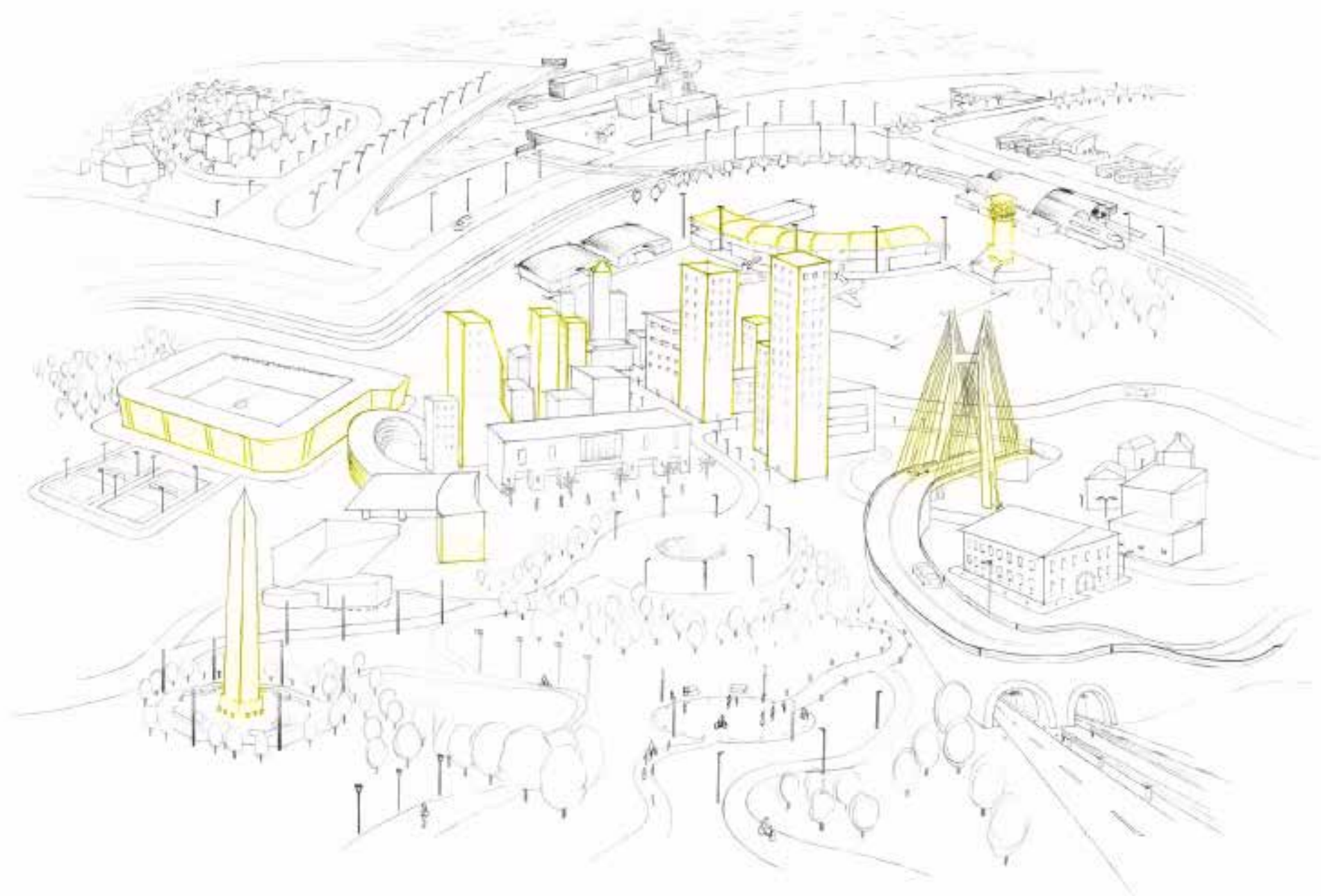


# ARCHITECTURAL & LANDSCAPE LIGHTING REFERENCE PROJECT CATALOG

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## About Us

SAH GROUP has been investing in outdoor lighting and sports field lighting technologies for more than 16 years and offers turnkey solutions to its customers.

