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Central Bank of Iraq Headquarters Project



Heydar Aliyev Cultural Center



Baku Flame Towers Project



Shahdag Tourism Complex Project



Qebele Headquarters Project



Premium Villas Project



Bilgeh Estates Project



Zagulba Headquarters Project



Mersin Integrated Health Campus Project



Bilkent Integrated Health Campus Project



Erbil Golf Project





COMPANY HISTORY

DAAX has started activities in construction world in 2006 as DIA Holding with 50 % partnership. Based in United Arab Emirates, within this engagement many challenging and prestigious projects have been done together.

In 2007, Construction Engineering and Management activities and services, partnership positioned to Azerbaijan market in construction sector and had put design signature by completing the most prestigious and important Projects for Azerbaijan such as; Flame Towers Complex (consist of Business, Residence, Hotel Towers and The Shopping mall), Heydar Aliyev Cultural Center and The Shahdag Winter and Summer Sports and Tourism center.

At a later stage as of 2012, new activities have been established together with 50 % partnership company DIA Holding for the Medical Centers at Ankara Bilkent and Mersin Integrated Hospital Management and Medical Center Complex projects in Turkey.

As of January 2017, the partnership has been concluded and work scope has been separated from joint projects.

Since then, DAAX Construction continue its way by having the most challenging and prestigious new projects at national and international platforms.





CENTRAL BANK OF IRAQ HEADQUARTERS

CLIENT: Central Bank of Iraq

LOCATION: Baghdad, Iraq

DESIGN: Zaha Hadid Architects

MAIN CONTRACTOR: DAAX CONSTRUCTION MMC

"Rising from the sloping banks of the Tigris River in Baghdad, the design for the new headquarters of Central Bank of Iraq (CBI) conveys the core values at the hearth of the institution: Solidity, Stability and Sustainability.

These values are mirrored by the historic importance of the river on which the CBI stands. The Tigris has been the city's key trade route and vital water source for millennia.

It has shaped Iraq's history and is the foundation from which the country will builts its future."

Zaha Hadid Architects







Central Bank of Iraq, Headquarters, Baghdad, Iraq



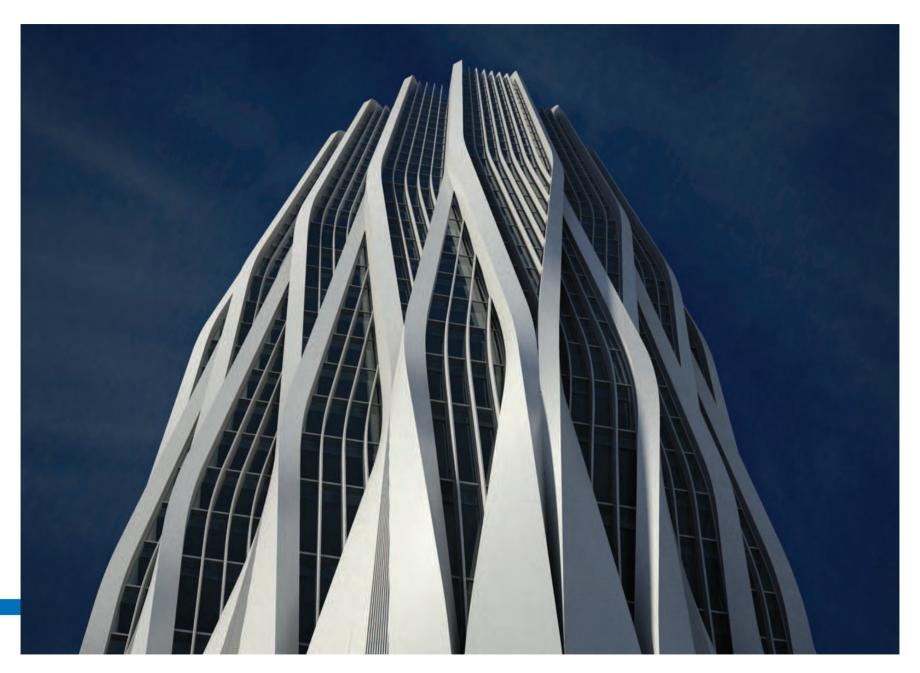
Central Bank of Iraq, Headquarters, Baghdad, Iraq

General notes:

Situated on the banks of the Tigris, a waterway of ancient significance, Zaha Hadid's design for the Central Bank of Iraq signals a new phase of construction in a growing and developing Baghdad.

- The 172 m tall tower sits within a 200 m \times 100 m basement footprint more than 15 m in depth.
- There are 38 floors in total; 33 floors at tower, 5 floors at podium (1 mezzanine floor, 1 ground floor, 3 basements)
- The overall CBI building population is anticipated to be around 1678. (1170 staff to be located at tower and 508 staff at podium)







Central Bank of Iraq, Headquarters, Baghdad, Iraq





Central Bank of Iraq, Headquarters, Baghdad, Iraq

Façade:

- At façade, as a whole building, design reflectings Zaha Hadid's architectural impression in each detail. Besides that architect focused on client special security requirements and materials determined in the light of these expectations. All solid and transparent surfaces are arranged with a combination of artistic touches with a good harmony of visuality & security both.
- This special curved façade has many different sized panels that requires individually designed mouldings and most of them to be curvilinear.
- Designed geometry to be need highly specific engineering calculations and software for an accurate construction.







Central Bank of Iraq, Headquarters, Baghdad, Iraq





Allocation of building:

- CBI Headquarters building would be evaluated in two parts; Tower & Podium.
- Tower part is designed to include bank's primary departmental work spaces as well as areas of staff facilities and technical areas.
- Regarding bank's work spaces, 12 different departments under the leadership of governor (Such as Legal Affairs, Finance & Debt...etc.) 2 levels at top part of tower designed for Department of Governor.
- In line with the security strategy, technical areas directly located above the podium lower part of the tower. Above the plant rooms staff facility functions are located, such as library, training rooms, gym, prayer room, nursery, canteen, cafe.
- Podium part is designed to place bank's public & VIP functions within ground floor, staff facilities from mezzanine floor. The Ground floor accomodation includes also ancillary back of house areas Auditorium, event space and museum area also located at ground level for public use ease.





Mock-Up Photos





Central Bank of Iraq, Headquarters, Baghdad, Iraq



Mock-Up Photos



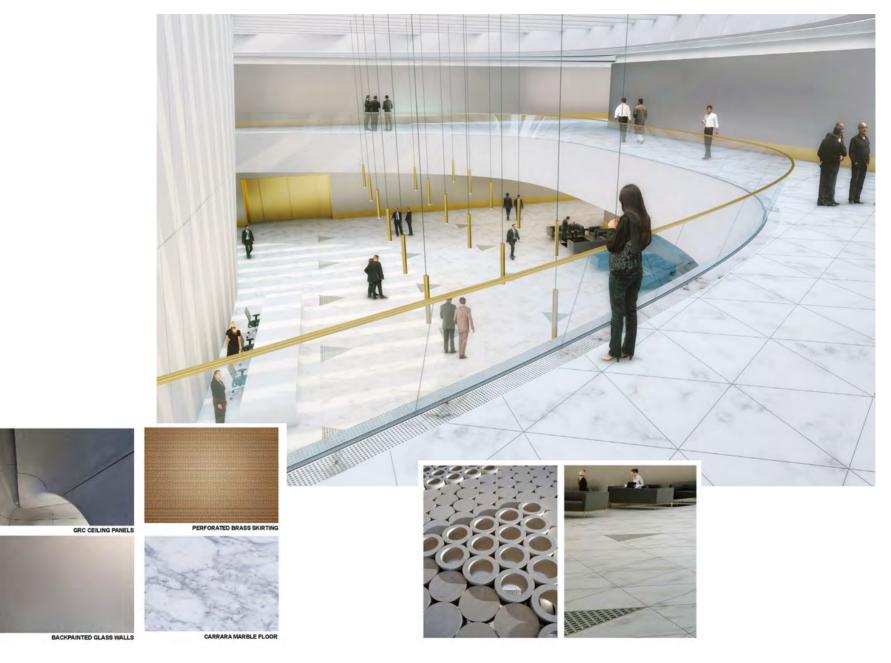
Central Bank of Iraq, Headquarters, Baghdad, Iraq







