



ADVANCED ARCHITECTURE

# ADVANCED ARCHITECTURE

**HOUSING**  
Single House, Private House, Town House, Apartment, Social Housing, Residential Building, Lobby of Residential Building

**EDUCATION**  
Kindergarten, Secondary school, University, College, School of Arts, Library, Education Center, Youth Hostel

ESD | DAVID

ADVANCED ARCHITECTURE

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# ADVANCED ARCHITECTURE

**OFFICE & COMMERCIAL**  
Craft Shop, Studio, Office, Hotel, Market, Hotel, Efficiency Apartment

**LANDSCAPE**  
Park Design, Street Planning, Urban Design, Masterplan

**INSTALLATION**  
Installation, Memorial, Cabin, Showcase, Playground

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ADVANCED ARCHITECTURE

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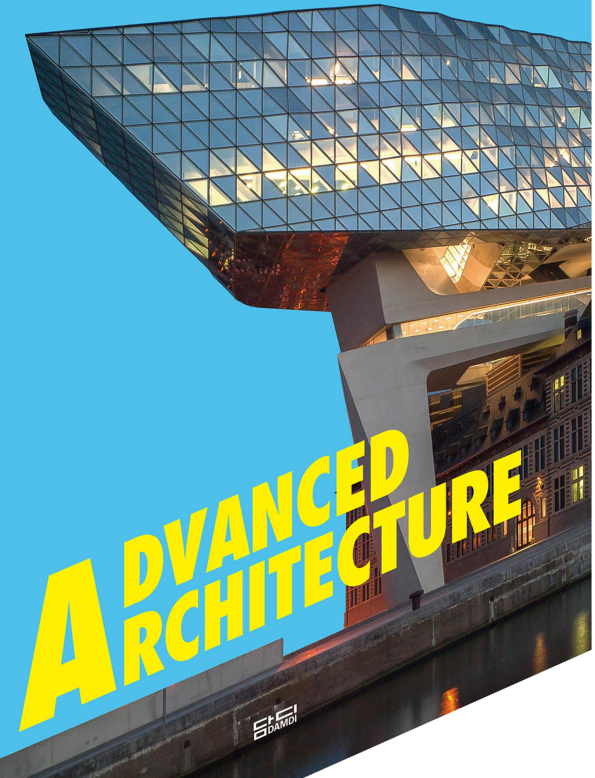
# ADVANCED ARCHITECTURE

**EXHIBITION & PUBLIC FACILITIES**  
Exhibition, Product, Lighting Design, Stair

**PUBLIC FACILITIES**  
Memorial Center, Commemorative Structure, Religious Facility

**MUSEUM**  
Exhibition Hall, Museum Hall, Stadium, Gym, Community Center

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# ADVANCED ARCHITECTURE

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**IGSMA\_**  
luca galofaro stefania manna e associati



LUCA GALOFARO STEFANIA MANNA E ASSOCIATI  
Luca Galofaro, Stefania Manna e Associati (IGSMA\_) is founded by Luca Galofaro and Stefania Manna in 2016.

Gianluca Fontana is the associated architect.  
The office sets up on the twenty-year experience of its partners and associated working as I&A+.  
IGSMA works on the inseparable relationship between architectural thinking and construction. Architecture is seen as a test field of ideas and very different research tools, which ultimately aims at the Project in every kind of form.

Luca Galofaro has intensely pursued in teaching, writing and research, activities which have been an integral part of the office's engagement with architecture.  
Stefania Manna has focused on the technical and material complexity of the project as a tool to transfer its ideal substance into build reality under any given circumstances.

**M arti D Mimarlık**



M arti D Mimarlık was founded in 1987 in Izmir by Metin Kılıç and Dürin Süer. They design various types of projects in various scales such as residential, commercial, healthcare, educational and urban design. With their intention that unites academic and practical skills, they contribute to today's architecture culture.

Metin Kılıç – Partner – Founder (Architect)  
He was born in 1962. In 1985 he graduated from 9 September University, Faculty of Architecture. He has been working and conducting M arti D Mimarlık since 1987 as founder and partner. He has many projects such as hospitals, educational institutions, hospitals, residences, commercial buildings. He has been principal of ISMD between 2013-2015. He has many prizes in architectural competitions.

Dürin Süer – Partner – Founder (Phd. Architect)  
She was born in 1965 in Ankara. In 1987 she graduated from 9 September University, Faculty of Architecture. She has completed Master and PhD Degrees in same university. Between 1987 – 2007 she has worked as academician in 9 September University, Faculty of Architecture. She has many articles published in architectural magazines about architecture education, architecture and utopia, architecture and technology, consumption spaces and residential spaces. She has been working in M arti D Mimarlık as founder and partner. She also takes place as jury member in architectural competitions and writes academical researchs and articles.

Ali Can Hakezoğlu (Architect)  
He was born in Izmir in 1989. He was graduated from Izmir University of Economics, Faculty of Architecture in 2011. He has been working in M arti D Mimarlık since 2011.

**MAD Architects**



Founded by Chinese architect Ma Yansong in 2004, MAD Architects is a global architecture firm committed to developing futuristic, organic, technologically advanced designs that embody a contemporary interpretation of the Eastern affinity for nature. With its core design philosophy of Shanghai City – a vision for the city of the future based in the spiritual and emotional needs of residents – MAD endeavors to create a balance between humanity, the city, and the environment. Globally recognized as a creative pioneer, founding principal Ma Yansong is a central figure in the world-wide dialogue on the future of architecture. Ma was named one of the "10 Most Creative People in Architecture" by Fast Company in 2009. He received the prestigious "International Fellowship" from Royal Institute of British Architects (RIBA) in 2011, and was selected as "Young Global leader (YGL)" by World Economic Forum (Davos Forum) in 2014.

