St. Stephen's Basilica
Budapest



**MONUMENT
PROTECTION**
Exeter College
University of Oxford



**SOPHISTICATED
ARCHITECTURE**
Académie française
Paris



**CHALLENGING
ACOUSTICS**
Charles de Gaulle
Airport Paris



OUTDOOR SOUND
Baseball Stadium
Taipeh



**HOUSE OF
WORSHIP**
Sharjah Mosque
United Arab Emirates



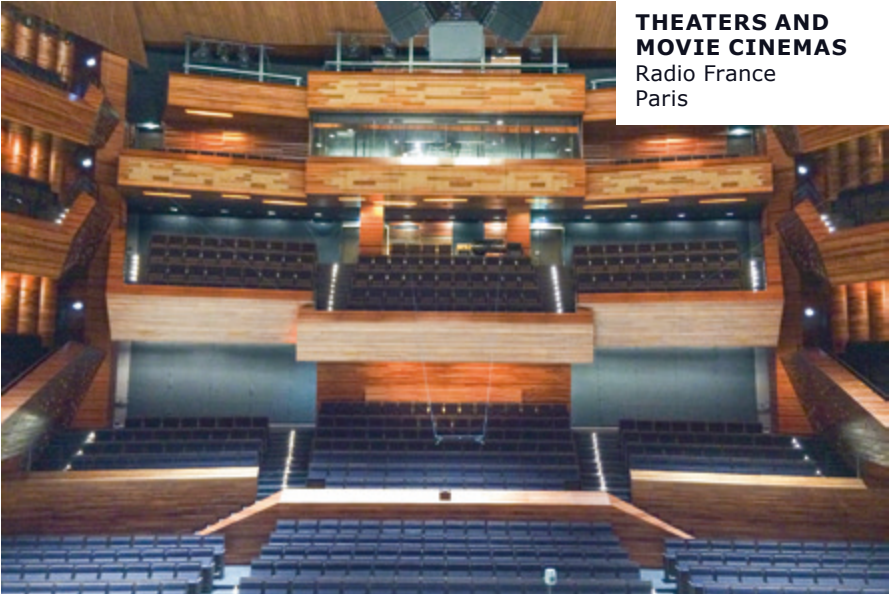
OUTDOOR SOUND
Burj Khalifa
Dubai



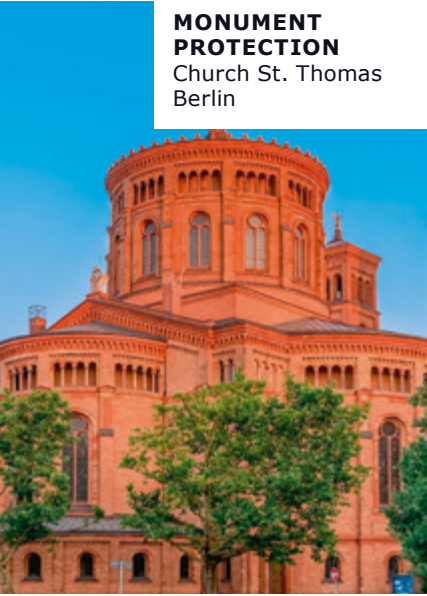
**EDUCATION AND
CONGRESSES**
German Research
Centre for
Geosciences



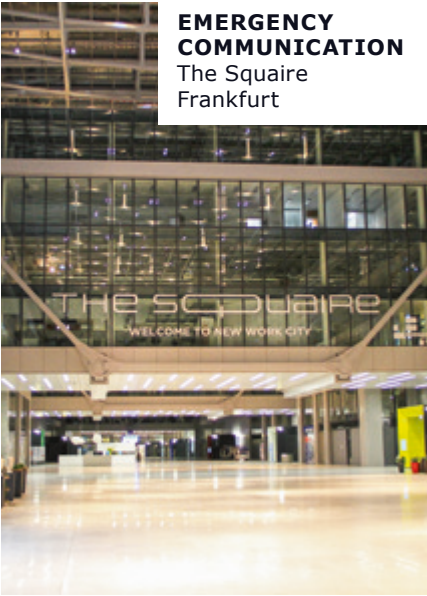
**MONUMENT
PROTECTION**
Church St. Bonifatius
Leipzig