Central Bank of Iraq, Headquarters, Baghdad, Iraq



Central Bank of Iraq, Headquarters, Baghdad, Iraq

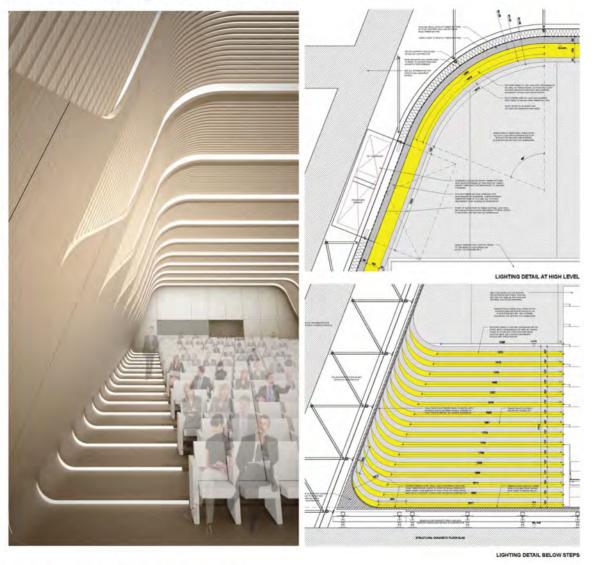






Central Bank of Iraq, Headquarters, Baghdad, Iraq

2.3 Podium Design Development

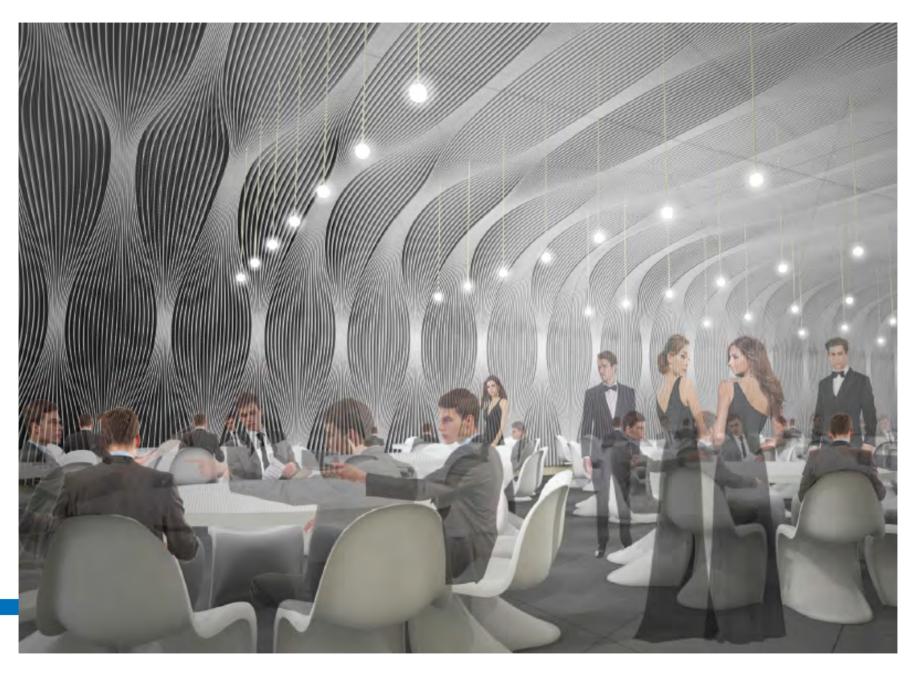


DETAIL SECTION THROUGH CEILING, WALL AND SIDE STEPS LIGHTING STRATEGY AND SPEAKER INTEGRATION DETAILS

Auditorium:

- The Auditorium area has capacity of 250 seats.
- The main interior wall covering material is timber; a combination of open timber slats & solid timber slats , curving and forming side steps and become the floor surface. And rear wall to be cladded with specialised acoustical fabric panels.
- Lightings are designed like a ribbon strip inside timber panels all over the ceiling.



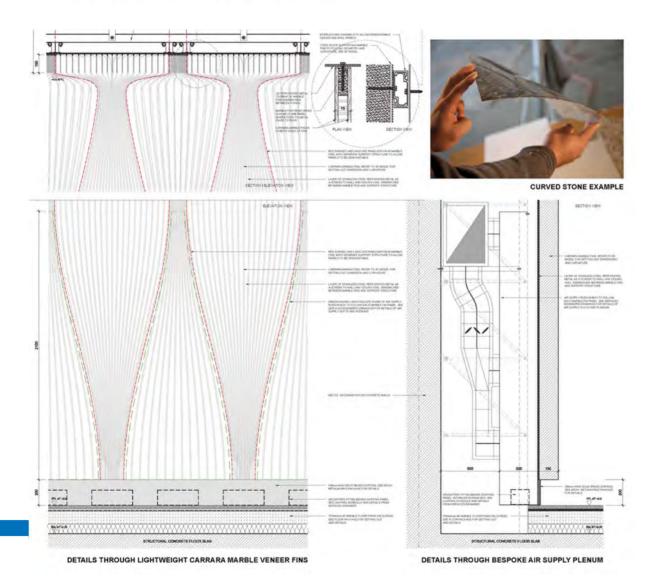




Central Bank of Iraq, Headquarters, Baghdad, Iraq

Podium Design Development

Event Space - Lightweight Carrara Marble Veneer Fins Detail



Event space:

- The event space is envisaged as being a flexible area which can host a variety of functions ranging from corporate hospitality events, trade delegations, conferences and multi-media presentations.
- The main interior wall and ceiling covering material is very thin Carrara marble with aluminium honeycomb lightweight structure. These curved Marble fin panels are designed to have continuous and seamless throughout the entire Event Space.

