COMPLEX PROJECTS

Urban Sports Centre Sebastiaan de Boer 15-06-2022 P5

table of contents

introduction research design brief concept implementation development conclusion

introduction

research design brief concept implementation development conclusion introduction



introduction **beirut**



introduction

site



introduction

lebanese in need of public gathering space for leisure







introduction sport as type of leisure

Leisure is not just a sense of enjoyment, but is time not spent working or sleeping. Sport is the most efficient form of leisure to bring Beiruti together.

introduction the social cement

"Sport is the 'social cement' that helps build the social cohesion that binds families, communities and neighbourhoods"

(Spaaij, 2013)

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research

quantity of public gathering space



research

lack of public gathering space



research quality of public gathering space

"The limitations of Beirut's spectacle city center are further underscored by residents, who criticize the new Down Town for **providing little "neutral" space** for people to **meet, socialize,** or **engage** with one another."

(Larkin, 2010)

research

socially fragmented city



overall benefits of social cohesion

"Social cohesion is a key factor in defragmentating the city."

(Jennings & Bamkole, 2019)

research main problems





research main problems





research main problems





research the ambition is to...



research

...build a sports hub...



research

...where people come together and spend time together



research research question

How can a sports facility influence the socio- spatial development of Beirut's city centre?

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concept implementation development conclusion



design brief current challenges



UNATTRACTIVE AREA

design brief flat surface



design brief height difference



design brief height difference



design brief **highway**



design brief **highway**







design brief cultural city centre



design brief

users





design brief program on site studies



the tower



the public slab



along the highway



the two volumes



the hill
design brief communal and affordable sports







design brief

program bar

16.5%	1742m²	get together plaza	
21.5%	2294m²	playground	public gathering
2.5% 2%	238m ²	cafe	
2%	158m ²	yoga/dance studio	
7.5%	804m ²	circulation	
14%	1527m²	skate park	
3%	325m ²	fitness	
3%	319m ²	bouldering	sports
3%	291m ²	3x3 basketball	
6%	659m ²	sports hall	
11.5%	1215m ²	changing room	
3%	324m ²	grand stand	
4.5%	493m ²	logistics	technical
2%	219m ²	technical	
total	10608m ²		



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concept design ambitions



TO BE INCLUSIVE PROVIDE PUBLIC SPACES









concept inclusive





concept public spaces

Beirut Studio

concept building bridges



concept: sport + public gathering spaces

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group site plan



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rescaled to fit page

implementation top to bottom



implementation themed platforms



plan view roof



main route



implementation main route











implementation impression café



playground





green heart



green heart



development

impression green heart



implementation sports hall



implementation sports hall



implementation impression sports hall



implementation **floor +4000**





implementation skate park



implementation impression skate park



implementation ground floor +0


implementation

ground floor +0



drawn scale 1:200 rescaled to fit page

implementation entrance hall



implementation impression entrance hall



implementation

urban concrete materials







implementation wooden materials







implementation recycled plastic materials







implementation west elevation





drawn scale 1:200 rescaled to fit page

implementation south elevation



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В

Itsalla Bayrin aka

implementation east elevation





drawn scale 1:200 rescaled to fit page

implementation north elevation





drawn scale 1:200 rescaled to fit page implementation section aa'



implementation section aa'



implementation













implementation section bb'







implementation









implementation section dd'



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development waffle slab 1000x1000x500



development why waffle slab



artist: gomma.png

development why waffle slab

















development summer situation



development winter situation





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detail 1



detail 2





111

detail 3



hr+++ glass

sandwich panel

concrete wall

ral9005

(230mm)

(500mm)

detail 4



detail 5



1	sports floor (11mm)
2	anhydrite floor (49mm)
3	dovetailed sheeting + concrete (90mm)
4	steel suspension profiles (40mm)
5	pir insulation (60mm)
6	pressure layer (80mm)
7	h320 hollow core slab (320mm)
8	eps insulation (110mm)

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How can a sports facility influence the socio- spatial development of Beirut's city centre?











conclusion itsalla bayrut

itsalla - ىلستي - to pass the time

thank you

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