MAD has been a pioneer in contemporary art and design. MAD has participated in significant exhibitions in the 10th, 11th and 12th Venice Architecture Biennales. MAD also participated exhibitions at the Victoria and Albert Museum (London), the Louisiana Museum of Modern Art (Copenhagen), and MAxXI (Rome). An array of MAD's architecture models have been acquired by the well-known M+ Museum (Hong Kong) as part of their permanent collections.

**Manila Architecture Workshop**



MAAW or Manila Architecture Workshop is a multidisciplinary architectural design studio founded in Manila, Philippines. The practice works globally providing full architecture, interior design, masterplanning and environmental graphic design for multiple types and scales of projects.

Through a collaborative design approach, we unite modestly with experience and a sense of honour for tradition and locality.

"We produce architecture that is contemporary, responsible, and ecologically sustainable. This is realized through a laborious design process together with our clients, consultants, and specialists. We understand the importance of mutual knowledge exchange with experts in diverse fields of building and construction is a vital part of the process of producing successful architecture.

We create effective architecture that consistently achieve results for our clients. Our particular area of expertise lies in developing strong working relationships and ensure that both our clients' and our own objectives are realized. Our design process is collaborative, and our clients are our most important collaborators. We are passionate about design, great to work with, and love challenges. MAAW uses architecture as a medium to connect people and responsible design.

**mecanoo**



Mecanoo architect, officially founded in Delhi in 1984, is made up of a highly multidisciplinary staff of creative professionals from 25 countries. The team includes architects, engineers, interior designers, urban planners, landscape architects and architectural technicians.

The company is led by its original founding architect and creative director, Francine Houben, technical director Aart Franssen and financial director Peter Hozaebroek, who are joined by partners Francesco Vesterla, Ellen van der Wal, Paul Keteleers and Dick van Ganseren.

The extensive collective experience, gained over three decades, results in designs that are realized with technical expertise and great attention to detail. Mecanoo's projects range from single houses to complete neighbourhoods and skyscrapers, cities and polders, schools, theatres and libraries, hotels, museums, and even a chapel.

Discovering unexpected solutions for the specifics of programme and context is the foremost challenge in all of our assignments. Each design is considered in terms of its cultural setting, place and time. As such, Mecanoo treats each project as a unique design statement embedded within its context and orchestrated specifically for the people who use it.

Within the practice are knowledge centres which enable us to stay current on technological and design innovations in sustainability, eco-engineering, technology, education and learning, highrise and mobility.

Preoccupied not by a focus on form, but on process, consultation, context, urban scale and integrated sustainable design strategies, the practice creates culturally significant buildings with a human touch.

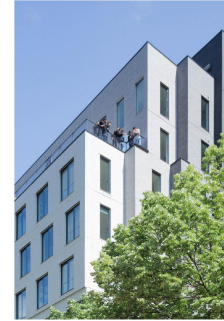
**MMK+**



MMK+ is an award-winning architecture and urban design firm founded by Pilsoo Maing, Donghwan Moon and Jihoon Kim, initially in New York City, providing Architecture, Urban Design, Adaptive Reuse design services locally and internationally. In 2016, the firm won the international design competition for Nodoul Island, an abandoned artificial island in the heart of Seoul, South Korea, and also opened Seoul office for the symbolic project in Seoul.

As a collective of interdisciplinary experts, the firm strongly believes that today's complex phenomena and problems in our physical environments must be strategized and designed through active dialogue between diverse disciplines not by a single experts. Continuously expanding the parameters, MMK+ aims to create a place that is contextual, timeless, functional and socially-responsible through extensive studies and researches on architecture and urbanism.

**nARCHITECTS**



nARCHITECTS was listed in 2014 as one of the top 50 architecture firms in the US by Architect Magazine, with a ranking of 7th in the design category. In 2012, World Architecture News named nARCHITECTS "part of a select group crowned to lead the next generation of designers in the 21st century." National and international recognition includes a New York City Public Design Commission Award, AIA/NY Design Honor and Merit Awards, The Architectural League of New York's Emerging Voices, the Canadian Professional Rome Prize, Architectural Record's Design Vanguard and two New York Foundation for the Arts grants.

nARCHITECTS' design approach is characterized by four inter-related issues:

**Economy:** Our primary goal is that our designs should achieve a maximum effect with a minimum of conceptual and material means. Throughout the design process, we ask ourselves: what is the most clear and essential architectural expression of a project's goals? We leverage this apparent simplicity towards a richness of experience.

**Resilience:** nARCHITECTS approaches sustainability by designing for environmental and social resilience. Our commitment to sustainability starts by considering positive relationships between buildings and their sites, the impact of fundamental design issues such as building organization on energy consumption, and value relative to investment. When addressing ecological and social questions, nARCHITECTS identifies design opportunities that contribute to the broader goals of the project.

**NL Architects**



NL Architects is an Amsterdam based office. The three principals, Pieter Bannenberg, Walter van Dijk and Kamiel Klaasse, officially opened practice in January 1997, but had shared workspace already since the early nineties. All were educated at the Technical University in Delft.

NL Architects aspires to catalyze urban life. The office is on a constant hunt to find alternatives for the way we live and work. How can we intensify human interaction?

We understand architecture as the speculative process of investigating, revealing and reconfiguring the wonderful complexities of the world we live in. Can we compress banality into beauty, squeeze the sublime out of the obvious? How can we transform, twist, bend, stack, stretch, enhance or reassess the components that constitute our environment into new and better configurations?

Often the projects focus on ordinary aspects of everyday life, including the unappreciated or negative, that are enhanced or twisted in order to bring to the fore the unexpected potential of the things that surround us. By sampling existing fragments of reality and recombining them, gluing bits and pieces together into new coherent arrangements, our architecture can be understood as The Remix of Reality; the architect as DJeey.