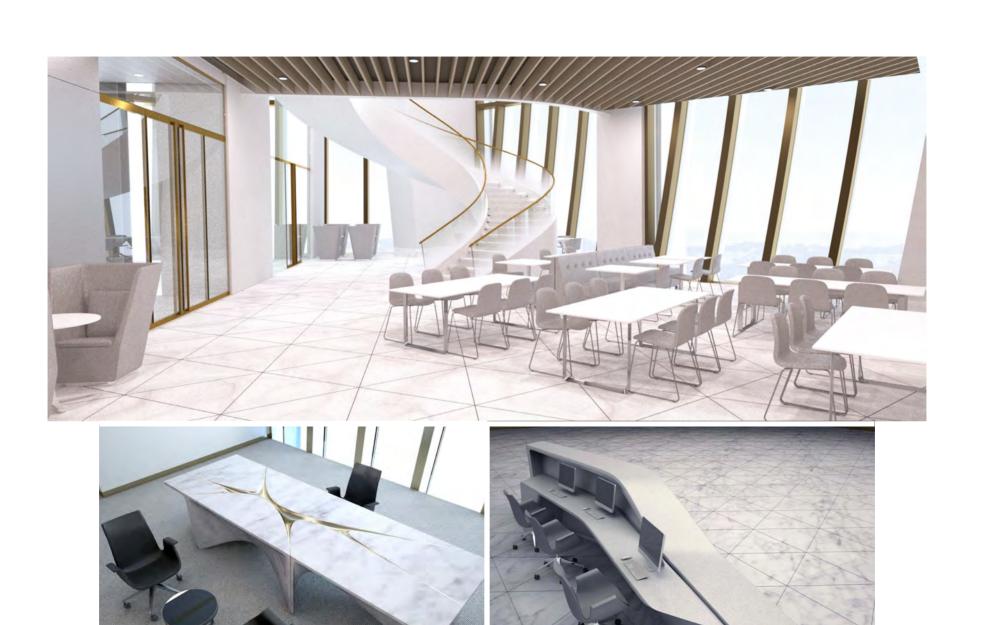








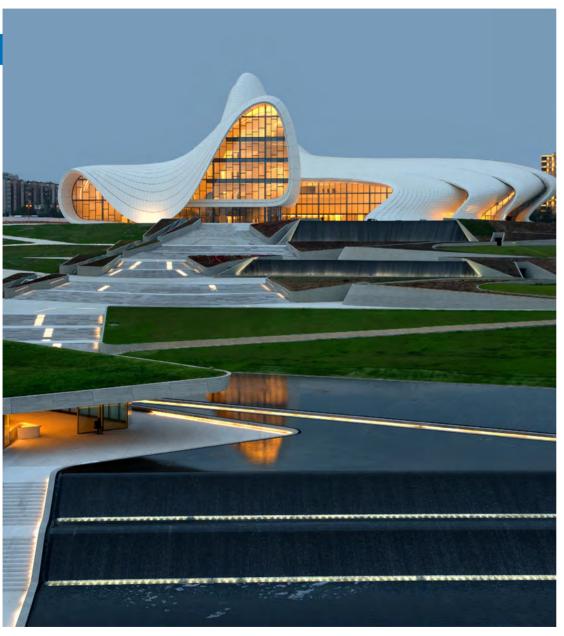
Central Bank of Iraq, Headquarters, Baghdad, Iraq







HEYDAR ALIYEV CULTURAL CENTER AZERBAIJAN



TYPE: Museum & Cultural LOCATION: Baku, Azerbaijan

CLIENT: Republic of Azerbaijan
DESIGN: Zaha Hadid Architects

SCOPE: Built

BUILT-UP AREA: 101.801 sqm
PROJECT COMMENCE: October 2007
PROJECT COMPLETE: December 2012

The Heydar Aliyev Cultural Center, has already been included in the list of the best architectural projects of 2012. Iraqi-British architect Zaha Hadid's amazing curves are on full display in the Heydar Aliyev Cultural Center, a fluid form constructed of glass-reinforced concrete that emerges from the folds of the landscape's natural topography.

All functions of the Center, including the entrances, are represented by folds in a single continuous surface. This fluid shape gives an opportunity to connect various cultural spaces while at the same time provide each element of the Center with its own identity and privacy. As it folds inside, the skin fades away to become an element of the interior landscape of the Center.







Heydar Aliyev Cultural Center, Azerbaijan



Some important items as;

- 121.000 m3 concrete
- 194.000 formwork and 19.000 ton steel forms used for R/C works.
- 5.500 tons structural steel will carry the outer skin of
- 40.000 m2formed from Glass Fibre Reinforced Plastic (GFRP) panels, a total of almost 17.000 single panel of different geometry. Stability and Sustainability.



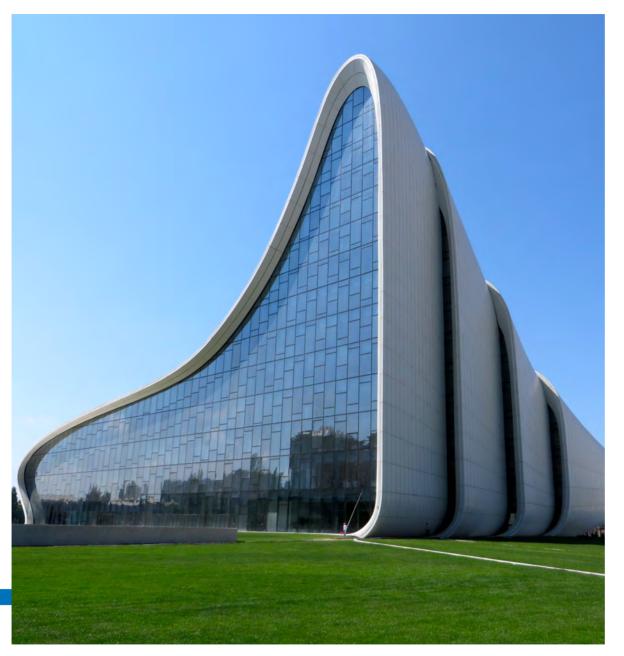
Heydar Aliyev Cultural Center, Azerbaijan







Heydar Aliyev Cultural Center, Azerbaijan



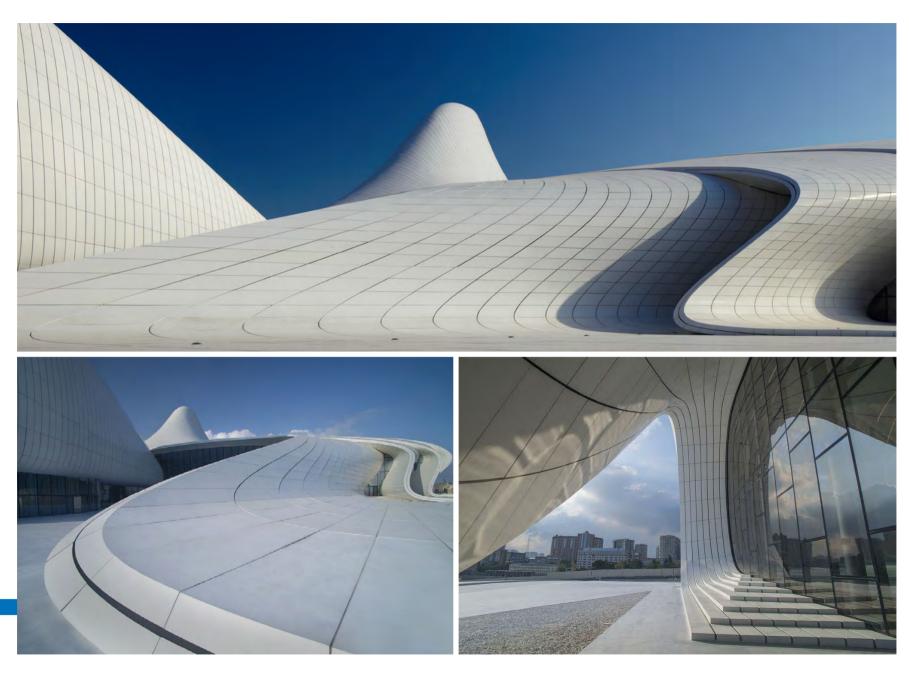
Heydar Aliyev Cultural Center, Azerbaijan

Façade:

The external envelope lies at the core of the design concept embodying the architects' vision of spatial continuity between the building and its immediate hardscape. The fiberglass reinforced plastic - GFRP panels used to clad the external shell and on the plaza area , fiberglass reinforced concrete - GFRC panels used to clad the hardscape surface for durability and slip resistance.