Since its establishment, the company has been involved in the street lighting, parking lots, sports fields, shopping malls, hotels, ports and many industrial areas.

Not only as product sales, but also with on-site solutions and contracting services, SAH GROUP has offered solutions based on customer satisfaction.

Our company also offers its customers steel construction and steel pole services at the highest standards.

### Our Group Companies

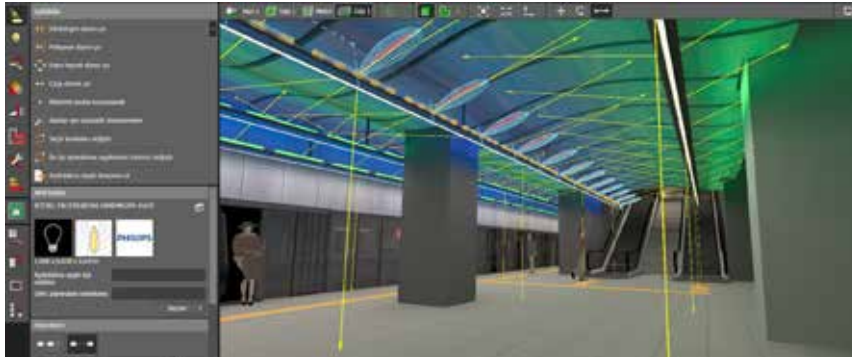








# SERVICES



## 01

### PLANING AND PROJECT DESIGN

Our expert project team works hand-in-hand with customers to find the best lighting solution. By designing projects in accordance with the relevant application rules and standards, we reach optimum solutions in lighting design.

## 02

### INSTALLATION - ASSEMBLY

Our experienced field team can provide safe and trustworthy installation support for luminaire assembly, assembly ontrivance and portal access. In addition, regardless of the type of facade or roof, we develop solutions and carry them into effect.

## 03

### SUPPORT

We, as SAH GROUP, provide support at every step of the targeting with floodlights, precise angle adjustment, lighting level measurements during the commissioning process.



# ARCHITECTURAL LIGHTING TECHNIQUES

## FLOODLIGHT AND WALLWASHING

01

### FLOODLIGHT AND WALLWASHING

Floodlights are fixtures that spread wide lightbeams. It is the best solution to irradiate high and wide spaces.

Wall washing can be used to illuminate the complete building surface as well as can be applied to highlight only certain areas such as columns or balconies in order to reveal the building's architecture.

