



Stuttgart  
Berlin  
Dresden  
Erfurt  
Leipzig  
Taipeh

- 1 GeoGeum Bridge, Korea
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- 5 Marienbridge, Railway Bridge across the Elbe River in Dresden



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**Transparent Factory Dresden**

**Client** VW-Automobilmanufaktur Dresden GmbH

**Architect** HENN Architekten Ingenieure

**Services by LAP** Structural design: schematic design, detailed design, site supervision

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**MBP Administration Building Gabriele-Tergit Promenade, Berlin-Center**

**Client** Projektgesellschaft Mendelssohn-Bartholdy-Park mbH & Co. Grundstücks KG

**Architect** Hilmer & Sattler und Albrecht Gesellschaft von Architekten mbH, München/Berlin

**Services by LAP** Structural design: schematic and detailed design



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**Grandhotel Paulskirche Frankfurt/M.**

**Client** Eurogrund Hotelprojekte AG

**Architect** Jourdan & Müller PAS, Frankfurt/M.

**Services by LAP** Structural design: schematic and detailed design

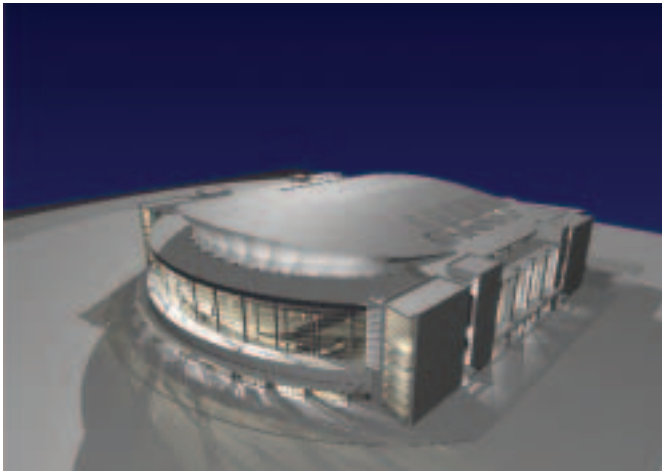
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**Leipziger Platz 1-3, New Apartment and Administration Buildings, Berlin-Center**

**Client** Berlin Leipziger Platz Grundbesitz GmbH

**Architect** Müller Reimann Gesellschaft von Architekten mbH

**Services by LAP** Structural design: schematic and detailed design



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### Berlin Nationalarena

Sports and Event Hall for 16000 visitors

**Client** Anschutz Entertainment Group (AEG),  
Los Angeles, USA

**Architect** HOK Sport, Kansas City, USA

NMA, Novotny Mähner Assoziierte, Berlin

**Services by LAP** Structural design: schematic and  
detailed design



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### Porsche-Media Tower Leipzig

**Client** Dr.-Ing. h.c. F. Porsche AG, Stuttgart

**Architect** General Design

Joint venture CEPEZED B.V. DELFT und

KILIAN + HAGMANN STUTTGART

Final Design Gerkan, Marg + Partner

**Services by LAP** Structural design: schematic and  
detailed design, site supervision



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### DOMAQUARÉE, City Quarter Berlin-Center

**Client** DIFA, Deutsche Immobilien Fonds AG

**Architect** nps und Partner, Berlin

**Services by LAP** Structural design: schematic and  
detailed design



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**Friedrich-Carré, Berlin-Mitte**

**Client** Ed Züblin AG, Stuttgart

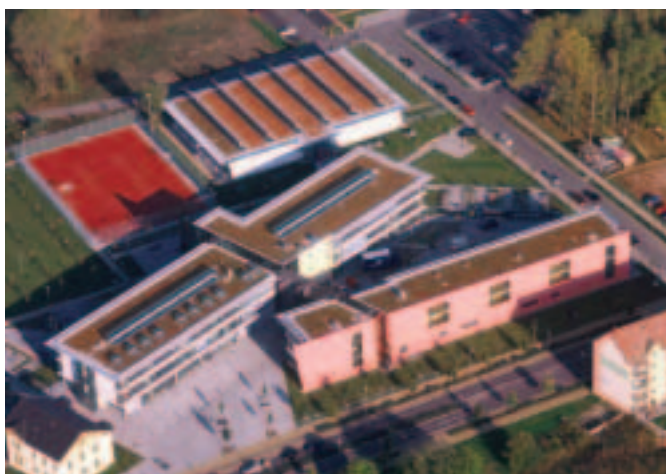
**Architect** Assmann, Salomon und Partner, Berlin

W. Noebel, Berlin; E. Becker, Berlin

Metz, Klotz & Partner, Berlin

Müller Reimann Gesellschaft von Architekten mbH

**Services by LAP** Structural design: detailed design



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**Trade School Center in Meißen**