Some of our projects include Parkhouse/Carstoft (an attempt to integrate auto-mobility and architecture), WACS B (a seamless Heat Transfer Station) and the Mandarin Duck Store in Paris. The BasketBall (a grand café with basketball court on the roof) and ABemA, the redevelopment of the space under an elevated highway, have become emblematic contributions to contemporary culture.  
The office employs a highly skilled international staff of about 20 people.

<b>4</b>	
0960	Suncheon Art Platform
0978	Museum des 20
<b>4</b>	
0286	IAOIZ Nedim Uysal Technical High School
<b>5</b>	
0516	Balkesir Municipality Service Building
0658	Tasarim Karidolari
<b>6</b>	
0878	Caferaga Sport and Cultural Center
0906	Adana Chamber of Commerce
1010	Antalya Muratpasazı Performance Center

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0270	Claver House
<b>5</b>	
0448	Xinhee Design Center
<b>6</b>	
1022	China Philharmonic Hall
1030	Harbin Opera House

<b>6</b>	
0896	A Community Civic Center
<b>5</b>	
0344	Library Technical University Delhi
<b>5</b>	
0468	Hilton Amsterdam Airport Schiphol
<b>6</b>	
0950	Kaap Ski, Maritime and Beachcomber Museum

<b>5</b>	
0502	Jeongdong Floating Forest
0586	Nodoul Island
<b>4</b>	
0344	Library Technical University Delhi
<b>5</b>	
0468	Hilton Amsterdam Airport Schiphol
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0502	Jeongdong Floating Forest
0586	Nodoul Island
<b>4</b>	
0144	Carnell Place
<b>5</b>	
0636	Dongdaemun Plaza Kiosk
<b>6</b>	
0754	Gate House (PKW)
0758	Baneweld Centrum
0764	Baneweld Noord
0862	Gym Hall Nieuw Welgelegen
0868	Sportgebouw
0998	Pandora at Twiil Vredenburg

<b>4</b>	
0134	BOS Tin Tin Tower
<b>5</b>	
0636	Dongdaemun Plaza Kiosk
<b>6</b>	
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# IAOIZ Nedim Uysal Technical High School

IAOIZ, İZMİR

M artı D Mimarlık

## INFO

Technical and Industrial High School building is located on one of typical parcels of grid-planned İzmir Atatürk Organised Industrial Zone. Rectangular, introverted boxes placed on rectangular parcels define settlement characteristic of organised industrial zone. Monotonous character on third dimension is the result of introverted and uniform settlement of buildings located on a flat terrain. This industrial layout provides an introverted and an isolated life. Modern education vision requires interactive and motivating interior spaces. However, social and dynamic experience can't be provided in this zone.

As a result of restricted references of topography and urban layout, 2 design strategies are accepted for building to reflect its existence by contrasting with urban context. First of all, technical ateliers and social units are distributed to 5 blocks located around an atrium. Educational block is located at upper floors. Secondly, green topography is continued to differentiate public block and educational block.

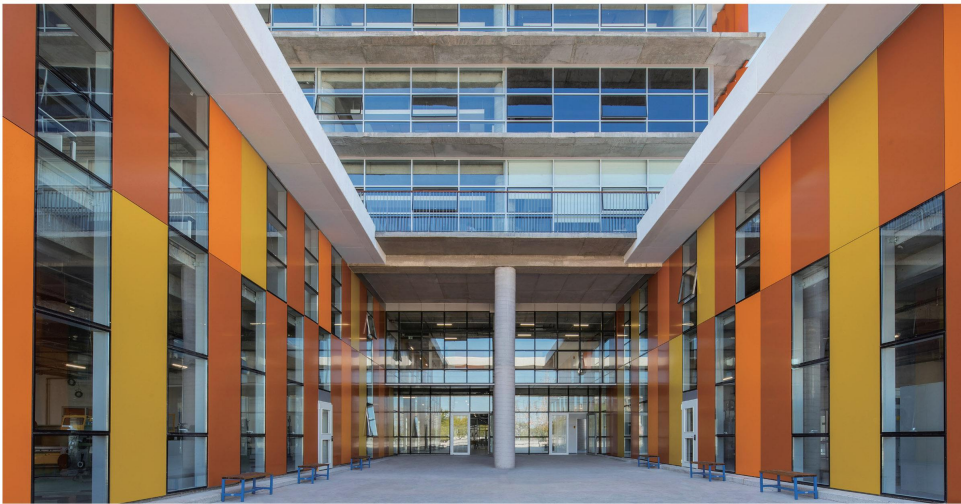
Building mass is composed of spaces surrounding a large atrium which provide dynamic interiors and continuous visual perception. Atrium, defined by permeable wall surface is

a public space, reflecting institutional identity. Spaces, arrayed on corridor surrounding the gallery are merged to it by niches containing different programs such as club rooms.

Niches with different properties between different blocks, enables interaction of exterior space with dynamic interior spaces. They have different identities due to different programs such as ceremony areas, entrance plazas, recess and sports areas.

A new level is created for providing a different contextual perception and for breaking monotonous layout of the context on third dimension. The new level where green landscape sustains, not only offers an alternative interaction spaces but also, creates a new horizon for users.

Building program is distributed to 5 floors. Large areas such as conference hall, sports hall, ateliers and socializing areas like canteen, dining hall are located on ground floor, 1. floor. Classrooms, administrative offices, teacher's lounges, library are located on 2., 3., 4. floors.