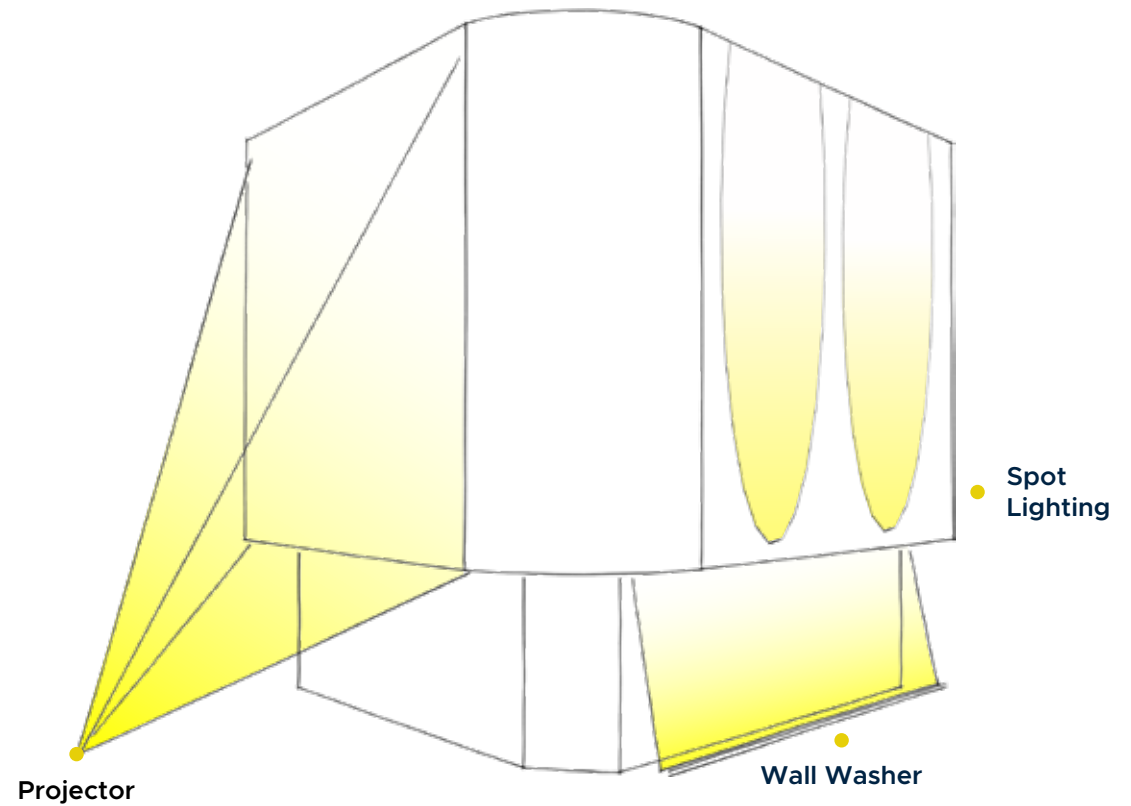
Flood Light



Wall Grazing



Spot Light



# APPLICATIONS



# ARCHITECTURAL LIGHTING TECHNIQUES

## DETERMINING OF THE DETAILS

### 02

#### DETERMINING OF THE DETAILS

It is applied to emphasize important elements on the building face, artistic elements, interesting architectural formations and special areas that are desired to be brighter than the surroundings. Although this lighting technique is similar to general lighting structure, the details that are desired to be highlighted in the structure are emphasized by using devices with low power. Selective highlighting on a building face can be in the form of static or dynamic lighting.

