



LAKHTA

TOWER AND MULTIFUNCTIONAL BUILDING ST. PETERSBURG
LARGEST TOWER IN EUROPE WITH 462M

ARCHITECT: GORPROJECT, RMJM
ALL TOWER GLAZINGS WITH COLD BENDED GLASS

ENGLISH



STAATSPREIS FÜR CONSULTING

Das Bundesministerium für wirtschaftliche Angelegenheiten
ist bestrebt, die Leistungsfähigkeit der österreichischen
Ingenieurbüros aufzuzeigen, und verleiht daher im
Zusammenwirken mit der Bundesfachgruppe Internationales
Consulting der Bundes-Ingenieurkammer sowie dem
Fachverband Technische Büros der Bundeswirtschaftskammer

im Bereich **Planungsexport, Spezialaufgaben**

der Firma

AFC Planungsgesellschaft m. b. H. Bernhard Ötsch

eine

STAATLICHE ANERKENNUNG 1993

Wien, im November 1993

Der Bundesminister für wirtschaftliche Angelegenheiten:

Dr. Wolfgang Schüssel

AFC ALUMINIUM FASSADEN CONSULTING GESELLSCHAFT m.b.H.

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AFC Aluminium Fassaden Consulting GmbH is an engineering company specialized in window facade and curtain wall construction based in Vienna, Austria. AFC has been active for more than 35 years in the field of international engineering. It is through our experience from concept planning to completion of large scale projects that our „know how“ has been acquired and our standards at the international level has been established.



Gerald Schranz
CEO



Bernhard Ötsch
CEO

AFC projects can be found in over 34 different countries - from the roof lights of the National Gallery in London, the Telecom Tower in Kuala Lumpur, the Potsdamer Platz in Berlin, the Ministry of Defence in Bristol to the New Hong Kong Airport. Further highlights are the Soccer City Stadium in Johannesburg / South Africa and the tallest building in Europe, the Lakhta Tower in St. Petersburg.

The concept for the design is the task of the architect. AFC has worked with Skidmore, Owings & Merrill, Sir Norman Foster, Helmut Jahn and Zaha Hadid. AFC implements the design wishes of the architect into a technically feasible and economically justifiable solution without influencing the architectural appearance and integrity.

Facade planning is not a static science but rather a dynamic process which AFC has enhanced to produce innovative and intelligent solutions. With „know how“ and creativity, we are able to manage difficult details without losing sight of the economic constraints placed on the project.

For every project, AFC develops a custom-made solution to meet the technical, physical and structural requirements of the building. As an independent company, AFC does not specify one particular product range and for large scale constructions, AFC develops a profile system that would meet the specific needs of the particular project.

In large scale projects, it is essential to keep the costs low. AFC is in the position to calculate related costs for the facade before the contracts are awarded.

AFC is responsible for the technical solutions of the entire facade. This guarantees not only optimal performance for a proper and economical construction but from experience, also a cost reduction of 10 to 15% compared to other conventional recommendations.

The scope of AFC consulting services has been developed for more than three decades of practice. This often tested procedure guarantees a successful project.

AFC employs highly qualified technicians, preferably mechanical engineers, civil engineers or architects with full qualifications. The responsible project managers have more than 10 years relevant experience.

REFERENCE PROJECTS

The most relevant projects in PLANNING (P), CONSULTING (C) and DEVELOPMENT (D)

Year	Project	P/C/D *	City	Country	Architect
2022	Sonneninsel	P	Berlin	Germany	Müller Reimann
	Alltours Headquarter	P	Düsseldorf	Germany	HPP
	Q8 Neckarpark	P	Stuttgart	Germany	Schwarz
2021	DEBEKA	P	Koblenz	Germany	RKW
2020	Austro Tower	P	Vienna	Austria	ATP Architekten
	AMDOCS office bdg	P	Ra'anana	Israel	
	National Library of Israel	P	Jerusalem	Israel	Herzog & De Meuron
2019	Viertel 2 Grünblick	C	Vienna	Austria	MC A
	Viertel 2 Weitblick	C	Vienna	Austria	MC A
	Neuer Kanzlerplatz	P	Bonn	Germany	JSWD Architekten
	Airport Terminal 3	C	Wien	Austria	Albert Wimmer
	Sudspidol Hospital	C	Luxemburg	Luxemburg	Albert Wimmer
	BKA	P	Wiesbaden	Germany	
	WIKa	P	Klingenberg	Germany	KSP Engel
	Office Park 4	P	Vienna	Austria	HNP
	Viertel 2 Tribune	C	Vienna	Austria	Martin Kohlbauer
	Grand Central German Railway	P	Frankfurt	Germany	Jo. Franzke, Neumann
2018	Office Bdg. Helix	P	Cham	Switzerland	Axess Architects
	MK9 Cube	P	Berlin	Germany	3XN Architects
	Competence Center OYM	P	Cham	Switzerland	Lüscher Architects
	Curzon Street	P	London	England	
	Wohnen Am Schweizergarten	C	Vienna	Austria	Delugan Meissl, Coop HB
2017	Rathausstrasse 1	C	Vienna	Austria	Atelier Heiss
	Atlas Tower	P	München	Germany	OCHS Schmidhuber Arch.
	IKK Südwest	P	Saarbrücken	Germany	Atelier PRO
	Prag B2/B3	C	Praha	Czech. Rep.	Schmidt/ Hammer/ Lassen
	Würth Flieger	P	Künzelsau	Germany	S.Müller Maja, Djordjevic-Müller
2016	Plot 6	C	Moscow	Russia	Philip Nikandrov
	United Therapeutics Corp.	P	Washington	USA	Ewing Cole
	LaTete	P	Düsseldorf	Germany	MSM Mexer
	Camden Lock	P	London	England	
	Philips(Renovation)	C	Vienna	Austria	
	Austro Control	C	Vienna	Austria	ATP Architekten
	Lakhta Multifunctional Complex	C	St. Petersburg	Russia	Gorprojekt
	Lände 3	C	Vienna	Austria	
	Lakhta Tower	C	St. Petersburg	Russia	Gorprojekt
	St. Giles Circus	P	London	England	
2015	Clarges	P	London	England	
	Barakat Hospital	C	Teheran	Iran	
	The Flag2	P	Frankfurt	Germany	
	NEVA TOWERS (Plot 17+18)	C	Moscow	Russia	Speech / FxFowle
	Siemens Headquarter	P	München	Germany	Henning Larson
2014	CSKA Stadion Moscow	C	Moscow	Russia	PSP Farmann
	Renaissance Tower	C	Istanbul	Turkey	
	Prime Minister Residence	C	Ankara	Turkey	
	Talan Towers	C	Astana	Kazakhstan	SOM
	Krankenhaus Nord (Hospital)	P	Vienna	Austria	Albert Wimmer
2013	Evolution Tower	C	Moscow	Russia	Tony Kettle, RMJM
	Property Tower	C	Baku	Azerbaijan	Hoffmann + Janz Ziviltechiker
	West Link Plaza	P	Zurich	Switzerland	
	Smart Campus	C	Vienna	Austria	Holzbauer
	Motel One	C	Vienna	Austria	Holzbauer
	Basel World 6 Pavillons (Exhibition)	P	Basel	Switzerland	
	EOD Raiffeisentower	C	Vienna	Austria	Vasco + Partner
	DC Tower	P	Vienna	Austria	DPA Hoffmann + Janz ZT
	Olympic Village	C	Sochi	Russia	
	FH Markthalle	P	Brugg	Switzerland	Büro B
2012	Sister of St. Josef	P	Toronto	Canada	Shim Sutcliffe Architects inc.
	DAP Towers (twist towers)	C	Istanbul	Turkey	
	Stetkova	C	Praha	Czech. Rep.	
	Pasettistraße	C	Vienna	Austria	Arch. Martin Kohlbauer
	Greenworx	C	Vienna	Austria	S+B Plan und Bau
	Marxbox2	C	Vienna	Austria	Hoffmann + Janz Ziviltechiker
	Torre Marina	P	Milano	Italy	