**THEATERS AND
MOVIE CINEMAS**
Radio France
Paris



**MONUMENT
PROTECTION**
Church St. Thomas
Berlin



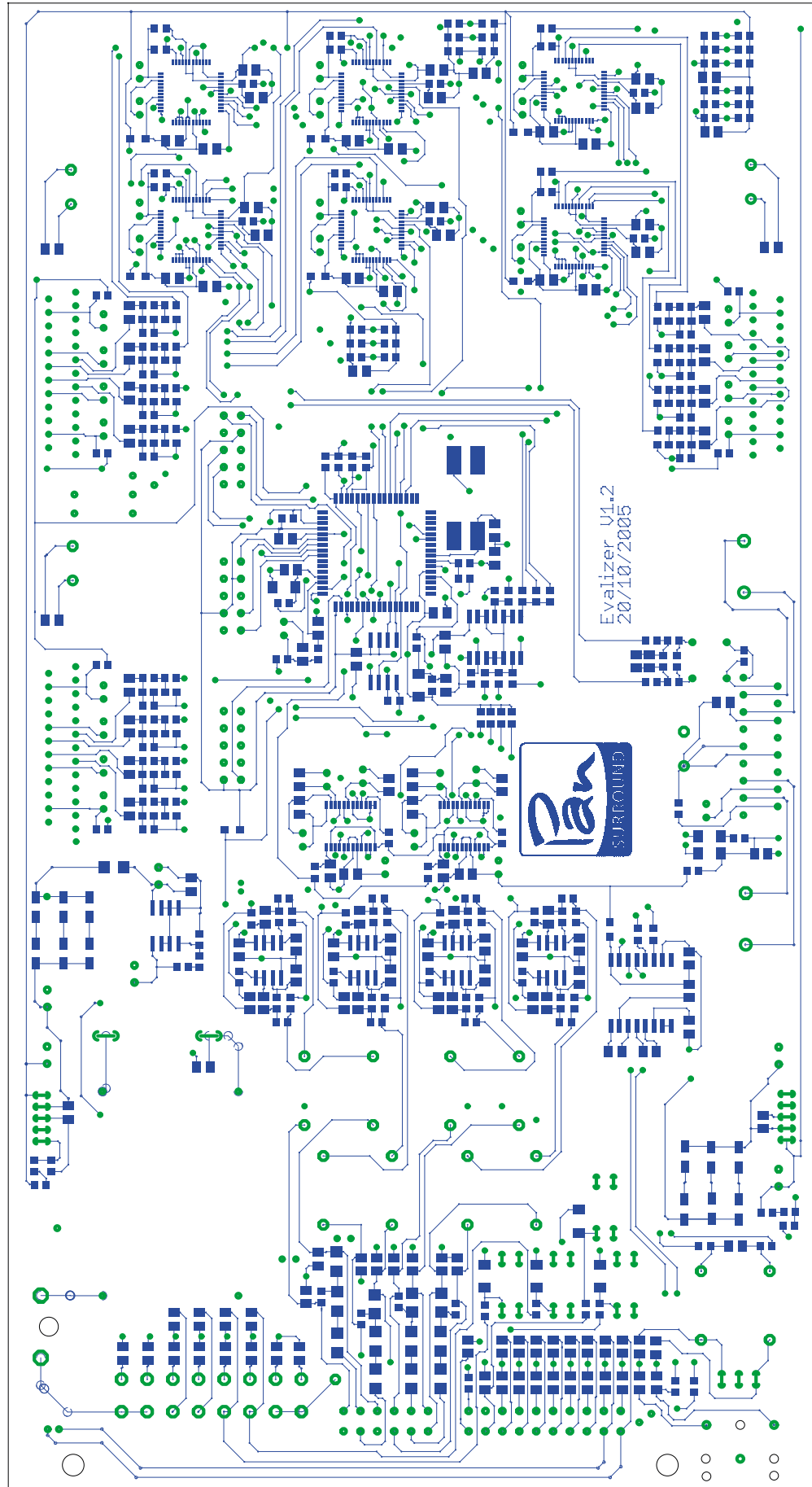
**EMERGENCY
COMMUNICATION**
The Squaire
Frankfurt



**MEETING AND
CONFERENCE**
Meeting Room
Nestlé Headquarter



**EMERGENCY
COMMUNICATION**
Cruise Terminal
Rostock Port



EXPERTISE IN RESEARCH AND DEVELOPMENT

Behind the electronic products of Pan Acoustics hides an immense wealth of ideas, but also general audio-technical and physical knowledge, which is put to the benchmark every day through meticulous research in various academic disciplines.

Thanks to our extensive know-how, we develop synergetic, reliable solutions with research institutions such as universities and renowned institutions such as the Fraunhofer Institute or the German Aerospace Center (DLR), making us a proven partner for safety-critical infrastructure. You could call us outstandingly innovative, we realize visions of the future. Free thinking of our team and developing ideas without limits is explicitly desired.