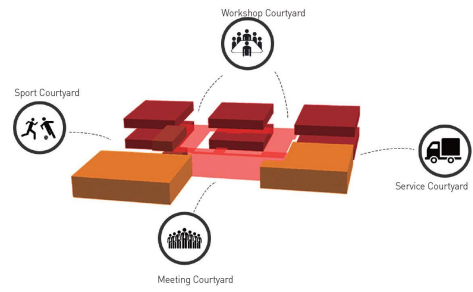




SITE ANALYSIS



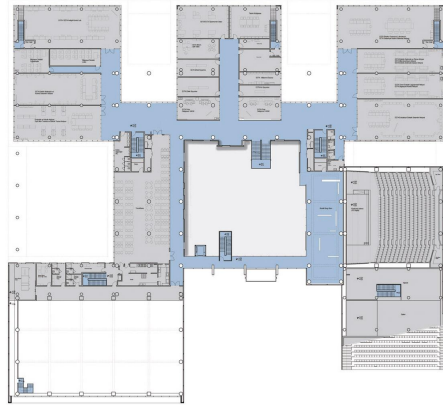
PROGRAM DIAGRAM



FLOOR PLAN



GROUND FLOOR



FIRST FLOOR

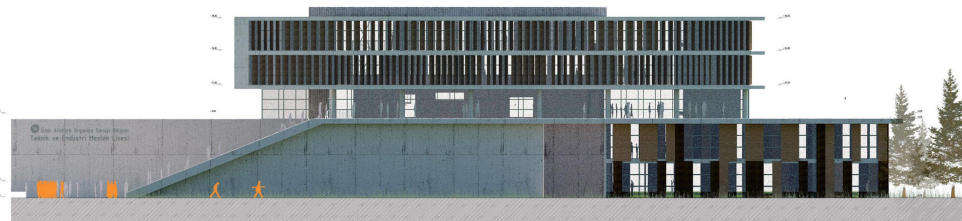
SECTION



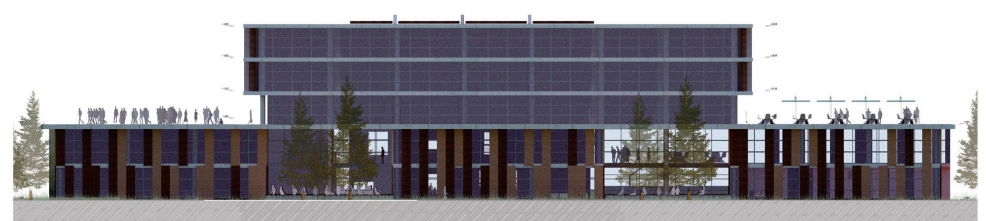




ELEVATION



EAST



NORTH



Name: IAOIZ Nedim Uysal Technical High School  
Date: 2012 - 2016  
Program: School  
Client: Izmir Atatürk Organize  
Industrial Zone Management  
Architectural Design: Metin Kılıç, Dürrin Süer  
Project Team: Merih Feza Yıldırım,  
Serdar Uslubaş, Ali Can Helvacıoğlu,  
Damla Duru, Gizem Yazıcı  
Consultant: Deniz Güner  
Statics Project: Cemal Coşak, Mustafa Şahin  
Mechanic Project: Ekrem Evren  
Electric Project: Namik Onmuş  
Photographer: ZMYASA Photography  
Location: IAOIZ, IZMIR





# Balıkesir Municipality Service Building

Balıkesir, Turkey  
Marti D Mimarlık

## INFO

Project is designed as an urban park for new city center located on a flat terrain on top of a sloping hill. The project area will develop as a highly populated residential and commercial district. Municipality building is designed to create an urban park. For this reason, it is embedded in topography.

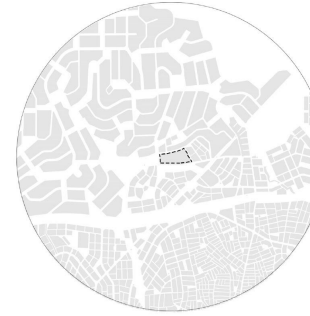
A pedestrian axis from south to north, passes through the building and ends with an observation deck. Main entrance, personnel entrance is places on this axis and two municipality blocks are located two sides of it. Administrative and municipality offices are placed in these blocks.

Another axis on east-west direction connects urban park at upper level, to the pedestrian axis between municipality blocks and designed as an amphitheater. This alternative axis is defined by another block. Social units such as conference hall, library, day-care center, cafe and parliament is located in it.



Name: Balıkesir Municipality Service Building  
Date: 2016  
Program: Urban  
Project Team: Metin Kılıç (Architect), Dürrin Süer (Architect), Demiz Güner (Architect), Ali Can Helvacıoğlu (Architect), Consultant: Cemal Coşak (Civil Engineer), İpek Kaştaş Uzun (Landscape Architect) Assistant: Gizem Yazıcı (Architect), Engin Yavuz (Architecture Student), Abdurrahman Çoban (Architecture Student), Diclehan Bekir (Architecture Student)  
Size area: 39,836m<sup>2</sup>  
Location: Balıkesir, Turkey

## SITE ANALYSIS



Existing City Fabric - Project Location

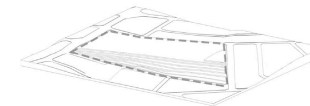


Existing Green Area and Roads



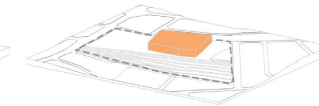
Proposal Green Area and Roads

## PROCESS DIAGRAM



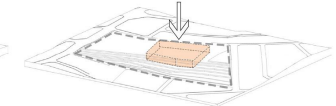
PHASE 1

Competition area which is located steep slope



PHASE 2

Massing strategy for programme



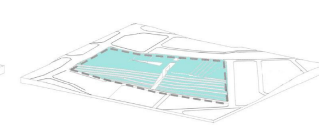
PHASE 3

Increasing public use by the way placing mass in underground



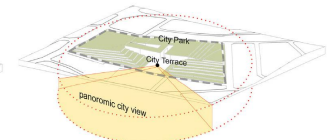
PHASE 4

To create an axis(street) which links residential area and park



PHASE 5

To create different public space in different levels

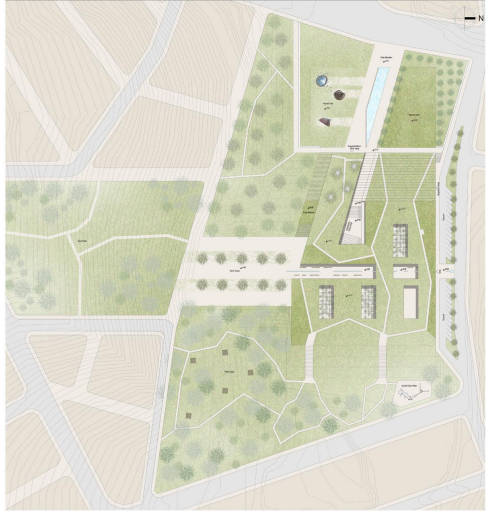


PHASE 6

City Park is placed on upper level of building and is created an axis which is overed City Terrace