Year	Project	P/C/D *)	City	Country	Architect
2010	LKH Baden	C	Baden	Austria	Moser Architekten
	3 Towers (repair concepts)	C	Bratislava	Slovakia	
	Marx Box	C	Vienna	Austria	Hoffmann + Janz Ziviltechiker
	Torre Marina	P	Milano	Italy	SP10STUDIO
	Campus WU, Baufeld LLC	C	Vienna	Austria	Zaha Hadid Architecture
2009	JVC Marriott Absheron	C	Baku	Azerbaijan	Reardonsmith architects
	CET Budapest	P	Budapest	Hungary	Oosterhuis Lénárd / Studio 100
	Zebra Tower	C	Warsaw	Poland	Hoffmann + Janz Ziviltechiker
	Schuhmanufaktur Parabiagio	P	Milano	Italy	Koppenhöfer + Partner
	Marx Box	C	Vienna	Austria	Architekt Petrovic
2008	Hotel Schlossallee	C	Vienna	Austria	Moser Architekten
	Uniqa Tower (partial)	P	Vienna	Austria	Jean Nouvel / Neumann + P.
	Weser Marsch Clinic (expert's report)	C	Nordenham	Germany	
	Soccer City Stadium	P	Johannesburg	South Afrika	Boogertman Urban Egde + P.
	Baxter Office	C	Orth/Donau	Austria	morearchitecture Goltnik ZT
2007	Thyssen Krupp Quarter	P	Essen	Germany	JSWD Architekten
	Siemens City	C	Vienna	Austria	Soyka / Silber / Soyka
	STRABAG AG Headquarter	C	Budapest	Hungary	MHM Architects
	Peek & Cloppenburg Warehouse	C	Vienna	Austria	David Chipperfield Architects
	ÖBB Matzleinsdorferplatz	C	Vienna	Austria	Zechner+Zechner
2006	Barnard Nexus College 3009 Broadway	P	New York	USA	Weiss / Manfredi, NY
	Gate 2	C	Vienna	Austria	Hans Hollein + Neumann/P.
	Canary Wharf Retail Building 1Canada Place	P	London	England	Pelli Clarke / OCA
	B.OS Office solution	C	Bukarest	Romania	Westfourth Architecture
	187-195 Oxford Street	P	London	England	Future Systems, London
2005	Office Bdg. Lohmann	P	Münster	Germany	
	EnergyBase	C	Vienna	Austria	pos architekten
	Sparkasse Linz (Refurbishment)	P	Linz	Austria	
	WKO (The Austrian Federal Economic Chamber)	C	Vienna	Austria	Neversal
	Die Welle am Stadtpark	C	Vienna	Austria	Hans Hollein + Atelier Hayde
2004	Office Bdg. Ezone	C	Vienna	Austria	Atelier Hayde + Sepp Frank
	Grandhotel Dolder (partial)	C	Zurich	Switzerland	Foster + Partners
	Neutorgasse	C	Vienna	Austria	Rataplan
	Ars Electronica Building	C	Linz	Austria	Treusch Architecture
	City Point (Europay Wien Mitte)	C	Vienna	Austria	Ernst Hoffmann
2003	Institut für Wirtschaftsförderung	P	Bolzano	Italy	Dr. Wolfgang Simmerle
	Bahrain World Trade Center (Rooflights)	P	Manama	Bahrain	Atkins
	Commercial & Residential Developmemt Riverside 4	P	Dublin	Ireland	RKD Architects
	STRABAG AG Headquarter	C	Bratislava	Slovakia	MHM Architects
	Porsche Arena	P	Stuttgart	Germany	Arat - Siegel - Schust
2002	Nibelungengasse	C	Vienna	Austria	Prof. Lainer
	Panoramahaus	C	Dornbirn	Austria	Bernhard Bügelmayer
	Railway Station	P	Klagenfurt	Austria	
	Office- and Appartmenthouse Schlachthausgasse	P	Vienna	Austria	Coop Himmelblau
	Europark II	P	Salzburg	Austria	Bernhard Bügelmayer
2001	Vienna Airport Tower (Site supervising, Trouble shooting)	C	Vienna	Austria	Zechner+Zechner
	Vienna Airport Air Cargo Center (ACC, HCW)	C+P	Vienna	Austria	Treusch Architecture
	Hypo Alpe Adria Bank Headquarter	C	Zagreb	Croatia	morphosis, moser architekten
	Techgate Tower	C	Vienna	Austria	Holzbauer+ Sepp Frank
	Allianz Taunusanlagen	C+P	Frankfurt	Germany	Gerkan, Marg und Partner
2000	Albion Wharf (Podium Glazing)	P	London	England	Foster + Partners
	Berliner Tor Center	P	Hamburg	Germany	Störmer & Partner
	HILTON am Stadtpark	C	Vienna	Austria	Hans Hollein + Atelier Hayde
	BBC London / Portland Place	C	London	England	Mac Cormac Jamieson & P.
	Solar City / Highschool	P	Linz	Austria	Loudon - Katzberger
2000	STRABAG AG Headquarter	C	Vienna	Austria	Ernst Hoffmann
	Highschool	C	Wels	Austria	Treusch Architecture
	Highschool	C	Eisenstadt	Austria	Riepl Riepl
	Lassallestraße Rooflight- Barrelvault FG 20	P	Vienna	Austria	Soyka / Silber
	Heron Quays HQ2 / Canary Wharf	P	London	England	Cesar Pelli & Associates
2000	Allianz Zentrale Frankfurt	P	Frankfurt	Germany	Hentrich-Petschnigg & Partner
	ASIA CENTER	C	Budapest	Hungary	Arch Dr. Lengger ZT GmbH
	Mathäuser Multiplex Cinema Center	P	Munich	Germany	Lanz Architekten
	U4-Center / Officebuilding Extention	C	Vienna	Austria	Guttmann
	Office building Engerthstraße „The Bee“	C	Vienna	Austria	Zone Architekten
2000	SAS-Radisson- Center Hotel	C	Warsaw	Poland	Thaddäus Spychala
	Techgate-Vienna	C	Vienna	Austria	Holzbauer+ Sepp Frank
	Audi Ingolstadt	P	Ingolstadt	Germany	
	Adler + Ameise office building	C	Vienna	Austria	Kohlbauer
	Printing Plant DNES 2000+	C	Praha	Czech. Rep.	Ernst Hoffmann
.	Printing Plant DNES 2000+	C	Olmütz	Czech. Rep.	Ernst Hoffmann
	Peter Jordanstraße 177 und 179	C	Vienna	Austria	Johannes Zieser