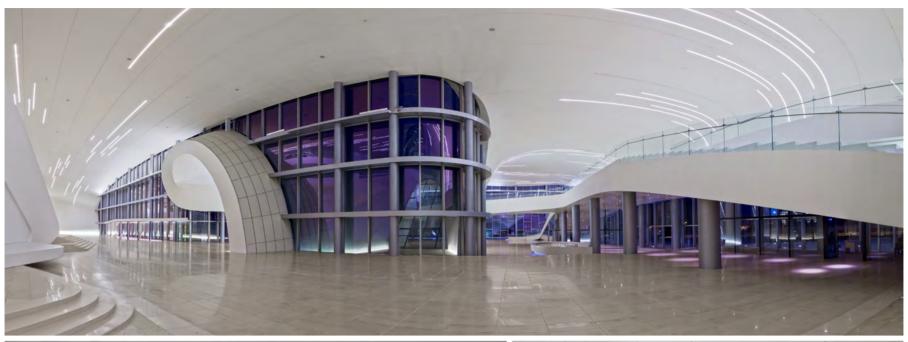
Many elements of the building, especially its external shell, required individually designed molds, with 70 percent being curvilinear. The installation of these panels on site was a tremendous challenge; designing the space frame supporting the external and internal shells across wide spans involved highly specific engineering calculations and software.







Heydar Aliyev Cultural Center, Azerbaijan







Heydar Aliyev Cultural Center, Azerbaijan





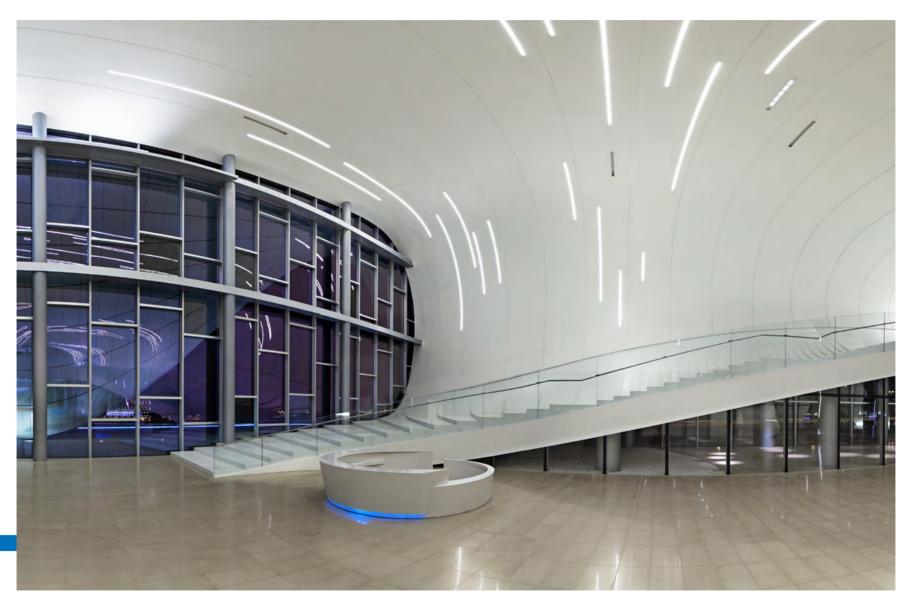


Heydar Aliyev Cultural Center, Azerbaijan



Heydar Aliyev Cultural Center, Azerbaijan







Heydar Aliyev Cultural Center, Azerbaijan



STORY HIGHLIGHTS

- Concert halls highlighted as visually beautiful buildings in new report
- 15 buildings named, upcoming halls in construction also highlighted
- United States and Spain both get two buildings listed

(CNN) -- As pretty on the eyes as they are dramatic on the ears.

That's how we should appreciate some of the world's concert halls, according to building data company Emporis.

The Hamburg-based company has put together a list of what it's calling the world's most spectacular concert halls.

"These days concert halls also have remarkable architecture, offering audiences a great show even before they have taken their seats," the report said.

"More and more concert halls are being built that stand out by virtue of their eye-catching shapes, colors and materials."

MORE: World's 10 most spectacular university buildings

It highlights the Heydar Aliyev Center in Baku, Azerbaijan, as an example of an "extraordinary" concert structure: "The white building's curved, wave-like shape makes it seem as if it has been 'poured' into the landscape."



Building Name	Year	City	Country	Architect
Auditorio de Tenerife Adán Martín	2003	Santa Cruz	Spain	Santiago Calatrava S.A.
Casa da Música	2005	Porto	Portugal	Office for Metropolitan Architecture
Cidade das Artes	2013	Rio de Janeiro	Brazil	Atelier Christian de Portzamparc
Esplanade Concert Hall	2002	Singapore	Singapore	DP Architects Pte Ltd, James Stirling, Michael Wilford & Associates, PWD Corp Pte Ltd
El Palau de les Arts Reina Sofía	2005	Valencia	Spain	Santiago Calatrava S.A.
Награ	2011	Reykjavik	Iceland	Henning Larsen Architects, Batterliö Architects
Heydar Aliyev Center	2013	Baku	Azerbaijan	Zaha Hadid Architects
Kauffman Center for the Performing Arts	2011	Kansas City	U.S.A.	Moshe Safdie & Associates, BNIM Architects
Kilden Performing Arts Centre	2012	Kristiansand	Norway	ALA Architects Ltd., SMS Arkitekter AS
MUMUTH	2008	Graz	Austria	UNStudio
National Centre for the Performing Arts	2007	Beijing	China	Paul Andreu
Philharmonie	1963	Berlin	Germany	Hans Scharoun
Sage Gateshead	2004	Gateshead	UK	Foster + Partners
Uppsala Konsert & Kongress	2007	Uppsala	Sweden	Henning Larsens Tegnestue A/S
Walt Disney Concert Hall	2003	Los Angeles	U.S.A.	Gehry Partners, LLP
Source: www.emporis.com				EMPORIS





Contours. New buildings dazzle the eye with shape-shifting magic



HEYDAR ALIVEY CULTURAL CENTER

radi-Birtish architect Zaha Hadidis cultural center
in Azerbaijan's capital, Baku, seems to echo the
wind-shaped dunes of the aird nation's desert
spaces. Discussing her style, the architect told TIME
or 2012, "It started off through fligaring out what to
so with lightness or flight. Later it had to do more
with topography and landscape, emutilating a natuwith topography and landscape, emutilating a natunor of lightlight the center's component parts.



