LIGHTWEIGHT ARCHITECTURE –
The single source solution.
Expert for intelligent lightweight construction worldwide

Everything began with the building of the legendary Olympic Stadium in Munich. Though the assembly of lightweight roofs was still in its early stages, PFEIFER led the way with its cable systems. Ever since then, the construction of lightweight structures has been our greatest passion. Today, almost 50 years since the first steps in lightweight architecture, our extensive knowledge in engineering, together with our cable systems, has become an integral part of over 50 stadium roofs and 1000 bridges worldwide.

With perseverance for large-scale projects

With successful projects such as the Cape Town Stadium in South Africa or the Olympic Stadium in London under their belt, PFEIFER presents itself today as “the” general contractor for the specialized field of roofs. As a stand-alone business unit of PFEIFER Seil- und Hebetechnik, a world-leading cable supplier located in Germany, PFEIFER Lightweight Architecture builds upon a sound entrepreneurial basis and demonstrates perseverance with multi-year projects, such as the construction of stadiums.

Minimizing risk with a holistic way of thinking

Nowhere else in the world you can find a company that offers so many skill sets and services from just one provider. These include everything starting from design development, engineering, fabrication to installation and maintenance. We regard each project in its entirety and are familiar with each and every phase of the project and every product used. Maximum efficiency and a solution for every challenge – this is the standard we impose upon ourselves and the commitment we vow to keep with our clients.

PFEIFER as a general contractor for roofs:
Cape Town Stadium, Capetown, South Africa
PFEIFER Lightweight Architecture is the result of a merger between its German parent company and internationally active experts from different disciplines of lightweight architecture. Cable systems from Germany, complex steel and tensile membrane from North America, membrane systems from China, as well as sophisticated movable structures from Austria, are combined and aligned to work seamlessly with each other. Experienced project managers and our on-site technicians complement our international engineering skills. Altogether, this results in a turnkey offer with an one-of-a-kind exceptional quality in consulting and manufacturing found nowhere else on the market.

100 percent made by PFEIFER

Oceanus Casino, Macau, China (top)
ASU Scottsdale Innovation Center, Phoenix, USA (left)
Birds Nest, Beijing, China (right)
GUARD-ALL BUILDING SOLUTIONS

- USA: Design, manufacture, and construction of pre-made lightweight roof and membrane structures

PFEIFER LIGHTWEIGHT ARCHITECTURE

- GERMANY: Turnkey solutions for all applications of lightweight architecture

FABRITEC STRUCTURES

- USA: Design-oriented membrane structures made of PTFE, PVC, and ETFE

PFEIFER COVERTEX

- CHINA: Design, engineering, manufacture, and installation of membranes made of PTFE, PVC, and ETFE

GUARD-ALL BUILDING SOLUTIONS

- USA: Design, manufacture, and construction of pre-made lightweight roof and membrane structures

PFEIFER SYSTEMS

- AUSTRIA: Controls and movable structures for flexible, lightweight structures
Your creativity is in the best hands with us: You deliver the ideas, and we take them from concept to reality, efficiently and as cost effectively as possible without compromising design or engineering. The amount of know-how and problem-solving expertise found here at PFEIFER cannot be found anywhere else. Because at PFEIFER we bundle the knowledge from every single area of lightweight construction and funnel it into the implementation of your project.

Cost transparency from the very beginning
Our calculations are extensive and realistic. We provide the costs for the entire project – from the planning phase to product delivery to the finished building ready for use.

Planning certainty even for large-scale projects
Due to our services being in-house all interfaces are minimized and processes are streamlined. With only one, central point of contact, the construction process runs hitch-free and without any delays.

Quality guaranteed in all areas
Whether we are discussing membranes, steel construction, or cable systems, our in-house manufacturing guarantees outstanding quality for all of our products. You can expect nothing but the best in quality from our service as well. Experienced PFEIFER staff supports you during each phase of your construction project.