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1999	Billrothstraße	C	Vienna	Austria	Ernst Hoffmann
	Hostovar	C	Praha	Czech. Rep.	
	Audi Győr	P	Győr	Hungary	
	Baneasa	C	Bucharest	Romania	
	Polus-Center Bratislava	C	Bratislava	Slovakia	
	MATAV Infopark	P	Budapest	Hungary	
	Office building Steilmann	C	Bucharest	Romania	
	IZD International Center Donaustadt	C	Vienna	Austria	NFOG+Feiger
	Gasometerturn A and B	C	Vienna	Austria	Coop HB / Jean Nouvel
	Frankfurter Welle (Inner facades)	P	Frankfurt	Germany	J.S.K. Architekten
	Bank Austria Mödling	C	Mödling	Austria	Iwan Zelenka
	BU-Towers	P	Dubai	UAE	
	Dianabad	C	Vienna	Austria	Atelier Hayde
	BRC Business Research Centre	C	Warsaw	Poland	
	Office building Plotnikov	C	Moscow	Russia	
1998	Eurocity	C	Salzburg	Austria	Rüdiger Lainer
	Aerogolf	P	Luxembourg	Luxembourg	
	Potsdamer Platz SONY CENTER Geb. F	P	Berlin	Germany	Murphy Jahn
	Landsberger Allee	C	Berlin	Germany	Aldo Rossi
	Börsegasse / Dachausbau „Erste“	C	Vienna	Austria	
	Renovation Kaufhaus Steffl	C	Vienna	Austria	
	Center Handelskai - Millenium Tower	C	Vienna	Austria	AT.P
	Europlex	C	Warsaw	Poland	Thaddäus Spychala
	AMD FAB 30	P	Dresden	Germany	AT.P
	Office building BAYER	C	Warsaw	Poland	
1997	Potsdamer Platz A2/A3 DEBIS	P	Berlin	Germany	
	Office building Nowogrodzka 68	C	Warsaw	Poland	
	Forum III	C	Moscow	Russia	
	B.H. Center	C	Praha	Czech. Rep.	
	Ground Transportation Center Hong Kong Airport	P	Hong Kong	China	Foster + Partners
	Checkpoint Charlie	P	Berlin	Germany	Philip Johnson
	Zürich Kosmos	C	Vienna	Austria	
	Donskaya	C	Moscow	Russia	
	Neven Dumont	P	Köln	Germany	Hentrich-Petschnigg & Partner
	ILMET Komplex	C	Warsaw	Poland	
1995	SPARBANK	P	Moscow	Russia	
	Hermann Straße	C	Berlin	Germany	
	New green street	C	Berlin	Germany	Ilbau intern
	Klinikum Ludwigshafen	P	Ludwigshafen	Germany	Heinle, Wischer und Partner
	City Carré Berlin	P	Berlin	Germany	Fischer- Fischer Köln
	KCRC Kowloon Station Renovation & Extension	P	Hong Kong	China	Foster + Partners
	Queensway Government Office Building	P	Hong Kong	China	
	EKZ Gropiusstadt	C	Berlin	Germany	
	Office building Grillparzerstraße	C	Munich	Germany	
	Office building Seydelgasse	C	Berlin	Germany	
1994	Thyssen Trade Center (Hans G. Sohl Str.)	P	Düsseldorf	Germany	
	Ministry of Defense	P	Bristol	England	
	Opera house-Loggia	C	Vienna	Austria	Hermann Cech
	Office building "Am Westbahnhof"	C	Vienna	Austria	
	Telecommunication Tower	P	Kuala Lumpur	Malaysia	Kumpulan Senireka Sdn. Bhd.
	Business Park Vienna	P	Vienna	Austria	Team 4
	Münchenhofstraße	C	Magdeburg	Germany	
	Altenzellerstraße	C	Dresden	Germany	
	Madách Trade Center	P	Budapest	Hungary	
	Klinikum Neustadt	P	Neustadt	Germany	
1993	Thyssen 3 Scheiben Haus refurbishment (partial)	P	Düsseldorf	Germany	
	Rosenberger Highwaystation	C	Schottwien	Austria	Andras Egyed
	School Pernerstorfergasse	C	Vienna	Austria	
	Ringstrassen Gallerien / Kärntneringhof	P	Vienna	Austria	Holzbauer
	Köztí	P	Budapest	Hungary	Köztí
	AUA - Betriebsgebäude	P	Schwechat	Austria	
	Lajos Utca	C	Budapest	Hungary	Egyed + Partner
	Zentrum Herrnau	C	Salzburg	Austria	
	UZA-University Center Althanstraße	P	Vienna	Austria	
	UOB-Plaza Rooflights	P	Singapore	Singapore	Kenzo Tange
1991	Airport Warsaw (Rooflight)	P	Warsaw	Poland	
	Radisson Hotel Complex	P	Stettin	Poland	
	Penthouse Seilergasse 16	C	Vienna	Austria	Rüdiger Lainer
	Bundesanstalten Hirschstetten	C	Vienna	Austria	Marchart Moebius / H. Glück
	Office Bldg. Schottenfeldgasse	C	Vienna	Austria	
	Office Bldg. III Ilbau- Zentrale	C	Spittal	Austria	

Year	Project	P/C/D *)	City	Country	Architect
1990	RT1 - Building Canary Wharf	P	London	England	Cesar Pelli & Associates
	Dominant House	P	London	England	
	The Broomielaw Ph. 1, Bdg. 3	P	Glasgow	Scotland	
	Generali Center	P	Vienna	Austria	
	Direct Line Insurance Ph. 2	P	London	England	
	Gurkan 1	P	Stockholm	Sweden	Axelsson & Borowski Ark. AB
1989	Vantage West	P	London	England	
	Little Britain	P	London	England	
	Broadgate Station / Rooflights	P	London	England	Skidmore, Owings & Merrill
	National Gallery / Rooflights	P	London	England	Venturi Rauch Scott-Brown
	Landessportschule	C	St. Pölten	Austria	
1988	Bulgartabak	P	Sofia	Bulgaria	
	Aussenhandelsbank	P	Sofia	Bulgaria	
	Balkantourist	P	Sofia	Bulgaria	
	RUM - Warehouse	P	Varna	Bulgaria	
	Alu - Folding door / Development	D	Vienna	Austria	
	Gründerzentrum	C	St. Pölten	Austria	Egyed + Partner
	Museum for Work and Technic	P	Mannheim	Germany	Ingeborg Kuhler
1987	Sportpalast	P	Varna	Bulgaria	Koltsczew
	Warenhaus Lazur	P	Varna	Bulgaria	
	RZB Raiffeisen Headquarter	P	Vienna	Austria	Lippert
	Hotel Ramada / Rooflights	P	Vienna	Austria	
	LZB - histor. Reichsbank (partial)	P	Frankfurt	Germany	
1986	T30 Alu- Fire rated Doors / Development	D	Vienna	Austria	
	Gebietskrankenkasse	P	Eisenstadt	Austria	
	GFK - Fensterentwicklung	D	Vienna	Austria	
	OMV Österreichische Mineralölverwertung	P	Vienna	Austria	
	Brau AG	P	Linz	Austria	
	Brewery Gösser	P	Göss	Austria	
1985	Pyramids and rooflights	P	Pjöngjang	North Korea	
	Canopies	P	Minsk	Belarus	
	Philips Elektronik factory	P	Vienna	Austria	
	Airport Vienna / Approach Hall North	P	Vienna	Austria	
	District Center Hernals	P	Vienna	Austria	
	Police Headquarter	C	Graz	Austria	Ernst Hoffmann
1984	Landesgericht Wien Phase II, III, IV	C	Vienna	Austria	Egyed + Partner
	Landesgericht Wien Histor. Amtstrakt	C	Vienna	Austria	Egyed + Partner
	Hotel Beke	P	Budapest	Hungary	
	Leuchtenzentrum Süd	P	Vienna	Austria	
	Hospital	P	Melk	Austria	
	Köck Warehouse	C	Vienna	Austria	
1983	Hotel am Rennweg	C	Vienna	Austria	
	Fire fighting house	P	Mödling	Austria	Ernst Hoffmann
	National Film Centre (project study only)	P	Colombo	Sri Lanka	
	Appartmenthouse Simmeringer Hauptstr.	P	Vienna	Austria	
1982	Steam Power Station	P	Dubai	UAE	
	Central- Wechsel- u. Creditbank	P	Vienna	Austria	Egyed + Partner
	Navy Club	P	Basrah	Iraq	
	Anglo Elementar Insurance	P	Innsbruck	Austria	Swienty - Pontiller
1981	University of Economy / Library	P	Vienna	Austria	