World's 15 most beautiful concert halls

By CNN Staff
March 3, 2014 – Updated 0953 GMT (1753 HKT)

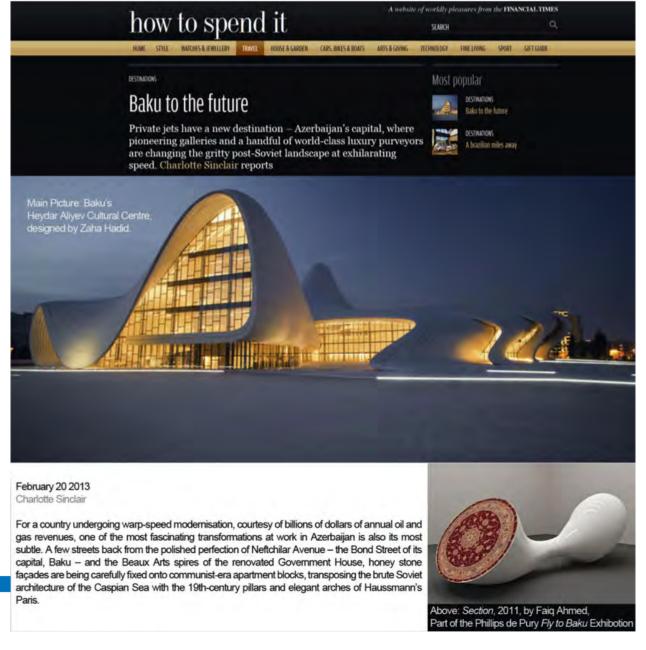
CNN Style



STORY HIGHLIGHTS

(CNN) -- As pretty on the eyes as they are dramatic on the ears.







BAKU FLAME TOWERS PROJECT AZERBAIJAN



TYPE: Mixed Use

(Hotel, Office, Residential, Retail)

LOCATION: Baku, Azerbaijan
CLIENT: Azinco Development

CONCEPT DESIGN: HOK Architects
SCOPE: Design & Built
BUILT-UP AREA: 258.362 sqm

HEIGHT: 181 m

PROJECT COMMENCE: March 2008
PROJECT COMPLETE: December 2014

In designing a high-density mixed-use development, located in the heart of the city on a hill overlooking Baku Bay, the London office of HOK symbolized Azerbaijan's status as the "land of fire" by creating a trio of towers in the shape of flames.

Some important items as;

- 210.000 m3 Concrete
- 40.000 Tones reinforcement bars
- 3,000 Tones structural steel

"Rising nearly 800 feet, the Flame Towers will be among the tallest skyscrapers in the country. But it's their constantly curving design that makes these some of the most challenging structures ever attempted."

(Science Channel)







Baku Flame Towers Project, Azerbaijan





*157th Top International Contractor (DIA Holding)

*197th Top International Designer (DIA Holding)

* Engineering News Record Ranking of 2015.



Baku Flame Towers Project, Azerbaijan











Baku Flame Towers Project, Azerbaijan



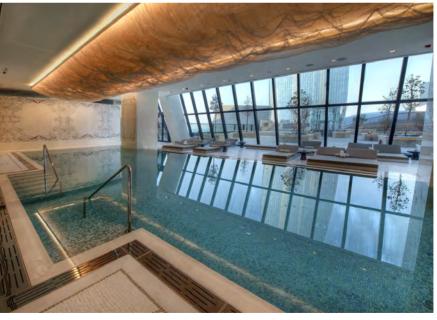


Baku Flame Towers Project, Azerbaijan



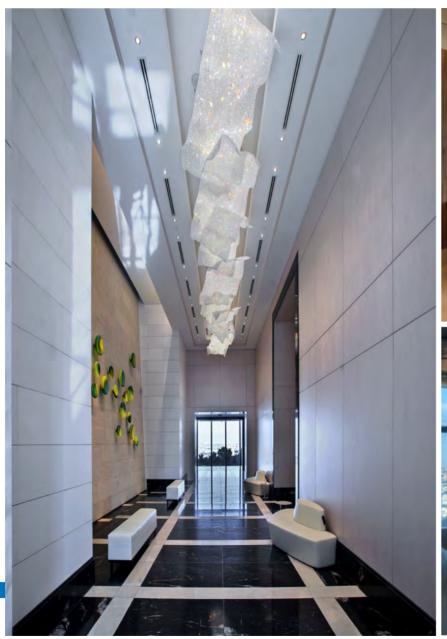








Baku Flame Towers Project, Azerbaijan







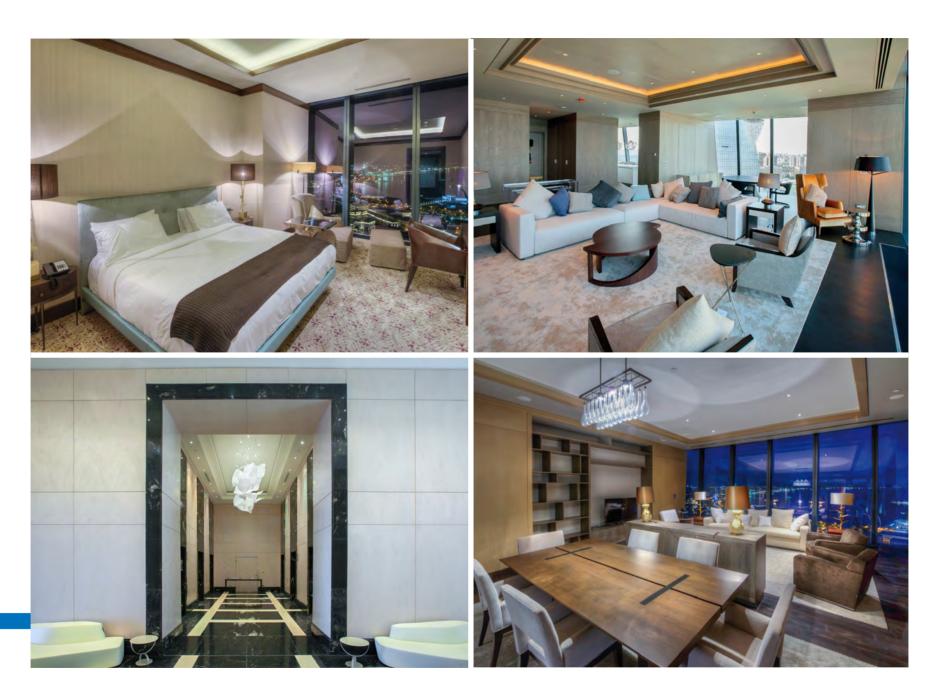
Baku Flame Towers Project, Azerbaijan







Baku Flame Towers Project, Azerbaijan



Baku Flame Towers Project, Azerbaijan



SHAHDAG TOURISM COMPLEX PROJECT AZERBAIJAN







TYPE: Ski Resort Complex

(Infrastructure, Slopes and Snow Making, Hotel, Liftbase Building,

Retail,)

LOCATION: Qusar, Azerbaijan

CLIENT: Ministry of Tourism & Culture

DESIGN: ILF ENGINEERS

SCOPE: Built

BUILT-UP AREA: 120.000 sqm

PROJECT COMMENCE:

December 2009 (Phase-I), July 2012 (Phase-II)

PROJECT COMPLETE:

October 2014 (Phase-I), December 2016 (Phase-II)