School, Workshop and Gym

**Client** County of Meißen, represented by the Hoch- und Tiefbauamt Meißen

**Architect** Architektengemeinschaft Meißen, Hauswald und Pilz and Architektengruppe Kist Koop Fehmel Waldmann

**Services by LAP** Structural design: schematic and detailed design

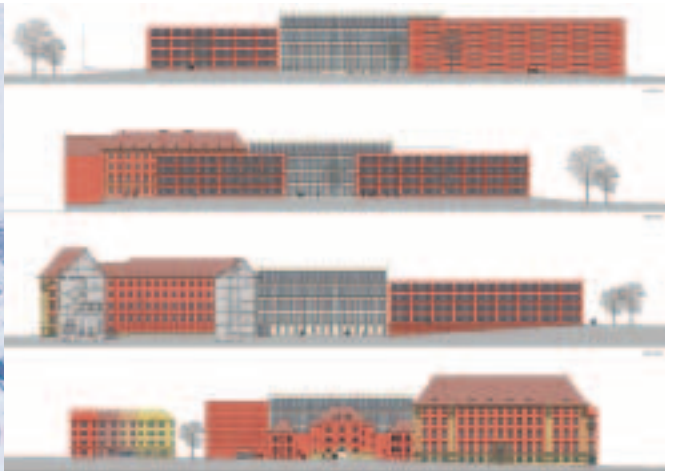
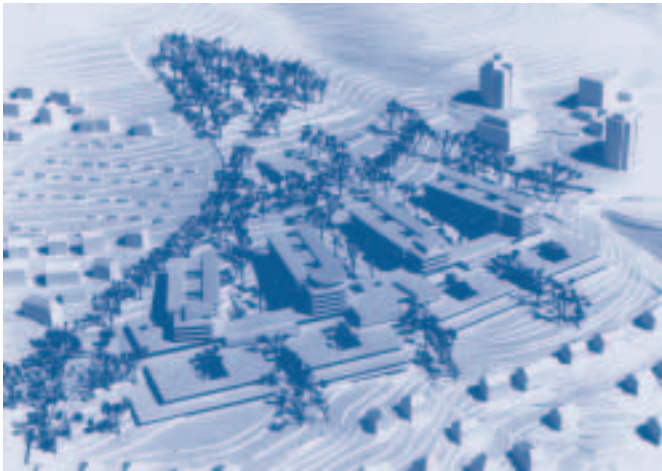
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**New Erfurt Theatre**

**Client** State capital Erfurt

**Architect** Prof. Jörg Friedrich + Partner, Hamburg

**Services by LAP** Structural design: schematic and detailed design, site supervision



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**University Clinic Würzburg, New Center for Internal Diagnostic**

**Client** Universitätsbauamt Würzburg

**Architect** Schuster und Pechtold Architekten GmbH, München

**Services by LAP** Structural design: schematic and detailed design, site supervision

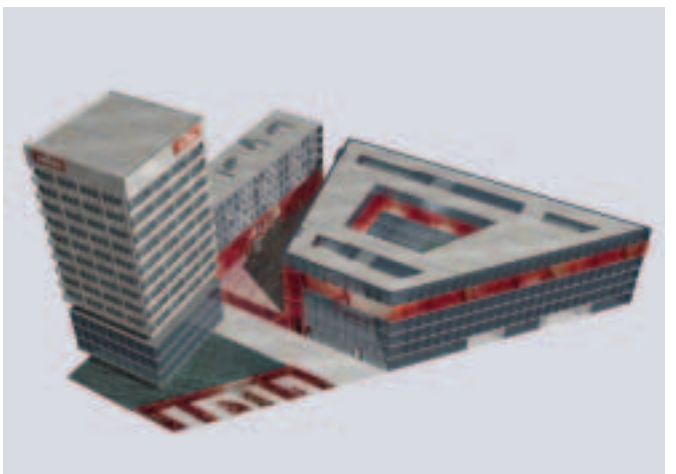
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**New Judicial Center, Aachen**

**Client** Bau- und Liegenschaftsbetrieb NRW Aachen

**Architect** Weinmiller Architekten, Berlin

**Services by LAP** Structural design: schematic and detailed design



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**Office Building GAP 15, Düsseldorf**

**Design Competition:** Finalist

**Auslober** TRADIS Grundstücks-/Vermietungs GmbH

**Architect** Dominique Perrault Architecte, Paris

**Services by LAP** Structural design of high-rise building and underground parking garage underneath renovated preservation-protected building

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**Bavaria Quarter Hamburg-St. Pauli**

**Design Competition:** First Prize

**Client** Quantum Immobilien AG und Bartels

Bavaria-Beteiligungsgesellschaft mbH & Co. KG

**Architect** Axthelm Frinken, Potsdam

**Services by LAP** Structural design



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**New Bridge across the canal St. Denis at Aubervilliers, Paris**

Design Competition: First Prize

**Auslober** Plaine Commune Développement

**Architect** Feichtinger Architectes, Paris

**Services by LAP** Design of an asymmetric cable-stayed road bridge with a length of about 100 m



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**Textima Pedestrian Bridge Gera**

First Prize in a Design Competition for the Federal Garden Exhibition 2007 in Gera-Ronneburg

**Auslober** City of Gera

**Services by LAP** Design of a curved arch bridge with 52 m span



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**GeoGeum Bridge, Korea**

Design Competition: First Prize

Cable-stayed bridge with a steel composite girder (steel truss with concrete roadway slab)