Realized Projects in 34 Countries:

West Europe



Africa



East Europe



Asia



North Amerika



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NEUER KANZLERPLATZ BONN (D)



DEBEKA KOBLENZ (D)



IKK SAARBRÜCKEN (D)



GRAND CENTRAL FRANKFURT (D)



AMDOCS RAANANA (ISRAEL)



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ARCHITECT: HERZOG & DE MEURON

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SIEMENS HEADQUARTER MÜNCHEN (D)

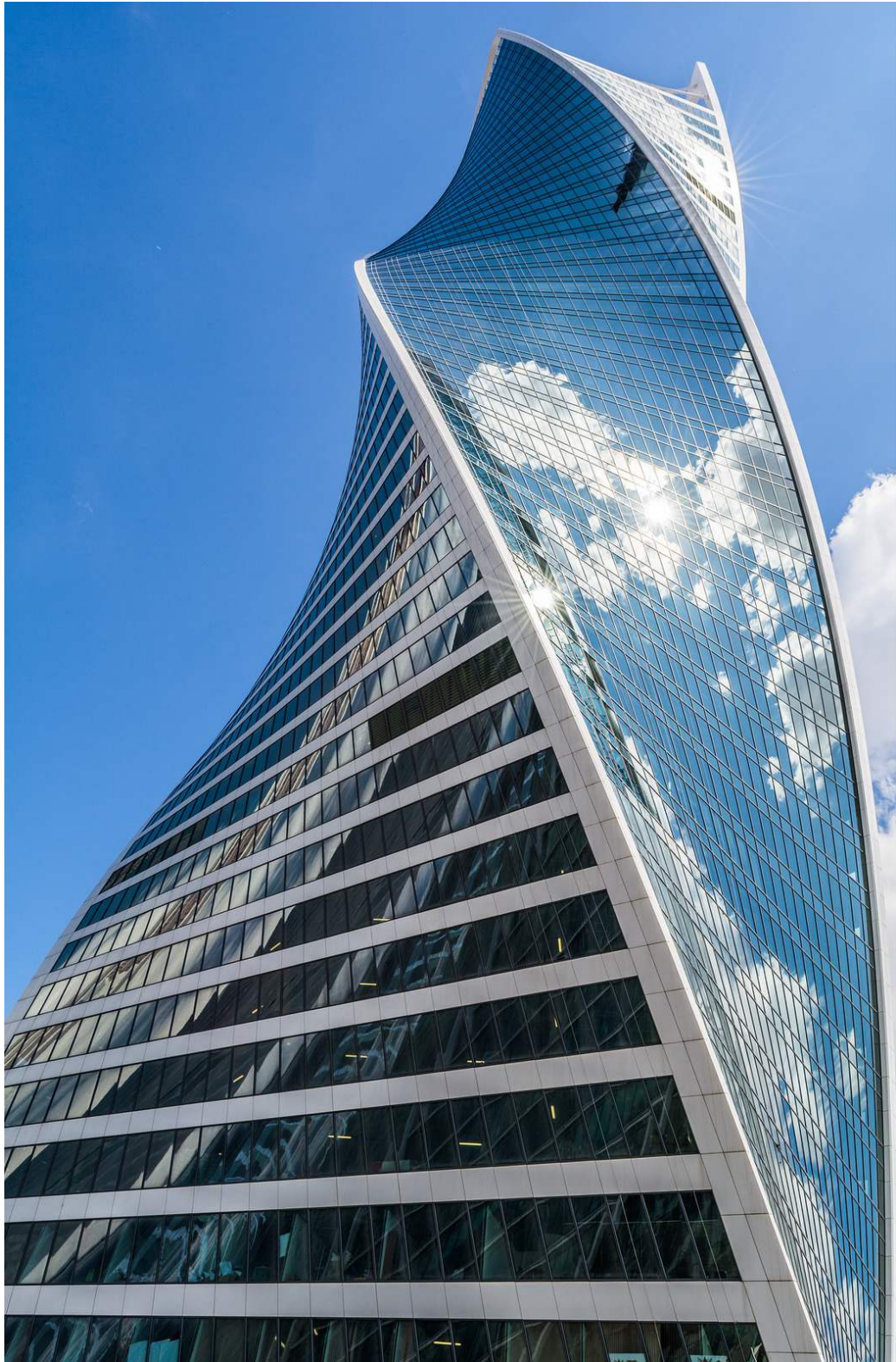


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EVOLUTION TOWER MOSCOW (RU)



ARCHITECT: TONY KETTELE, RMJM HEIGHT: 250M

ALL GLAZING COLD BENDED GLASS

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TALAN TOWERS NURSULTAN (ASTANA) (KZ)



ARCHITECT: SOM SKIDMORE, OWINGS & MERRILL / NEW YORK

FORTE BANK NURSULTAN (ASTANA) (KZ)



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CSKA STADION MOSKAU (RU)

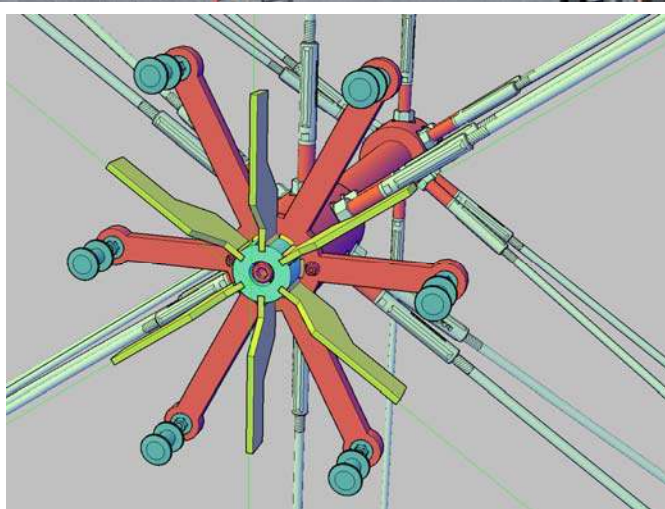
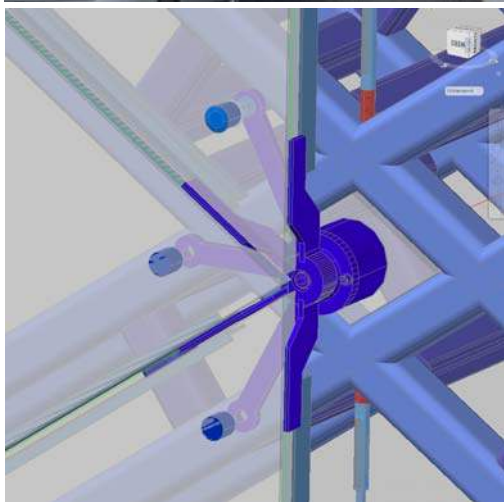


NEVA TOWERS MOSCOW CITY (RU)