We produce electronic systems for the sound and security sector by hand and in series at our location according to the highest industrial requirements. In this way, Pan Acoustics finds an answer to every acoustic and security challenge.

We use only high quality materials. This forms the basis for the exceptional and long-lasting operation of our loudspeakers, whose functional and reliable performance goes far beyond the conventional task of sound reinforcement and signaling.

We design our products for arctic sub-zero temperatures, but also for use in temperatures of 50 degrees Celsius in the shade. Special applications and special solutions are a welcome challenge for us.

These features make Pan Acoustics' systems popular for outdoor use. Our proprietary Pan Beam Steering technology provides intelligible acoustic announcements over long ranges. Our proprietary intelligent control electronics and specially programmed software ensure that sound is directed to selected audience areas or areas to be sounded in case of danger.

Our special Pan 2-Line technology uses old, existing cables and makes it possible for new types of digital solutions to be used sustainably even in listed buildings without having to replace the existing infrastructure.

10 years warranty incl. electronics are our statement for sustainability. Therefore, we develop and manufacture our completely recyclable products deliberately without obsolescence, but for the longest possible life span.

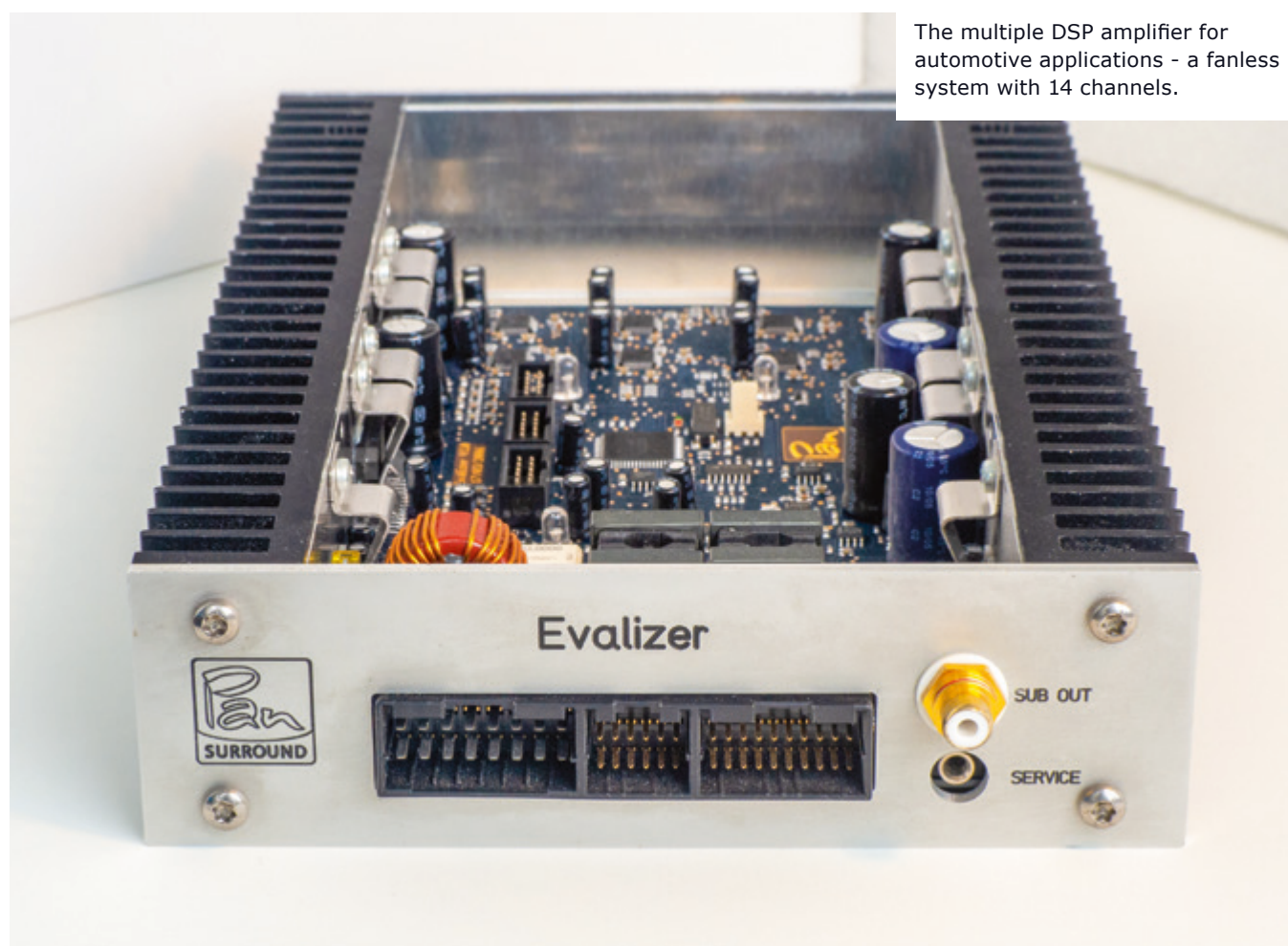
With our products, which we develop with attention to detail, you can plan reliably and for a long time.