SITE PLAN



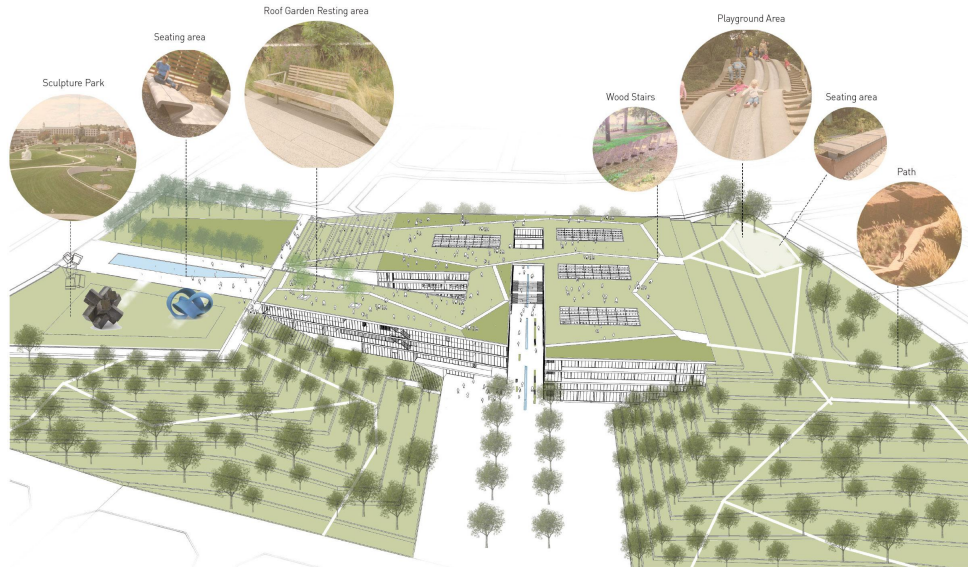
BIRD EYE-VIEW



SITE PLAN



Birch Judas tree Accacia Blue fescue Scented geranium Marshy Penisetum Ceratophyllum demersum



FLOOR PLAN



GROUND FLOOR

BASEMENT FLOOR



# Tasarım Koridorları İzmir, Turkey

Martı D Mimarlık

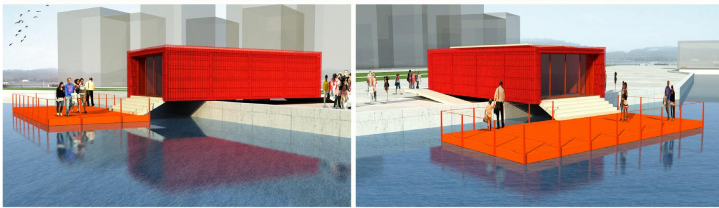
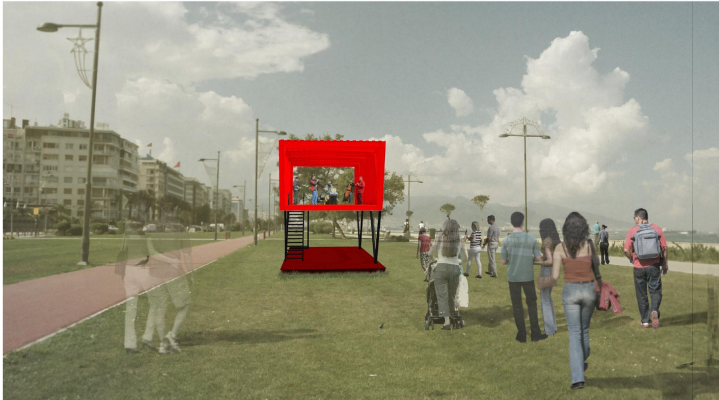
Name: Tasarım Koridorları  
 Date: 2014  
 Program: Installation  
 Project Team: Metin Kılıç (Architect)  
 Consultant: Dürrin Süer (Architect)  
 Assistants: Nur Kaplan (Architect),  
 Ali Can Helvacıoğlu (Architect),  
 Fulya Selçuk (Architect),  
 Günnur Yapıcı (Architecture Student)  
 Size area: 55m<sup>2</sup>  
 Location: İzmir, Turkey