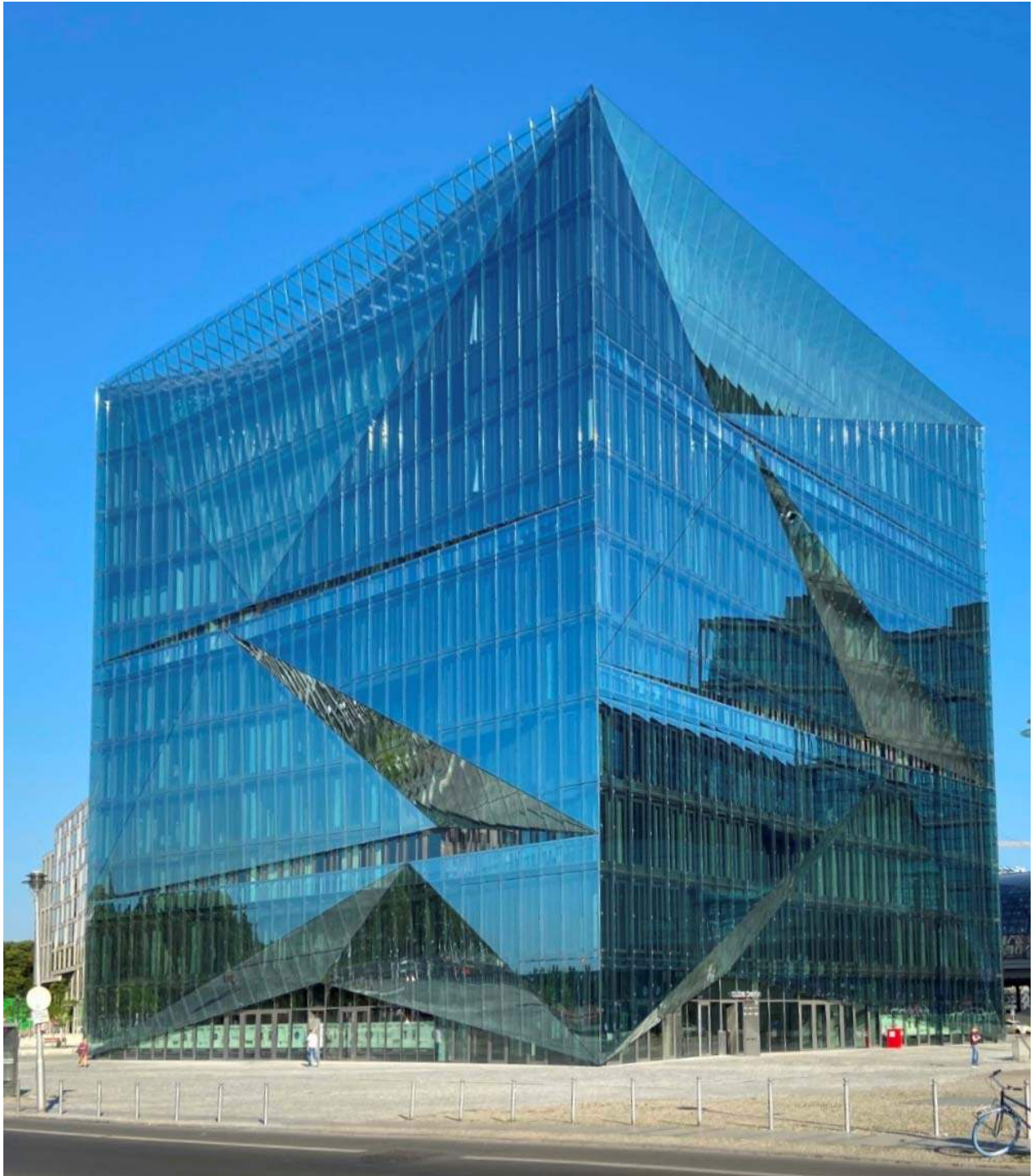
THIS TOWERS ARE PROJECTED IN MOSCOW CITY. ONE TOWER HAS A HEIGHT OF 340M
ARCHITECTS: SPEECH ARCHTECTS MOSCOW AND FX FOWLE NEW YORK

PLOT 6 MOSCOW CITY (RU)



SHOPPING MALL AND ENTERTAINMENT IN THE CITY OF MOSCOW AS A LIVING CLOCK.
THE ESCALATOR WALL IS A STEEL ROPE CONSTRUCTION WITH TRIANGLE GLAZING WITH SPIDER.
ARCHITECT: PHILIP NIKANDROV

THE CUBE BERLIN (D)



3XN ARCHITECTS

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RENAISSANCE TOWER ISTANBUL (TR)



FXFOWLE ARCHITECTS

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DC TOWER VIENNA (A)



THE DC TOWER IS WITH 240M HEIGHT THE LARGEST BUILDING IN AUSTRIA.

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BASEL WORLD: SIX PAVLLONS (CH)



GREAT IDEA FROM ARCHITECT DANY WALDNER BASLE
STEEL ALUMINIUM GLASS CONSTRUCTION FOR BASELWOLD WATCH AND JEWELLERY FAIR.
FULLY DEMOUNTABLE CONSTRUCTION WITH MEMBRANE ROOF.

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GROUND TRANSPORTATION CENTER HONGKONG AIRPORT (RC)



5 TYPES OF UNITIZED CURTAIN WALLS AND ROOFLIGHTS

ARCHITECT: SIR NORMAN FOSTER

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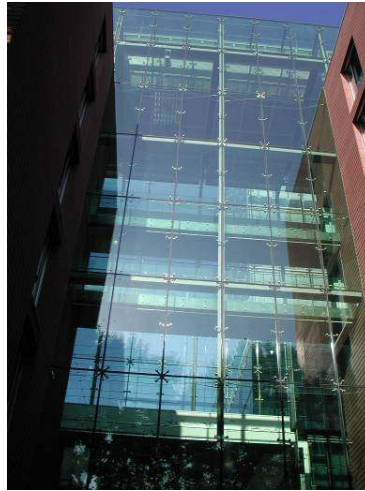
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ALLIANZ HEADQUARTER FRANKFURT (D)



HOOKING CORNER ELEMENT AT TOWER

POINTFIXED FACADE MAGISTRALE

UNITIZED DOUBLE SKIN FACADE



FINGER BUILDING AREAS - UNITIZED FACADES

ARCHITECT:	HPP COLOGNE (D)
GENERAL CONTRACTOR:	HOCHTIEF / PH. HOLZMANN
TOTAL FACADE AREA:	CA. 45.000M ²
ERECTION PERIOD:	2000-2001

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ALLIANZ TAUNUSANLAGEN FRANKFURT (D)



FRANKFURTER WELLE FFM (D)



CHECKPOINT CHARLIE BERLIN (D)



PREFABRICATED UNITIZED FACADE WITH SLOPED GLAZING 9° AND 13°



ARCHITECT: PHILIP JOHNSON

SONY CENTER POTSDAMER PLATZ BERLIN (D)



SUSPENDED UNTIZED FACADE WIDTH= 4.000MM, WITH BAY WINDOWS



ANCHOR CABLE WITH GLASSCREEN/OLD BUILDING



SLOPED FACADE

ARCHITECT: MURPHY JAHN ARCHITECTS CHICAGO
GENERAL CONTRATOR : HOCHTIEF BERLIN

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SPARBANK MOSKAU (RU)



PREFABRICATED ELEMENTED FACADE, PRODUCED IN DOUBLE ELEMENTS

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PZU TOWER and RADISSON SAS HOTEL WARSAW (PL)



THE SAS HOTEL, IN THE BACKGROUND THE PZU TOWER

RADISSON HOTEL STETTIN (PL)



BERLINER TOR CENTER HAMBURG (D)



UNITIZED DOUBLE SKIN FACADE



ARCHITECT:	JAN STÖRMER
HEIGHT OF BUILDING:	88M
GENERAL CONTRACTOR:	BILFINGER BERGER
TOTAL FACADE AREA:	33.000M ²

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TECHGATE VIENNA (A)