In open-pit mining, the active loudspeaker on the right of the picture accurately warns employees when the excavator is approaching.



An acoustic evacuation system in Spain creates announcements over 2,500 meters.



The multiple DSP amplifier for automotive applications - a fanless system with 14 channels.



Simulation of turbine noise with acoustic systems and know-how from Pan Acoustics at DLR.



Acoustic measurements of aircraft noise in simulation.

REFERENCES WORLDWIDE

- Royal Bank of Scotland, Glasgow, UK
- Metro L3 Bilbao, Spain
- Exeter College Oxford, UK
- Great Mosque of Touba, Senegal
- Cabaret Lido Moulin Rouge, Paris
- Hotel Carlton St. Moritz, Switzerland
- City Hall Hanover, Germany
- Biennale Venice, Italy
- Chamber of Commerce Headquarters, Berlin
- Argon Audio Montpellier, France
- Audimax University Berlin
- University of St. Gallen, Switzerland
- University of Groningen, Netherlands
- Church Martinique, Caribbean
- Roadshow VW Golf VI and Audi A8
- Main Station Leipzig, Germany
- Airport Roissy, Paris
- Church Berner Münster, Switzerland
- Coal Mine, Vattenfall, Germany
- Warner Bros. Movie World, Bottrop, Germany
- HDI Insurance, Hanover, Germany
- DiTiB Merkez Mosque, Duisburg, Germany
- Council of States Chamber, Bern, Switzerland
- State Music Academy Lower Saxony, Wolfenbüttel
- TUI Cruises (Mein Schiff 2)
- Industry Auditorium Dietikon, Switzerland
- Airport Lille, France
- Eden ROC/ Hotel, Switzerland
- VW Pavilion Autostadt, Wolfsburg, Germany

- Radio France, Paris
- Audimax University of Applied Sciences, Berlin
- King Salman Hall, Saudi Arabia
- Al Hijra Mosque, Leiden, Netherlands
- Herrenhausen Gardens, Hanover, Germany
- Airport Schiphol, Netherlands
- Portsmouth Cathedral, UK
- Limburg Cathedral, Germany
- St. Georg Cathedral, Singapore
- Supreme Court Muscat, Oman
- Al Rahji Grand Mosque Riad, Saudi Arabia
- Helmholtz Centre, Potsdam, Germany
- Cruise Terminal Bilbao, Spain
- University of Jena, Germany
- National Military Museum Soesterberg, Netherlands
- State Parliament Magdeburg, Germany
- Sharjah Mosque, United Arab Emirates
- Dubai Mall Metro, Burj Khalifa
- Basilica St. Clemens, Hanover, Germany
- Cathedral St. Jean Baptiste, Perpignan, France
- Jahrhunderthalle Bochum, Germany
- TGV Station Besancon, France
- The Squire, Frankfurt am Main, Germany
- Carlton Hotel St. Moritz, Switzerland
- Main Station Rostock, Germany
- Showroom Jägermeister, Wolfenbüttel
- James-Simon-Galerie, Museum Island Berlin
- Cruise Terminal Rostock Port, Germany
- Baseball Stadium Taipeh, Taiwan

- Airport Charles de Gaulle, Paris
- Parliament of Angola
- Station Gare du Nord, Paris
- Leicester Cathedral, UK
- Fraunhofer Institute for Telecommunications, Berlin
- Goldman Sachs Bank, London
- City Hall Paris
- Al Wakrah Stadium, Qatar
- House of Representatives, Jordan
- Banque de France, Paris
- Academie Française, Paris
- Stadshuset Stockholm (Announcement Nobel Prize)
- Abu Dhabi National Oil Company, United Arab Emirates
- Elbbrücken, Hamburg, Germany
- St. Stephen's Basilica Budapest, Hungary
- Headquarter Nestlé, France
- Airport BER Berlin
- National Museum Qatar
- Milan Cathedral, Italy



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