Flexibility
Should there be a disruption or a change in development of a project, the teams responsible for consulting, engineering, manufacturing, or assembly have the experience and team knowledge to regroup at short notice. They have been working together for many years and are fully dedicated to the job.
We understand your project is unique

- Whether stadium roof, facade, or bridge, every lightweight construction is one-of-a-kind and should, therefore, be individually planned and executed. Tailor-made solutions build the foundation for your project by utilizing our abundance in services and skills.

Design support
We help you to develop your concept as efficiently as possible. The focus always stays on your ideas.

Cost estimation and feasibility studies at the beginning of the project
We minimize risks and ensure the project reaches the implementation phase by conducting realistic assessments.

Development
Value engineering and cost effectivity are the keywords when planning your projects. The PFEIFER engineers optimize the factors design, material usage, and assembly for your particular goal.

Project management
We count on our staff – on-site as well. Our responsible and competent site supervisors make sure the construction process runs smoothly and without a hitch.

Products
Our cable systems, membranes, and steel structures are customized for your project and prepared for quick assembly.

Assembly
Speed and precision are crucial during the construction process. Both are a priority, which is why PFEIFER values and works with employees with years of experience.

Quality control
We measure and manage the entire process chain during a project, beginning with the manufacture of the necessary products.

Maintenance and supervision
Our technologically leading surveillance systems ensure that your lightweight construction stays as beautiful and safe as planned.
Guangzhou South Railway Station, Guangzhou, China (top left)
Moses Mabhida Stadium, Durban, South Africa (bottom left)
MPI, Erlangen, Germany (right)
References

SPORTS FACILITIES  Olympic Stadium, Munich  •  Lee Valley Velodrome, London  •  Cape Town Stadium, Cape Town  •  Moses Mabhida Stadium, Durban  •  Mercedes Benz Arena, Stuttgart  •  Velodrome National Sports Complex, Abuja  •  Al Sadd Sports Club, Doha  •  Commerzbank Arena, Frankfurt on the Main  •  Asian Games Main Stadium, Busan  •  Khalifa Olympic Stadium, Doha  •  RheinEnergie Stadium, Cologne  •  Estadio Intermunicipal, Faro/Loulé  •  Formel 1 Race Track, Sakhir  •  Lia Manoliu Stadium, Bucharest  •  Indoor Stadium Athens Olympic Sports Center, Athens  •  Seaworld Texas, San Antonio  •  Velodrome Athens Olympic Sports Center, Athens  •  National Stadium Main Bowl Complex, Abuja  •  Volkswagen Arena, Wolfsburg  •  Veltins Arena, Gelsenkirchen  •  Estadio Intermunicipal, Faro/Loulé  •  Formel 1 Race Track, Sakhir  •  Lia Manoliu Stadium, Bucharest  •  Indoor Stadium Athens Olympic Sports Center, Athens  •  Volkswagen Arena, Wolfsburg  •  Veltins Arena, Gelsenkirchen  •  Olympic Stadium, Ashgabat  •  Olympic Stadium, Seville  •  Seville Bullring Centro Integrado de Vista Alegre, Madrid  •  HSH-Nordbank Arena, Hamburg  •  National Aquatic Center, Kuala Lumpur  •  Indoor Tennis Center, Eastleigh  •  Tivoli Stadium, Aachen  •  Bullring, Saragossa  •  Football Stadium, Bari  •  Stadio del Alpi, Turin  •  Stade de Castières, Nîmes  •  Wimbledon Training Hall, London  •  Ice Skating Ring, Memmingen  •  Olympic Stadium, Montreal  •  International Riad Stadium, Riad  •  Olympic Stadium, Munich  •  Swimming Pool, La Paz