INFRASTRUCTURAL WORKS=

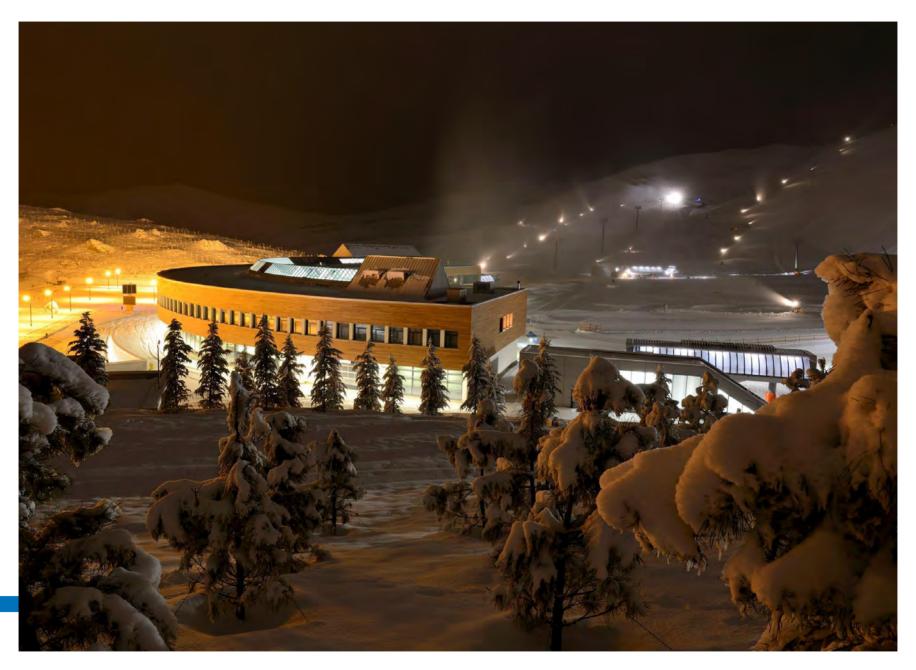
TOTAL EXCAVATION VOLUME: 900.000m3
TOTAL FILLING VOLUME: 550.000m3
TOTAL EARTMOVE VOLUME: 3.500.000m3

TOTAL PILES: 11.9km
TOTAL SNOW MAKING AREA: 40 ha

TOTAL ASPHALTED ROAD: 111,415 M2
TOTAL PIPING: 35 KM
TOTAL POATABLE PIPING: 3.5 KM

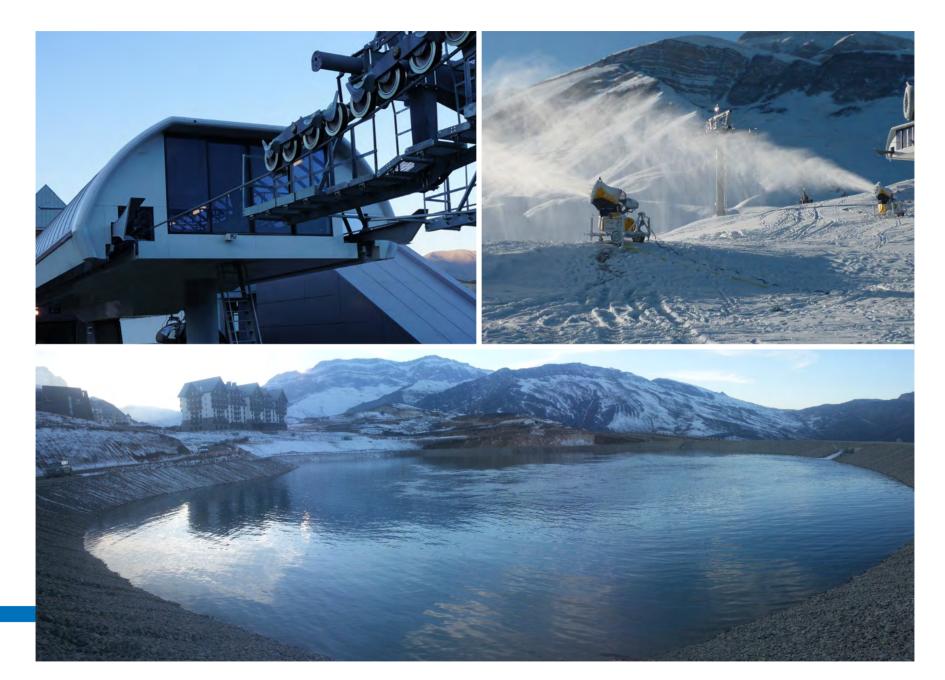
TOTAL FIBEROPTIC CABLING: 28,725 KM







Shahdag Tourism Complex Project, Azerbaijan















Shahdag Tourism Complex Project, Azerbaijan







The Shahdag Tourism Complex is the first step towards becoming the "Ice Country" for Azerbaijan which is known as "Fire Country", is one of the most important structures of the country in terms of winter tourism. The center, which has 4 ski slopes in total, hosts many domestic and foreign tourists every year. "Best place for skiing experience in Azerbaijan

Across the centuries, the north-east corner of Azerbaijan has served as the gateway between Europe and the Middle East. Here, in the shadow of the majestic Caucasus Mountains, hides untold natural beauty."

(Excerpt from the official web-site)





QEBELE HEADQUARTERS PROJECT AZERBAIJAN





(Headquarters & Residance &

Support Buildings)

LOCATION: Qebele, Azerbaijan

CLIENT: Azerbaijan Government

SCOPE: Design & Built

BUILT-UP AREA: 12.546 sqm

PROJECT COMMENCE: August 2012

PROJECT COMPLETE: September 2014



It is a Government Guest House project with 12,546 square meters of area, including the presidential building, residence building, technical building and security wall.

100.000m2 site property infrastucture is arranged according to regional conditions. Also lansdcape design has big importance in the project with artifical lake and pedestrian walking paths.