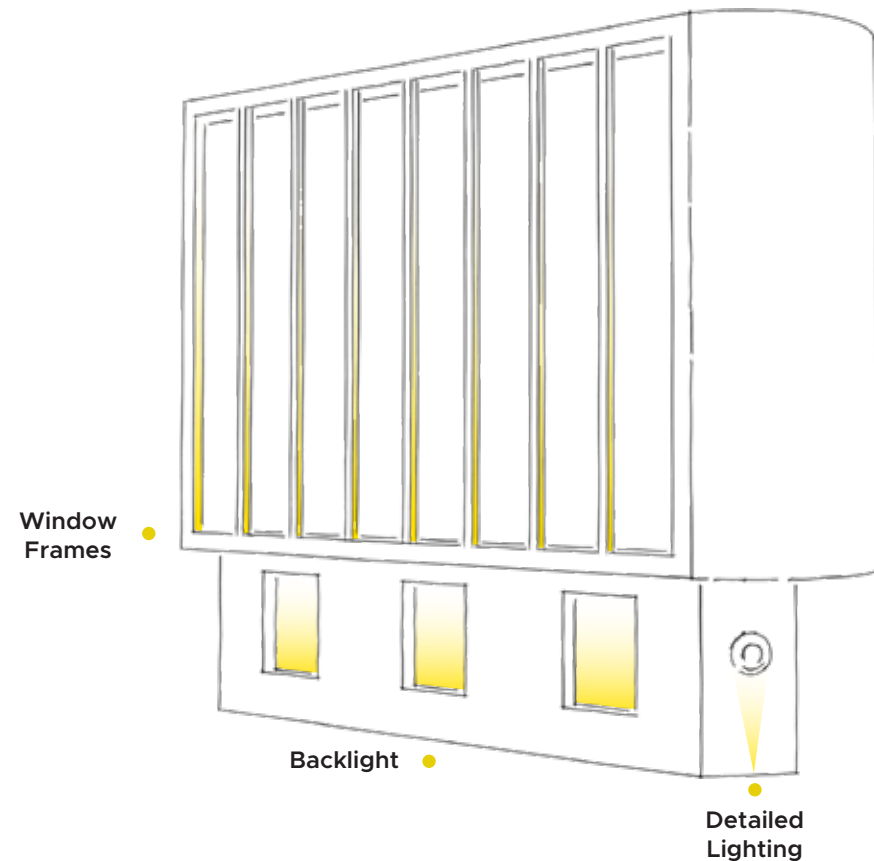
Window Framing



Backlight

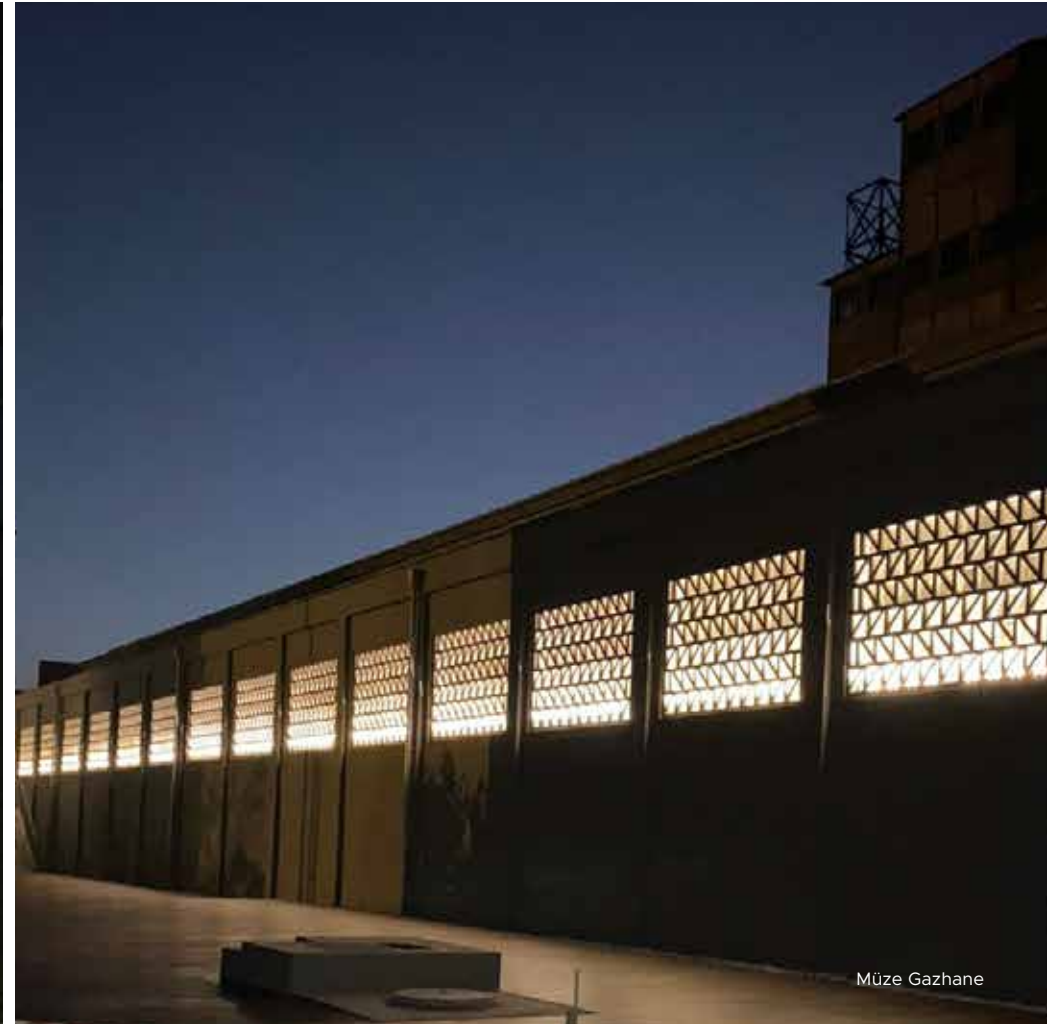


Accentuation





## APPLICATIONS



# ARCHITECTURAL LIGHTING TECHNIQUES

## DIRECT VIEW

### 03

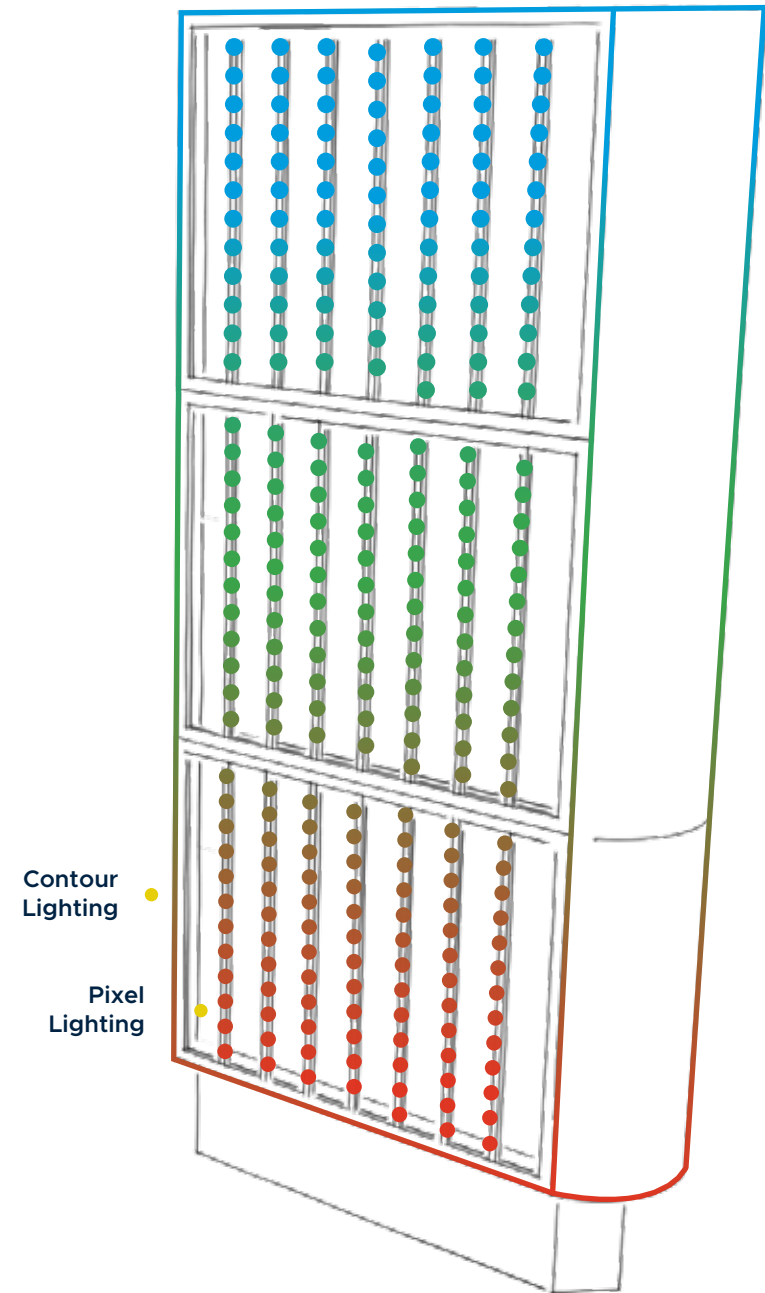
#### DIRECT VIEW

These are applications made in such a way that the light source is directly visible to the human eye. It is usually designed using linear or Pixel (Dot) type products. Media Facade applications are large-sized, animated, on building surfaces, point-controlled and is for advertising and light show applications. With pixel-based control, building surfaces can be transformed into LED screens. As it can be used by revealing the building architecture, it can also create only a screen perception by making the building architecture invisible in many applications. In the contour lighting technique, the outline of the structure is simplified and indicated using a thin line of light. The purpose of this lighting technique is not to illuminate the surfaces, but to make the illuminated lighting devices themselves visible. Complex dynamic images and color changes can be created with LED devices that enter directly into the observer's field of vision. Since the aim is to clarify the geometry of the structure and reveal its architectural lines, lighting devices are directly positioned on the facade of the structure.

Direct View  
Pixel Product



Direct View  
Linear Product



# APPLICATIONS





Antalya Expo Tower



Edirne Tunca Bridge