BRIDGES  Mary Avenue Pedestrian Bridge, Cupertino  •  Pedestrian Bridge, Mzamba  •  Rudolf-Ihm-Bridge, Raunheim  •  Raymond Barre Bridge, Lyon  •  St. Patrick’s Bridge, Calgary  •  Aggerbogen, Lohmar  •  Aaresteg, Solothurn  •  Bahnstadt Bridge, Heidelberg  •  Nesciobrug, Amsterdam  •  Tree Top Path Bridge, Füssen  •  Pedestrian Bridge, Be’er Sheva  •  Aerial Footbridge, Hof  •  Abbas Ibn Firmas Bridge, Córdoba  •  Atlanta Botanical Garden Treetop Path, Atlanta  •  Harbor Drive Bridge, San Diego  •  Yeouedo Saetgang Munhwa Bridge, Seoul  •  Rokyta Pedestrian Bridge, Prague  •  Viktor Neels Bridge, Eifel National Park  •  Max-Eyth Lake Bridge, Stuttgart  •  Nature Trail in Schönbrunn Zoo, Vienna  •  Pedestrian Bridge Eunpyeong, Seoul  •  Aero Bridge, Solothurn  •  Pasarela Estacion Delicias, Saragossa  •  Pedestrian Bridge Granite, Paris-La Defense  •  Children’s Medical Center Bridge, Dallas  •  Pedestrian Bridge, Gdansk  •  Bridge over the Galindo River, Bilbao  •  Marie Footbridge, Wernstein/Neuburg  •  Black Footbridge, Plauen  •  Pont des Trois Pays, Weil am Rhein  •  Allerpark Plaza Bridge, Wolfsburg  •  Hwajeongcheon Stream Bridge, Ansan City  •  Pedestrian Bridge, Puch near Hallein  •  Passerelle du Têt, Perpignan  •  Pedestrian Bridge, Haßmersheim  •  Passerelle sur l’Oise, Creil  •  Pont Citadelle, Straßburg

ROOFS  EXPO 2015, Milan  •  Apron Airport, Prague  •  Harvard Art Museum, Cambridge  •  Central Station, Wroclaw  •  MGM City Center-Canopies, Las Vegas  •  Crystal Bridges Museum of American Art, Bentonville  •  Beaufort Ice Skating Rink, Beaufort  •  Campus Forum Montrouge, Paris  •  Sports and Theater Hall, Lodz  •  King Abdul Aziz Endowment Project, Mecca  •  National Training Center, Tokyo  •  Atrium Riverside 4, Dublin  •  River City - Amazon Court, Prague  •  Grand Pavilion Showgrounds, Melbourne  •  Music Pavilion, Sun Valley  •  Skylights Al-Masjid an-Nabawi, Prophet’s Mosque, Medina  •  MPI, Erlangen  •  Polonia Sports and Leisure Center, Warsaw  •  Arena Gdynia, Gdynia  •  Office Buildings Rhine River/Rhine Park, Cologne  •  Food Court Canopy - 259 George Street, Sydney  •  Art Museum of Western Virginia, Roanoke  •  Chemsunny Plaza, Beijing  •  Amphitheater Warsaw, Warsaw  •  Railway Station, Strasbourg  •  Speciality retail market Cité, Baden-Baden  •  Killworth House Open-Air Theatre, Leicestershire  •  Kaohsiung Arena, Kaohsiung  •  Stuttgart Trade Fair Center, Stuttgart  •  Main Station, Dresden  •  Imaginalia Shopping Center, Albacete  •  North-South-Roof Train Station, Berlin  •  East Gate Rotundas, Berlin  •  Q6/Q7, Mannheim

FACADES  Busan Bank, Busan  •  High-rise Bank of America (One Bryant Park), New York  •  Financial Street F7/9 Plaza, Beijing  •  Global Village Sales Office, Dubai  •  MIT Brain and Cognitive Center, Boston  •  Art Museum of Western Virginia, Roanoke  •  Chemsunny Plaza, Beijing  •  Wuhan Qintai Theater, Wuhan  •  Anfu Plaza, Beijing  •  Office Building ul. Bobrowieckiej, Warsaw  •  Energy City, Doha

MOVABLE SYSTEMS  BC Place Stadium, Vancouver  •  Msheireb Al Baraha Canopy, Doha  •  Center Court Tennis Facility Rothenbaum, Hamburg  •  Josef Castle, Kufstein  •  Bullring Centro Integrado de Vista Alegre, Madrid  •  Swimming Pool Vitamar, Kleinostheim  •  Al Wakrah Stadium, Al Wakrah
You will find the contact details of our locations and sales partners under www.pfeifer.info/contacts-cs

We look forward to hearing from you!