**Client** Hyundai Engineering & Construction Co., Ltd. und Hyundai Engineering Co., Ltd.

**Services by LAP** Structural design, consulting on detailed design



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**Q-Tel New Headquarter Building Qatar**

**Client** Qatar Telecom Doha, Qatar

**Architect** Hascher, Jehle und Assoziierte GmbH/Weidleplan

**Services by LAP** Structural design



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- 19 Rhinebridge Düsseldorf-Ilverich**  
Cable-stayed bridge with 3-cell orthotropic steel box girder  
Total length including approaches 1287 m, main span 287,5 m  
**Client** Brückenbau Plauen  
**Services by LAP** Alternate, detailed design



- 20 BW 30, Bridge across the Dahme River as part of BAB A 10**  
2-span continuous haunched steel-composite girder, total length 122 m  
**BW 30a, Pedestrian and cyclist bridge**  
Timber bridge with 60 m span  
**Client** Brandenburgisches Autobahnamt  
**Services by LAP** Design and tender documents



- 21 Road and Railway Bridge across the Orinoco River in Ciudad Guayana, Venezuela**  
Cable-Stayed Bridge with a steel-composite girder, total length including approaches 3,6 km, main span 300  
**Client** Consorcio Brave, Sao Paulo  
**Services by LAP** Consulting and checking of structural design



- 22 BW 31, Bridge across railway tracks as part of BAB A 10**  
4-span continuous post-tensioned concrete bridge, spans 31 to 39 m, total length 145 m  
**Client** Brandenburgisches Autobahnamt  
**Services by LAP** Design and tender documents



- 23** Road Bridge across Railway Lines in Mühlacker  
3-span composite continuous girder with an arch supporting the main-span  
Total length 81 m, main span across tracks: 57 m  
**Client** City of Mühlacker  
**Services by LAP Design**, tender documents, checking of detailed design, site management and site supervision



- 24** Arch Bridge across the Britz Canal as part of BAB A 113 (new)  
Twin tied arch with composite girder, 112 m span  
**Client** Senatsverwaltung für Stadtentwicklung, Berlin  
**Services by LAP Design** and tender documents, structural checking



- 25** Bridge across the Lago Sul in Brasilia, Brazil  
Curved road bridge with diagonally staggered arches  
Orthotropic steel box girder, total length 1200 m with 3 main arch spans of 240 m each  
**Client** Usiminas Mecanica, Brasilien  
**Services by LAP** Checking of structure



- 26** Northern Ring Connection to Lehrter Railway Station  
Incrementally launched concrete bridge, spans 30 m to 49 m  
Total length 568 m  
**Client** Deutsche Bahn AG  
**Client** Porr Technobau AG, Berlin  
**Services by LAP** Detailed design



**27** Marienbridge, Railway Bridge across the Elbe River in Dresden

Multiple span haunched post-tensioned concrete box girder

Main river spans built by free cantilevering

Total length: 475 m, length of river bridge 230 m

**Client** Deutsche Bahn AG

DB Projekt Verkehrsbau GmbH

**Services by LAP** Checking of detailed design



**28** Wirrbachvalley Bridge at Geschwenda (Thuringia)

Concrete arch bridge with post-tensioned concrete girder, arch span 100 m

**Client** DEGES, representing the Free State of Thuringia

**Services by LAP** Design and tender documents, detailed design



**29** Elbe River Bridge at Mühlberg

Tied arch bridge with composite girders, total length including the approaches 804 m, Main span 138 m

**Client** Free State of Saxony/State of Brandenburg, represented by the Road Administrations of Döbeln and Cottbus

**Services by LAP** Preliminary design in joint venture with VIC Dresden



**30** Gauchachvalley Bridge as part of Federal Road B 31 at Döggingen

10-span curved composite bridge,

Total length 791 m, main spans 100 m

**Client** Regierungspräsidium Freiburg

**Services by LAP** Checking of detailed design, site supervision of structural steel works



- 31 Pedestrian Bridge Ober-Ramstadt**  
Covered timber pedestrian bridge across four railway tracks  
**Client** City of Ramstadt  
**Services by LAP** Design and tender documents, detailed design, site management and site supervision



- 32 Hopfenbachvalley Bridge as part of BAB A 44**  
Incrementally launched bridge with external post-tensioning  
Total length 278 m, typical spans 42 m  
**Client** Bundesrepublik Deutschland, represented by Amt für Straßen- und Verkehrswesen Kassel  
**Services by LAP** Alternate, tender and detailed design



- 33 Lockwitzvalley Bridge as part of BAB A 17**  
Steel composite bridge with incrementally launched steel trough, 9-span continuous girder  
End spans with constant structural depth, main spans supported by half arches  
Total length 723 m, main span 125 m  
**Client** Bundesrepublik Deutschland, represented by order of Free State of Saxony  
**Services by LAP** Design and tender documents, detailed design



- 34 Bypass Korntal-Münchingen**  
Valleybridge with composite truss girder, end spans using reinforced concrete slabs only  
Total length 300 m, typical spans between 32 and 41 m  
**Client** Regierungspräsidium Stuttgart  
**Services by LAP** Design and tender documents, checking of detailed design