TECHGATE TOWER VIENNA (A)



IZD OFFICE CENTER VIENNA (A)

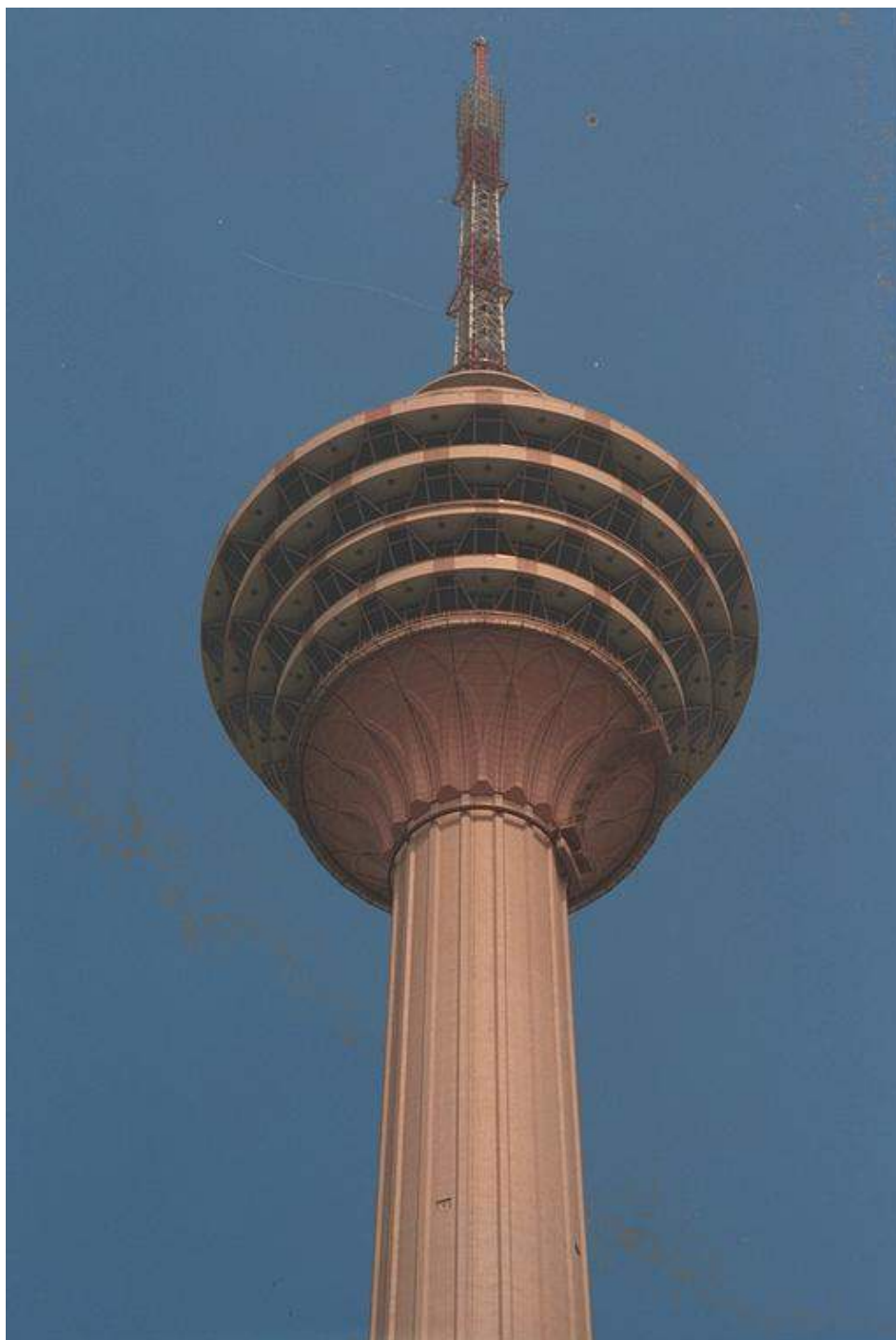


UNITIZED DOUBLE SKIN FACADE

BUSINESS PARK VIENNA (A)



TELECOM TOWER KUALA LUMPUR (MAL)



ISLAMIC PATTERN AND TOWERHEAD OVER 300M HIGH

TOTAL HEIGHT:	421 M – AT THE TIME THE 3RD. HIGHEST TOWER IN THE WORLD
TOWER HEAD:	LEVEL 261,6 TO 307,6M
SCOPE OF WORKS:	TOWERHEAD IN 4 STORIES AND ISLAMIC PATTERN (15M HIGH CLADDING)
CONTRACTOR:	MEROTECH MALAYSIA SDN BHD
CLIENT:	MENARA KUALA LUMPUR SDN BHD

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STRABAG HEADQUARTER VIENNA (A)



UNITIZED CURTAIN WALL

ARCHITECT:	HOFFMANN & JANZ
CLIENT:	STRABAG (OWNER)
FACADE AREA TOTAL	12.000M ²
CRISTAL ELEMENTS	2.300M ²

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HYPO ALPE ADRIA BANK ZAGREB (HR)



ARCHITECT: MORPHOSIS USA
CLIENT: HYPO ALPE ADRIA BANK AUSTRIA



OVERVIEW OF THE AREA

SHOPPING MALL EUROPARK SALZBURG (A)



ROOFLIGHTS IN ALL VARIATIONS AND SHAPES



CURVED SECOND SKIN FACADE

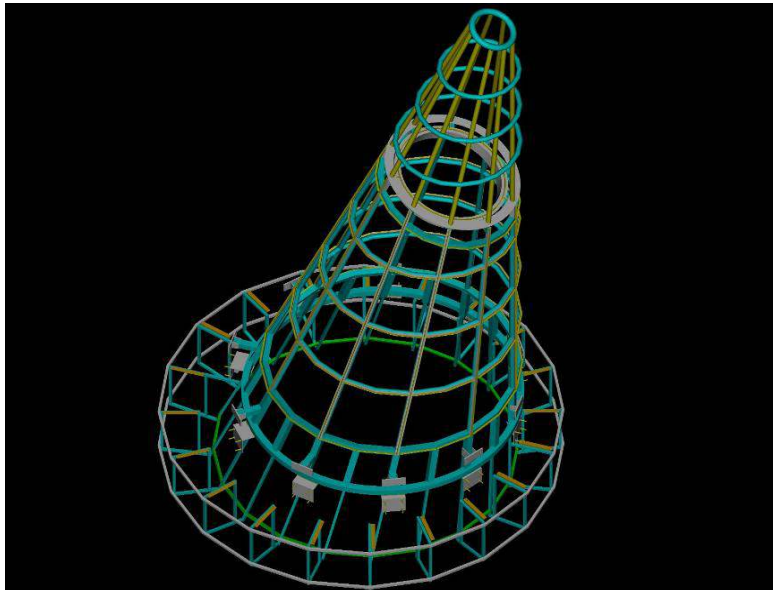
ARCHITECT: MASSIMILIANO FUKSAS, ROMA (IT)
DIPL. ING. BÜGELMAYER, DORNIRN (A)