Qebele Headquarters Project, Azerbaijan



Qebele Headquarters Project, Azerbaijan



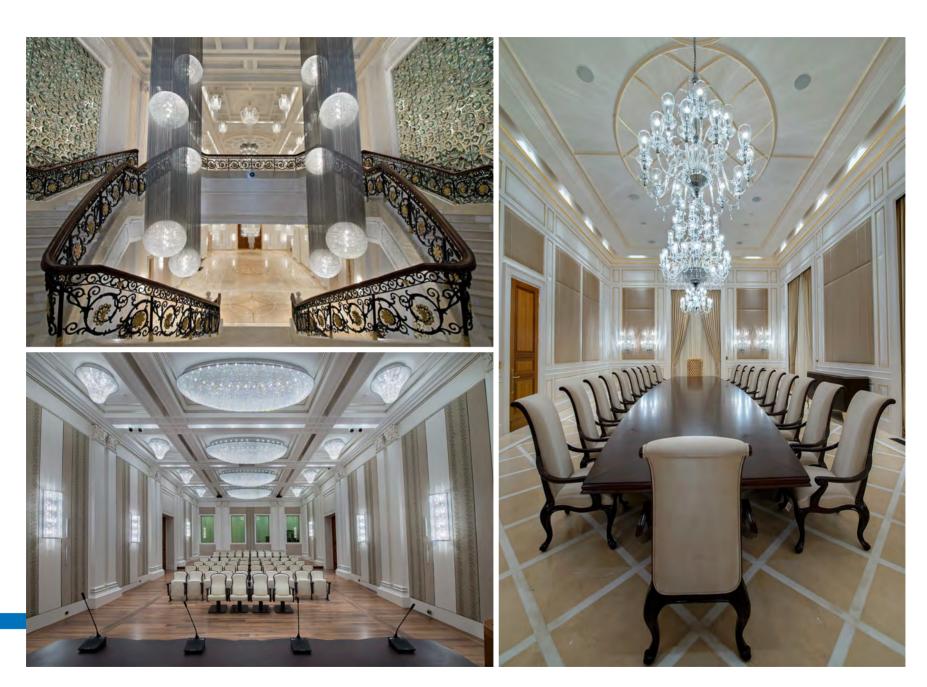






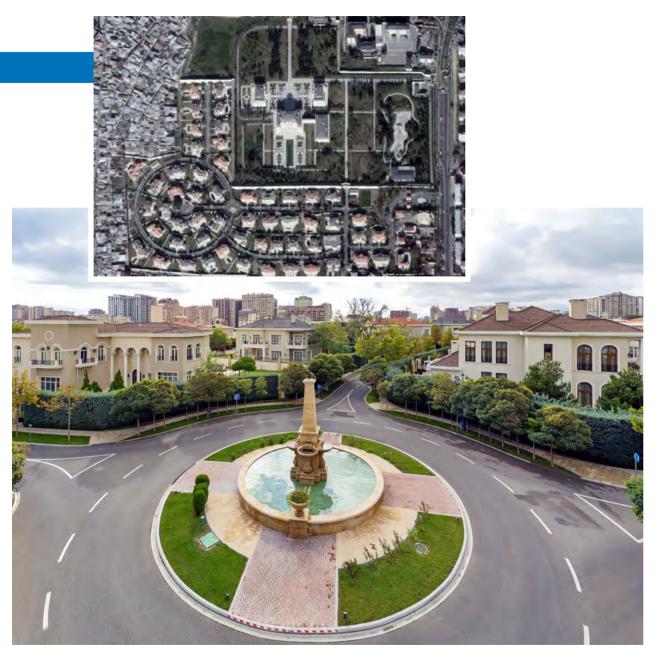


Qebele Headquarters Project, Azerbaijan









PREMIUM VILLAS PROJECT BAKU - AZERBAIJAN

TYPE: Residential

LOCATION: Baku, Azerbaijan

SCOPE: Design & Built (55 different type villas)

BUILT-UP AREA: 59.087 sqm LAND PLOT: 185.000 sqm

PROJECT COMMENCE: November 2010

PROJECT COMPLETE: March 2012

On a land of 185,000 square meters, there are 55 luxurious villa projects ranging from 600 to 1100 square meters, each with different architectural design

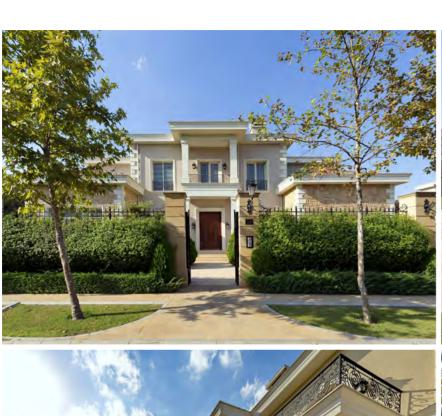
"Convenient location of the compound right in the hearth of the Azerbaijani capital complemented with full isolation from the hustle and the bustle of city life in hectic metropolis."







Baku Premium Villas Project, Azerbaijan









Baku Premium Villas Project, Azerbaijan





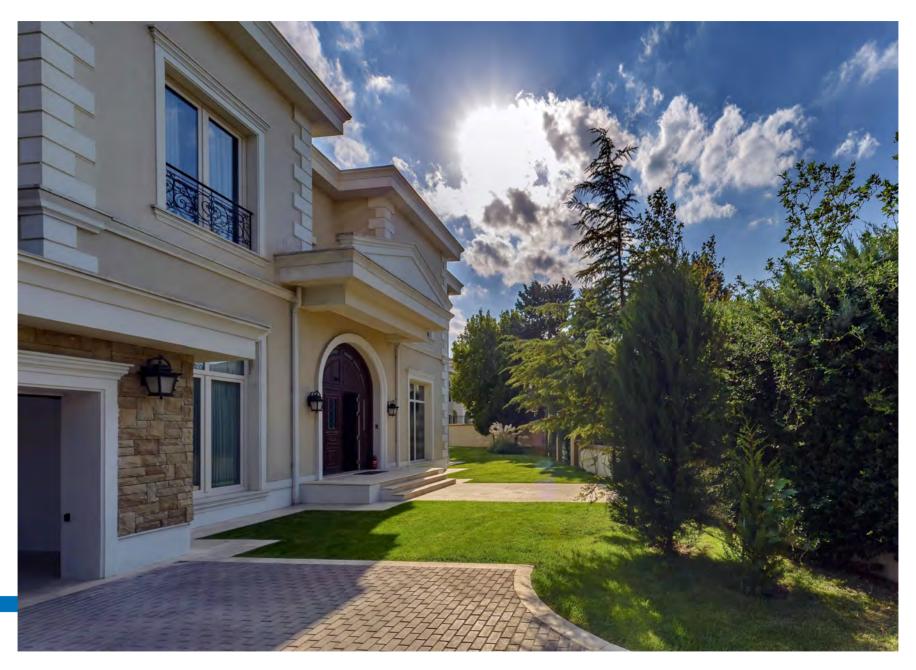


Baku Premium Villas Project, Azerbaijan



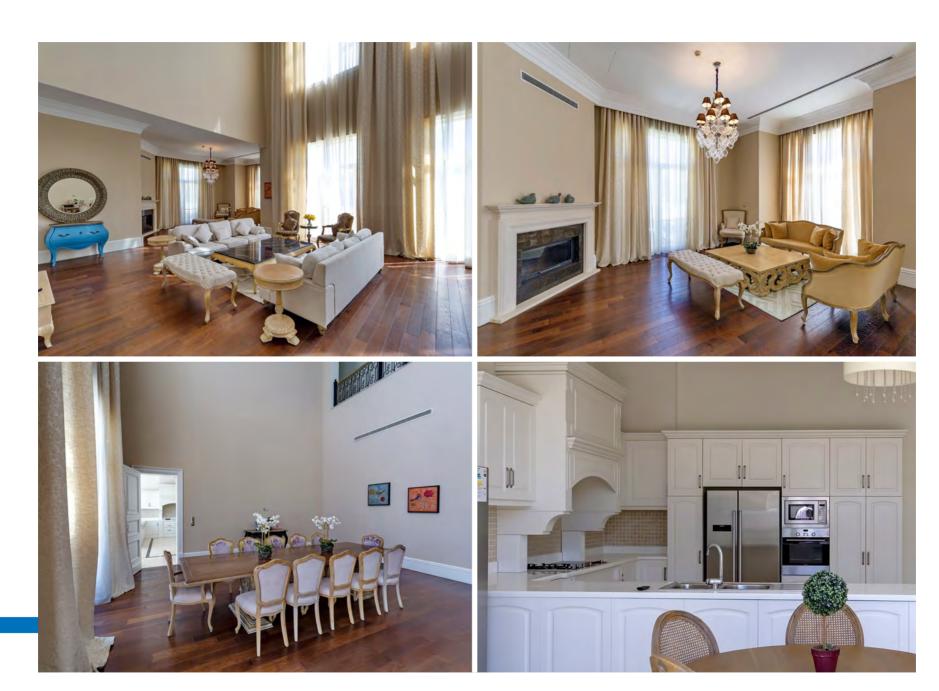






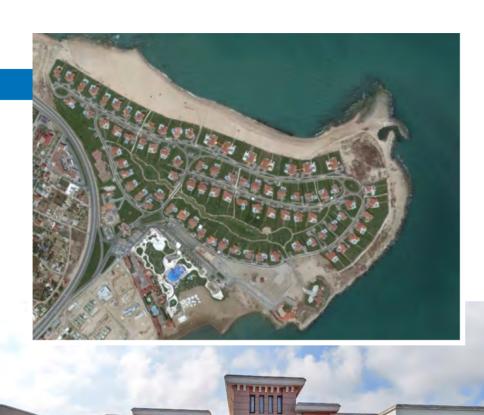


Baku Premium Villas Project, Azerbaijan











TYPE: Residential

LOCATION: Baku, Azerbaijan
SCOPE: Built (73Villas)
BUILT-UP AREA: 71.963 sqm
LAND PLOT: 530.000 sqm