## INFO

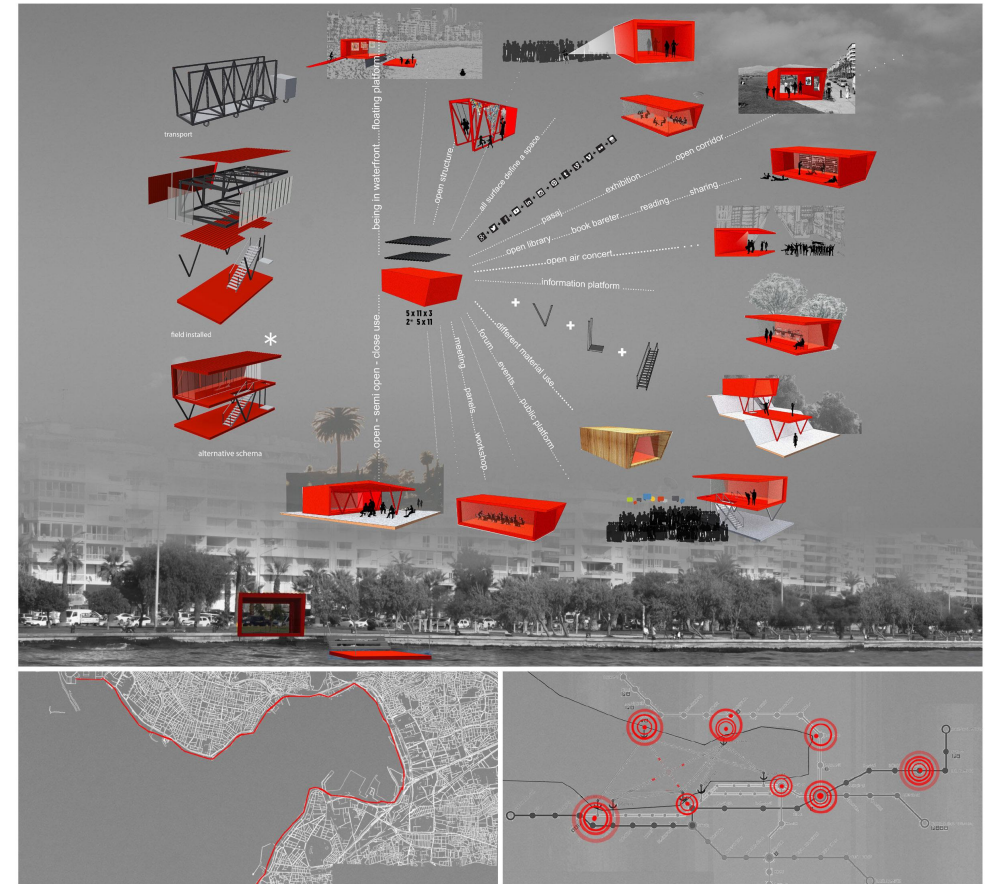
Gulf, geography, climate, social, cultural structure and high potential of İzmir provides various possibilities of use. 5X11x3m containers are designed to be flexible in order to respond demands and needs of location. It offers countless spaces to social life with its simple architectural language.

It can be placed to every location of city. As a result, interaction of users and qualities of actions, unexpected variations can derive. It can be used as seminar – meeting space, exhibition area, information space, library and more.

Several accessories such as, stairs, steel pilots, platforms can be mounted to this container to provide coherency to context, multi – purpose, characteristics of it.



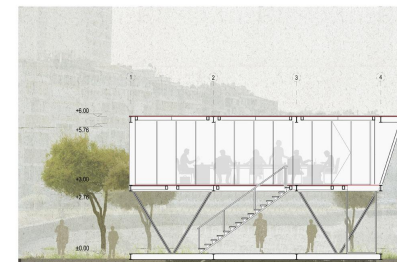
## PROCESS DIAGRAM



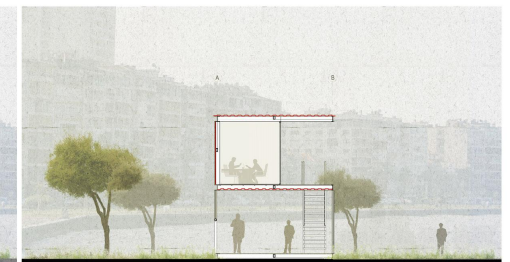
Körfez

Transportation axis and nodal points

## SECTION



SECTION AA



SECTION BB



# Caferağa Sport and Cultural Center Istanbul, Turkey

Marti D Mimarlık

## INFO

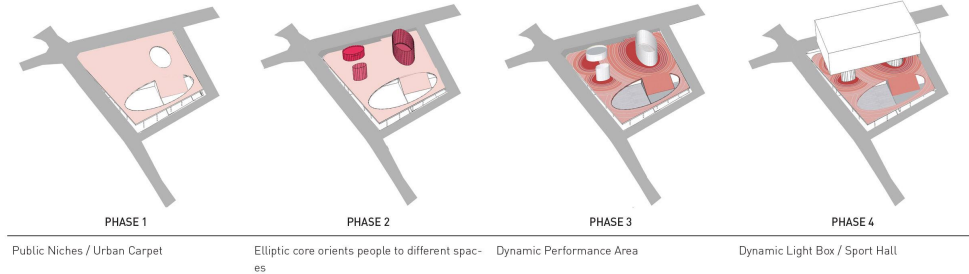
The project is designed to be an urban niche that serves as a breathing point for the district. It acts as a social focus that enables day – night use and various unexpected programs.

Landscape is designed as an urban carpet that connects different elevations on the site. It can be considered as a platform for meeting, enabling programmed actions, re-organising pedestrian flow while gathering urban furniture.

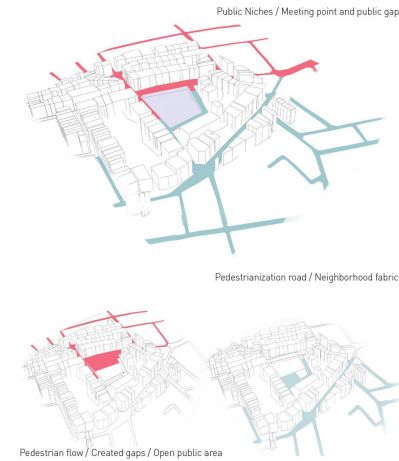
Basketball Arena is elevated to +8.00 elevation for enabling urban flow. It aims to be an attraction point. For demonstrating performative actions building mass is suspended on air as a dynamic light box.