CLIENT: STRABAG

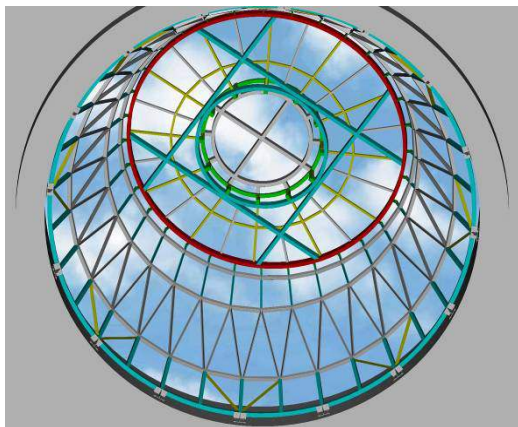
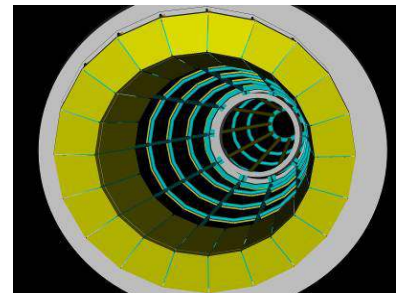
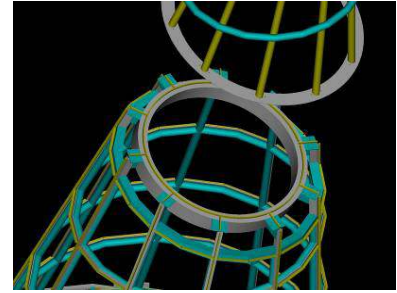
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WORLD TRADE CENTER - ROOFLIGHTS (MANAMA / BRN)



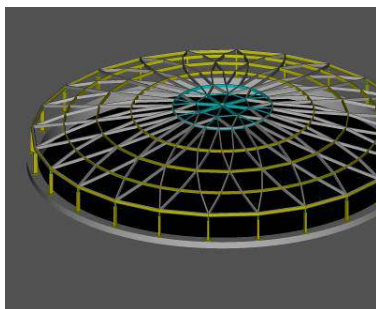
TRUNCATED ASYMMETRIC CONE



CENTER COURT DOME



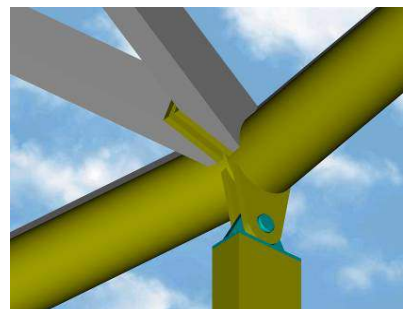
STEEL PRODUCTION AT WORKSHOP



GARDEN COURT DOME



STEEL DETAILS AT RENDER



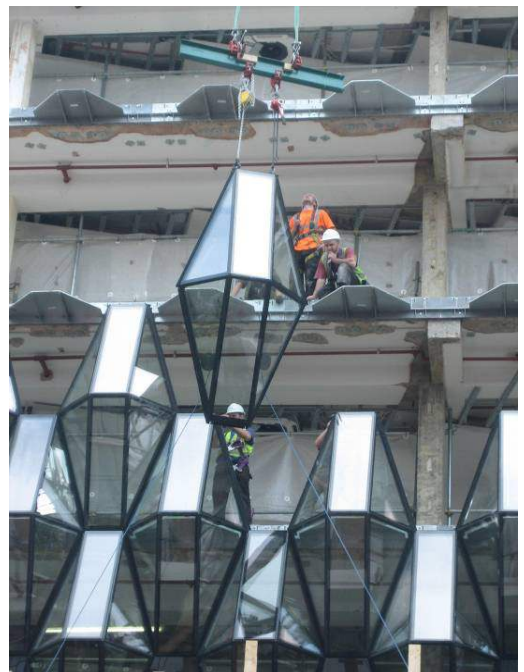
ARCHITECT:
CLIENT:

ATKINS
ALABBAR / DUBAI / UAE

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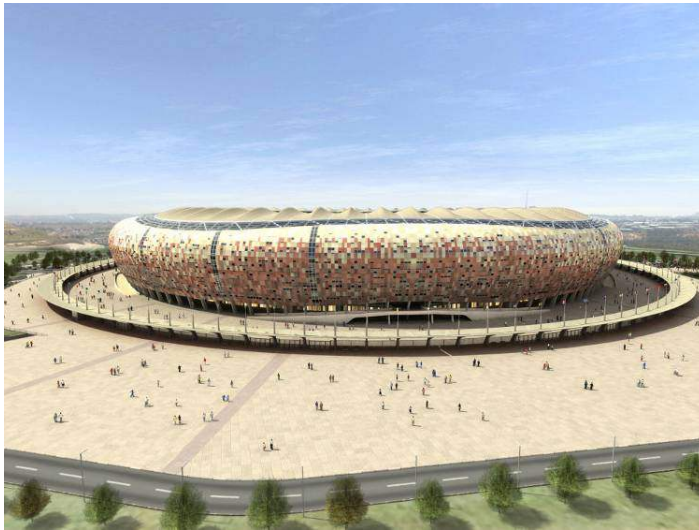
OXFORD STREET LONDON (GB)



UNITIZED HEXAGONAL UNITS
ARCHITECT: FUTURE SYSTEMS

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SOCCER CITY STADIUM JOHANNESBURG (ZA)