## OUR BUSINESS PARTNERS

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 **signify**

**PHILIPS**  
 **COLOR  
KINETICS**

**THORN**

**acdc<sup>®</sup>**

**GEWISS**

zumtobel group

**IŞIN**  daylight<sup>®</sup>











**OUR PROJECTS**





## Tunca and Meric Bridges

Edirne - Turkey

In Edirne, known as the city of bridges, the architectural lighting of the TUNCA and MERİC bridges, each of which is a work of art, was made by our company. In the project, the installation of products and equipment was carried out by hanging-stretching method with 316L stainless and lead plates without using any screws and similar materials in a way not to damage the historical texture. Project is published in many magazines and social media sites.





## Historical Kadıkoy Gas House

Istanbul - Turkey

Hasanpasa Gas House, which started to serve in 1891 as the second gas house of the Anatolian side and the last gas house of Istanbul, has provided the lighting and fuel necessity of the city for 101 years. Istanbul Metropolitan Municipality reopened it as a Cultural Complex and Energy Museum. The facility's interior, landscape and architectural lighting was done by our company and in addition project design merchandising of the products were made by our company.







## Metropol Istanbul

Istanbul - Turkey

Metropol Istanbul is Turkey's largest mixed-use project consisting of offices, residences and shopping centers. LED screen application has been made on the 300 meter high A-Block tower's facade, which can be seen from many parts of the city. On this