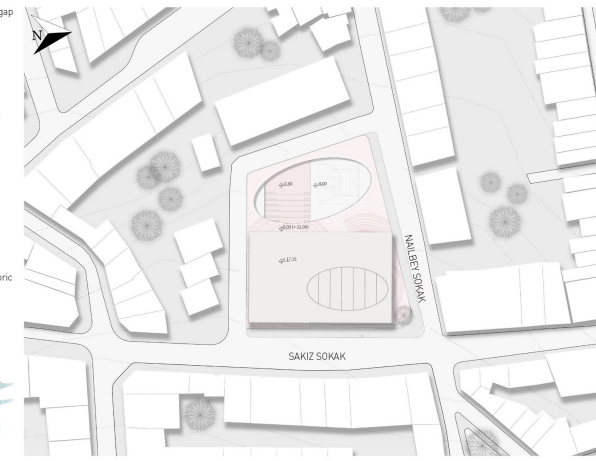
## PROCESS DIAGRAM



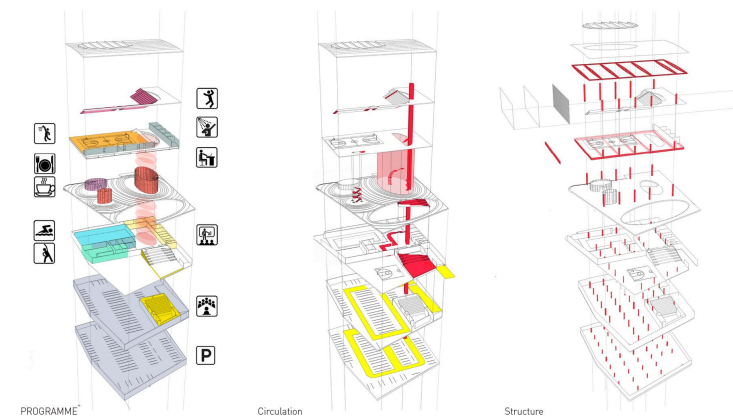
## SITE ANALYSIS



## SITE PLAN



## PROGRAM DIAGRAM



Name: Caferağa Sport and Cultural Center  
Date: 2016  
Program: Sports Center  
Project Team: Dürün Süer (Architect),  
Metin Kılıç (Architect),  
Deniz Güner (Architect),  
Ali Can Helvacıoğlu (Architect),  
Assistants: Gizem Yazıcı (Architect),  
Deniz Yıldırım (Architecture Student)  
Consultant: Cemal Coşak (Civil Engineer)  
Size area: 10,310m<sup>2</sup>  
Location: Istanbul, Turkey



# Adana Chamber of Commerce Adana, Turkey

M arti D Mimarlık

Name: Adana Chamber of Commerce  
 Date: 2014  
 Program: Urban Space  
 Architectural Design: Metin Kılıç (Architect),  
 Dürrin Süer (Architect)  
 Project Team: Nur Kaplan (Architect),  
 Fulya Selçuk (Architect),  
 Burak Coşkun (Architecture Student),  
 Dilan Erdoğan (Architecture Student)  
 Consultant: Deniz Güner (Architect)  
 Size area: 9.879m<sup>2</sup>  
 Location: Adana, Turkey

## INFO

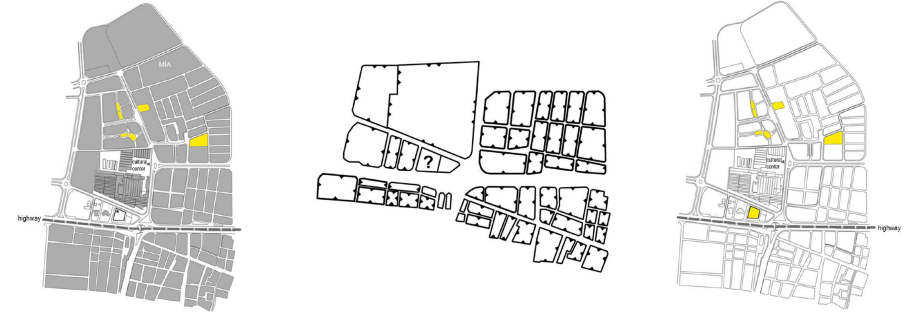
A.C.C. Building is located on a site which is surrounded with low-quality buildings. For this reason, introverted planning is preferred due to isolating building from the context and focusing to vivid interior space and courtyard. It has a compact, elevated form in order to increase contrast between interior space and context.

Urban spaces such as cafe, conference hall, are located at lower floors and offices are located on upper floors. Amount of transparent surfaces decrease at upper levels for differentiating urban levels and private levels.

The project area has hot and arid climate. For this reason, brick is used for facade material in order to taking advantage of high thermal mass. Pools are used at courtyard for increasing humidity. Glass facades are highly used at facades facing to courtyards while, low amount of them are used at exterior facades for stopping excessive heating.