PROJECT COMMENCE:

December 2008 (Phase-I), October 2010 (Phase-II)

PROJECT COMPLETE:

December 2009 (Phase-I), June 2012 (Phase-II)

It is a complex consisting of 73 luxurious villas built on 71.963 m2 construction area. Villas are designed in 5 unique designs; each villa has 1200 m2 usage area. The project, built on the shores of the Caspian Sea, includes social facilities such as sports fields, landscaping and hiking trails.







Bilgeh Estate Project, Azerbaijan











Bilgeh Estate Project, Azerbaijan



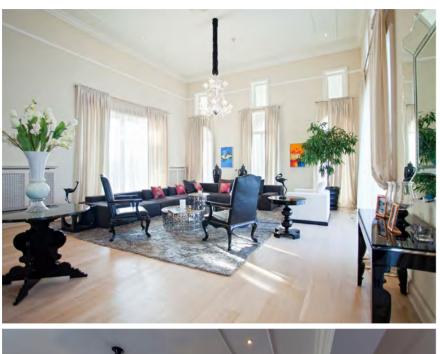






Bilgeh Estate Project, Azerbaijan













Bilgeh Estate Project, Azerbaijan







ZAGULBA HEADQUARTERS PROJECT BAKU - AZERBAIJAN

TYPE: Office & Residantial

LOCATION: Zagulba , Baku
SCOPE: Design & Built
BUILT-UP AREA: 23.000 sqm

PROJECT COMMENCE: January 2007

PROJECT COMPLETE: May 2008





Complex is including one headquarters office, two main residances, two guest villas and one seperate administration building. All zone is secured with specialised boundry walls.







Zagulba Headquarters Project, Azerbaijan



Zagulba Headquarters Project, Azerbaijan









MERSIN INTEGRATED HEALTH CAMPUS PROJECT

TYPE: Health

LOCATION: Mersin, Turkey

CLIENT: Ministry of Health of Turkey

SCOPE: Built

BUILT-UP AREA: 369.591 sqm LAND PLOT: 232.000 sqm

PROJECT COMMENCE: December 2014

PROJECT COMPLETE: December 2016

The campus, which is built on an area of 369.591 m2 and is attracting attention with its useful, durable and aesthetic architecture consisting of areas for needs such as main hospital building with 1259 bed capacity, technical services building and covered car parking.

In Turkey it is the first project named as "Public-Private Cooperation Model" (PPP) with the implementation of the first hospital campus. In 2014 it received the "Best PPP Project" award.







Mersin Integrated Health Campus Project, Turkey



Mersin Integrated Health Campus Project, Turkey





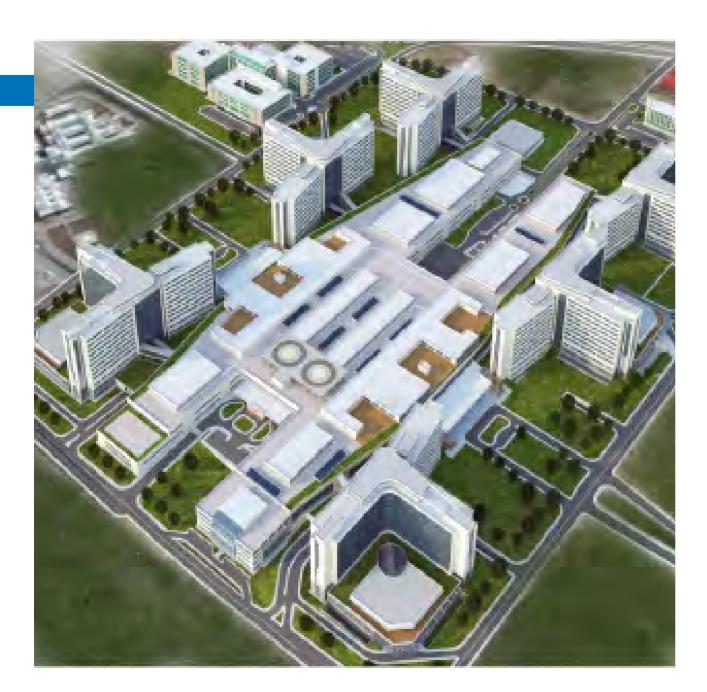


Mersin Integrated Health Campus Project, Turkey









BILKENT INTEGRATED HEALTH CAMPUS PROJECT

TYPE: Health

LOCATION: Ankara, Turkey

CLIENT: Ministry of Health of Turkey

DESIGN: NKY Architects

SCOPE: Built

BUILT-UP AREA: 1.285.798 sqm LAND PLOT: 1.200.000 sqm

Total 3.704 Beds Capacity

A Total Of 8 City Hospitals, With All Integrated

Facilities, Infrastructure, Landscape & Ffe

Provision Services For 25 Years To Be Provided

PROJECT COMMENCE: April 2015

PROJECT COMPLETE: June 2017 (until alteration)







Bilkent Integrated Health Campus Project, Turkey



Bilkent Integrated Health Campus Project, Turkey







Bilkent Integrated Health Campus Project, Turkey



Bilkent Integrated Health Campus Project, Turkey







ERBIL GOLF PROJECT

PROJECT NAME: Erbil Hills

DEVELOPER: Private Entity

CONCEPTUAL DESIGN & MASTER PLANNER: PDI Golf

COURSE DESIGN: DYE

DESIGN MANAGEMENT: DAAX Construction Main

CONTRACTOR: DAAX Construction

TOTAL SITE AREA: 1,900,000 sqm

-2,000,000 sqm

(including golf course)

GOLF COURSE : 650,000-700,000 sqm

(18-holes)

ESTIMATED CONSTRUCTION DURATION: 6 Years





Erbil Golf Project







General Information:

Erbil Golf Course & Residence
Complex will be a resort and
residence complex development on
approximately 2,000,000 sqm
including an 18-hole Golf Course,
VVIP Complex Zone, Golf Resort Zone,
Commercial Zone, and other ancillary
amenities.

There will be a Lifestyle Shopping
Center, an open-air series of small
scale buildings for a variety of retail
tenants likely to include Restaurants,
Night Clubs and a Cinema. Ancillary
facilities include Operations &
Grounds Maintenance facilities, Public
Safety Facilities, Infrastructure &
Utilities, along with other structures
and land uses to be determined during
the master planning process.

Erbil Golf Project







Erbil Golf Project











Erbil Golf Project



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