facade, which has 30,000 pixels, animations and videos can be played with the Madrix control system. Philips Color Kinetics products were used in the project. The installation of the products was carried out by the personnel who could access the façade with the help of rope. The antenna posts on the roof of the A-Block are illuminated by the Philips Color Kinetics product family of ColorReach products.





ACIBADEM

## Acibadem Hospital and Office Project

Istanbul - Turkey

In Ataşehir Hospital and Office Project, which has a closed area of 95.000 m<sup>2</sup>, one of the high blocks serves as a hospital and the other as an office block. The façade lighting, product supply and product assembly of the project were made by our company.







## Amahoro Stadium

Kigali - Rwanda

We have successfully completed the lighting system on the facade of the Amahoro Stadium. In this project, the engineering strength of Sah Group combined with the quality lighting solutions of Philips to add an elegant and modern lighting touch to the facade of the Amahoro Stadium. The night view of the stadium has become not only functional but also visually impressive.





## Erbil Media City

Irak - Erbil

The Erbil Media City project, one of the most iconic buildings in Erbil, Iraq, manifests itself at night with endless lighting scenarios. Philips Uni series product was used within the scope of the project. 3000 RGB wallwasher are placed in the panels on the façade. The edge columns are illuminated by powerful UniFlood RGB projectors.