## SITE ANALYSIS



Proposal of new master plan - patio of solid void

Self - Enclosed feature of plots in the zone

Proposal public gap

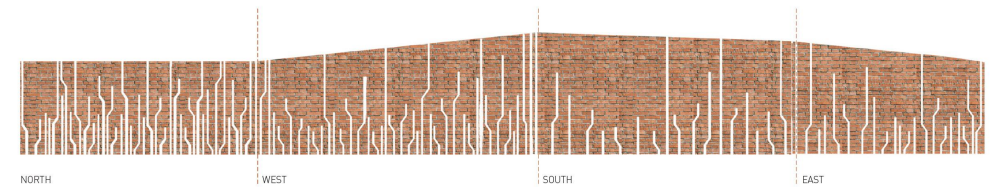


To create center of attraction by melting boundaries

mass is isolated from its context at upper levels for increasing privacy

To revive tectonic memory in the zone

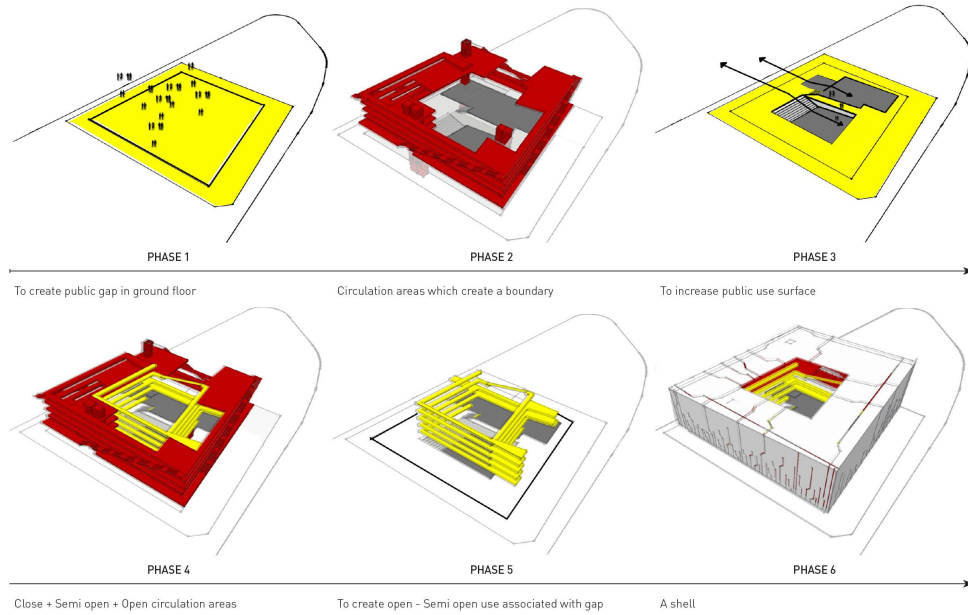
## ELEVATION DIAGRAM



Cracks are formed by different directions in the shell



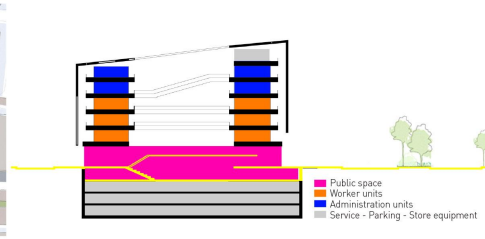
PROCESS DIAGRAM



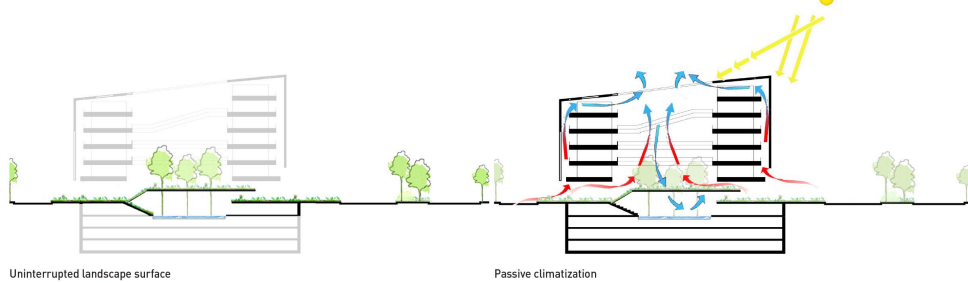
SITE PLAN



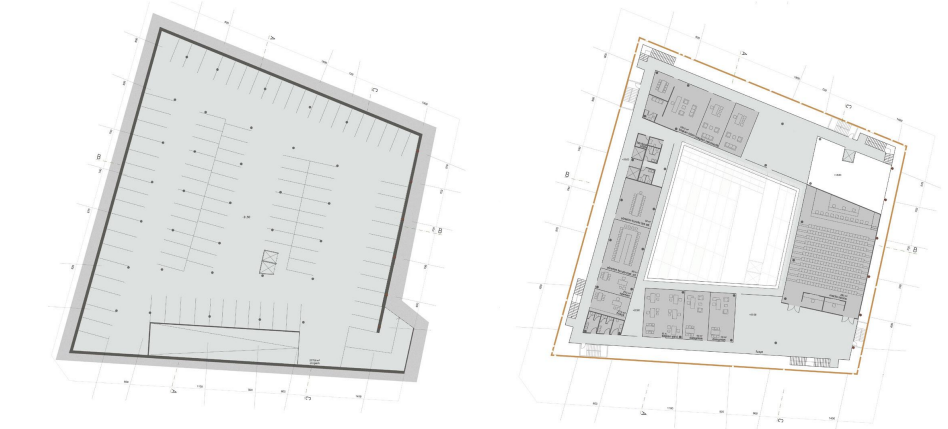
BUILDING PROGRAM



BUILDING DIAGRAM



FLOOR PLAN



BASEMENT FLOOR

+22.00 FLOOR PLAN

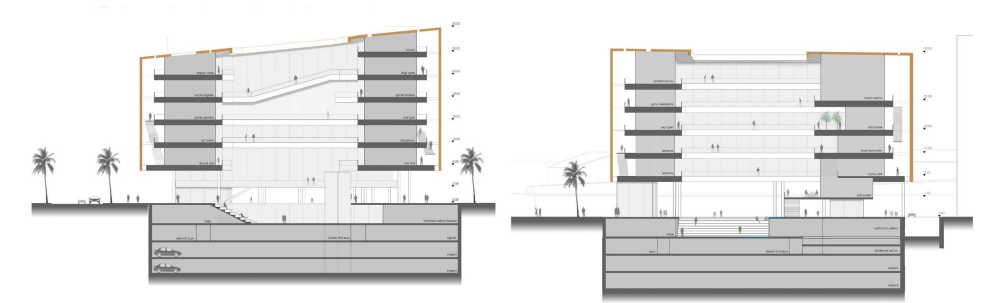
ELEVATION



NORTH

SOUTH

SECTION



SECTION AA

SECTION BB