MODEL / TOTAL VIEW



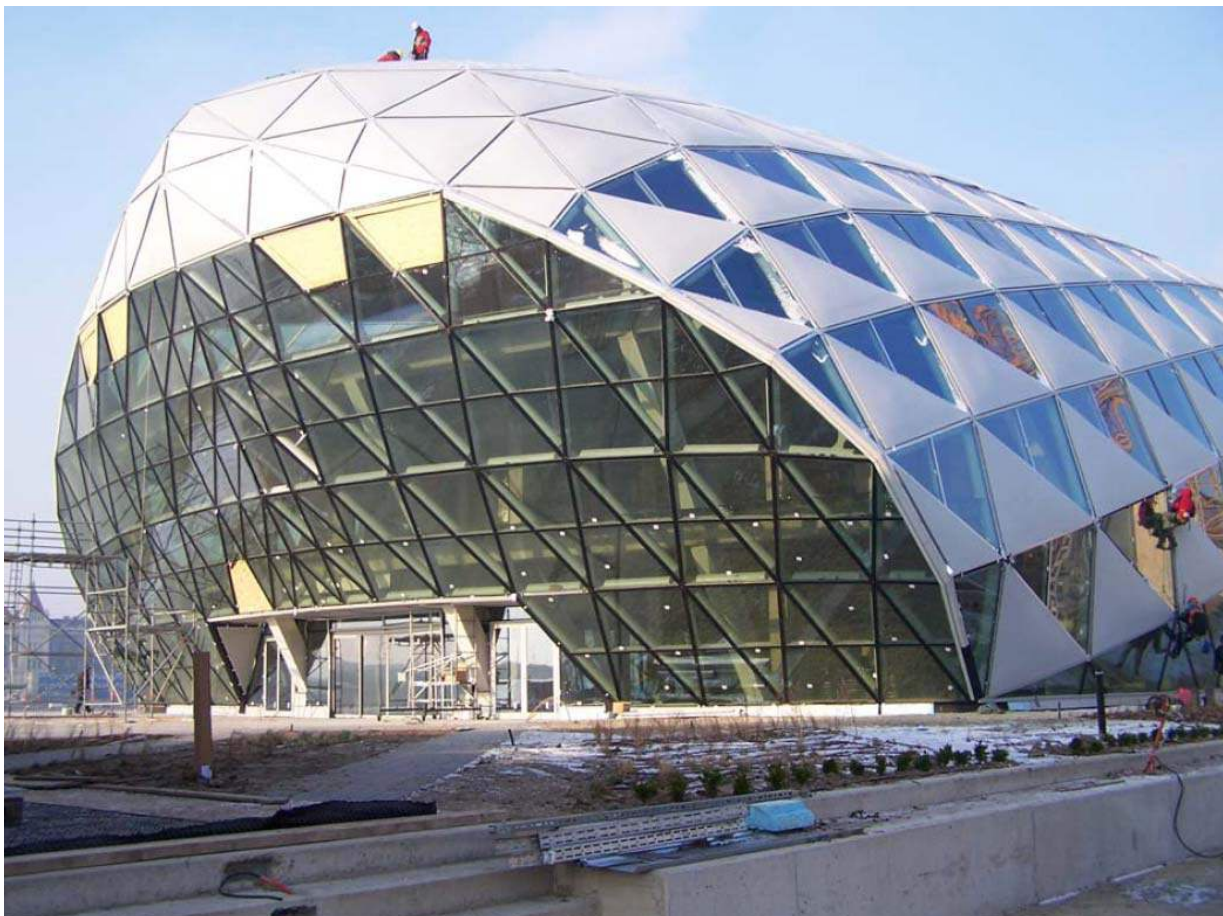
WORK AT SPECIAL ELEMENTS



FACADE AREA:	35.000M ² FIBREC (GLASS FIBRE ARMED CONCRETE PLATES 13MM THICK)
ROOFLIGHTS:	10.000M ² POLYCARBONATE
STADIUM CAPACITY:	96.000 PERSONS = LARGEST STADIUM IN AFRICA
DIAMETER TOTAL:	300M

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CET BUDAPEST (H)



ROOF WORK DECEMBER 2010



CONSTRUCTION: FREE SPAN MAIN STEEL WITH ROUND TUBES IN FORM OF A WHALE
CLADDING: WITH GLAZED TRIANGLES AND WHARPED PANELS

FUNCTION: SHOPPING MALL AND RETAIL AND ALSO CONCERT HALL

MARRIOTT ABSHERON BAKU (AZ)



ARCHITECT: REARDON SMITH

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UNIVERSITY OF ECONOMY VIENNA (A)



ARCHITECT: ZAHA HADID

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SIEMENS HEADQUARTER VIENNA (A)



HOSPITAL NORTH VIENNA (A)



55.000M² FACADE, MOST UNITIZED SYSTEMS,
ARCHITECT: ALBERT WIMMER

2ND LARGEST HOSPITAL COMPLEX IN VIENNA.
ERECTION PERIOD: 2013 - 2016

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EOD RAIFFEISEN VIENNA (A)





Austrian Consulting Engineers

This is a summary of the essential facts about Austria's consulting engineers. It deals with the legal basis for issuing licences to consulting engineers, rules of conduct governing the profession and mandatory professional qualifications and describes the work done by consulting engineers.

What are consulting engineers? What service do they provide?

There are more than 2000 engineering offices in Austria. They provide highly qualified services in every area of engineering.

Consulting engineers are not manufacturers or builders. Their activities are restricted to providing consultative services, preparing plans, and carrying out calculations, studies, inspections and measurements. Consulting engineers also supervise the completion and acceptance of projects, check that they are completed properly and that the necessary calculations are performed correctly, and monitor and check plant and equipment.

A consulting engineer is an independent and neutral agent who is not directly involved in the execution of a project - he is ordering party's trustee, so to speak.

Consulting engineers are active in every area of engineering that is taught theoretically in an Austrian educational establishment, from in-house systems (electrical engineering, heating, air conditioning, ventilation, sanitation) to water engineering, from mechanical engineering to technical chemistry, and from interior design to mining and metallurgy.

Whichever one of these fields is the consulting engineer's personal speciality, he will be a highly trained expert, because the qualifications a consulting engineer needs before he can open an office are laid down by the most stringent provisions in the entirety of the Austrian trade and industry law.

Each consulting engineer must first pass school certificate or graduate from a university. He must then spend many years in working in his field and pass demanding license examination before setting up an engineering business.

Consulting engineers advise, plan, calculate, inspect and monitor. They are there to support their client throughout a project. Their responsibilities range from examining supplier's tenders to monitoring the completion of a plant and then inspecting and accepting it. Their work may include advising clients, planning, performing calculation, and carrying out studies, inspections and measurements. Their fees are laid down in the officially recognised guidelines for engineering offices.

Austria's engineering offices carry out orders totalling about 50,000 million Austrian schillings (appr. 5 billion US\$) each year. They are growing in importance as providers of thousands of highly-qualified jobs.



A Description of the Profession

Engineering offices work both independently and objectively and in the interests of their client in various of areas of speciality. A consulting engineer does not engage in mechanical production or manufacturing, whether as a professional engineer or otherwise. His output is of intellectual nature, the prerequisite for which is training as an engineer or pertinent training at an college of the arts.

1. Consultation

- 1.1 Consultation, carrying out studies and inspections;*
- 1.2 Preparing applications and submissions to authorities, representing a client vis-à-vis third parties, expert opinions, estimates; carrying out the necessary calculations in the areas of speciality of the engineering office;*
- 1.3 Advising on operational technology and technical organisation;*
- 1.4 Advising on work cycles;*
- 1.5 Improving, rationalising and automating processes and work cycles;*
- 1.6 Monitoring and inspecting plant and equipment;*
- 1.7 Training*

2. Planning

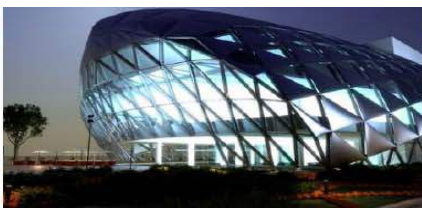
- 2.1 Planning and designing projects such as plants, structures and equipment relating to the areas of speciality of the engineering office, if necessary taking into account static requirements; old-stock, topographical and sectional surveys;*
- 2.2 Preliminary project work; preparing drafts, equipment plans ready for building, execution plans, detailed plans, key plans and construction plans;*
- 2.3 Preparing tender documents;*
- 2.4 Monitoring all work and services to check their conformity to the plans and tender;*
- 2.5 Auditing project-related invoices; accepting plants;*
- 2.6 Research and development in the areas of speciality of the engineering office; carrying out the associated studies and tests using the necessary plant and equipment;*
- 2.7 Planning and develop new technologies and process techniques in various fields;*
- 2.8 Participating in public competitions*

3. Calculation

- 3.1 Calculating technical and financial values in the areas of speciality of the engineering office;*
- 3.2 Carrying out measurements and tests and mathematical analysis in any pertinent field;*
- 3.3 Economic appraisals, technical and economic viability comparisons.*



SOCCER CITY JOHANNESBURG SÜDAFRIKA



CET BUDAPEST



BARNARD NEXUS 3009 BROADWAY NEW YORK



IZD TOWER



KAUFHAUS STEFFL



WIENERBERGER TOWER



TECHGATE TOWER



AIRPORT WIEN



DIANABAD WIEN



STRABAG WIEN



BERLINER TOR CENTER HAMBURG



ALLIANZ FRANKFURT



SONY CENTER BERLIN



NEVEN DUMONT KÖLN



CHECKPOINT CHARLIE BERLIN



GTC HONGKONG AIRPORT



KOWLOON STATION HONGKONG



TELECOM TOWER KL



SPARBANK MOSKAU



DONSKAYA MOSKAU



RADISSON WARSZAWA



RADISSON STETTIN



EUROPLAX WARSZAWA



ILMET WARSZAWA



PZU WARSZAWA



BOS BUKAREST



MOD BRISTOL



FLEET STREET LONDON



OXFORD STREET LONDON



HERON QUAYS CANARY WHARF LONDON



VANTAGE WEST LONDON



STRABAG BRATISLAVA



HANDELSKAMMER BOZEN



GURKAN STOCKHOLM



...wir lassen Sie nicht hängen...

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