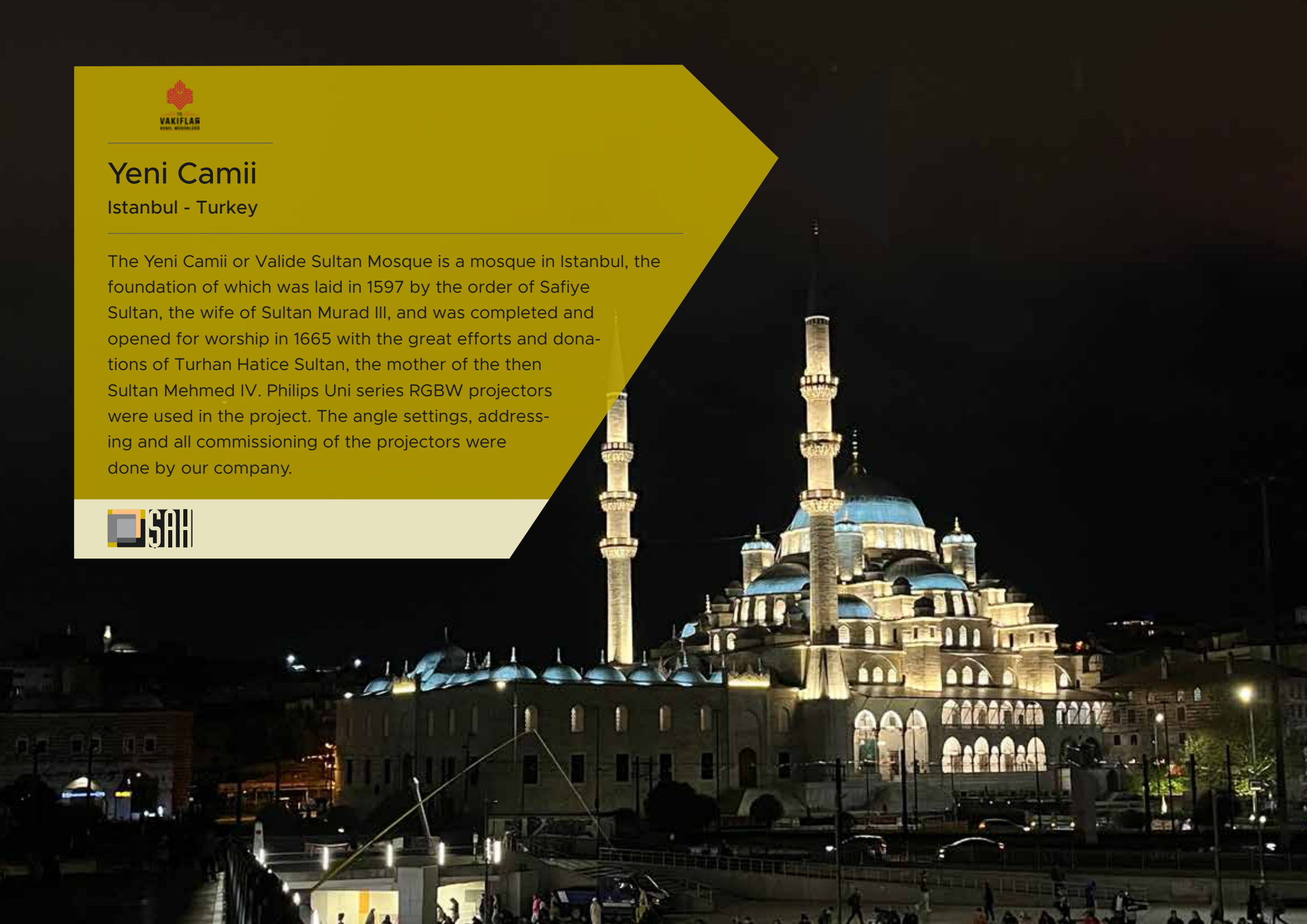




## Yeni Camii

Istanbul - Turkey

The Yeni Camii or Valide Sultan Mosque is a mosque in Istanbul, the foundation of which was laid in 1597 by the order of Safiye Sultan, the wife of Sultan Murad III, and was completed and opened for worship in 1665 with the great efforts and donations of Turhan Hatice Sultan, the mother of the then Sultan Mehmed IV. Philips Uni series RGBW projectors were used in the project. The angle settings, addressing and all commissioning of the projectors were done by our company.









## Stade du Senegal

Dakar - Senegal

It is the largest sports complex in the country in Dakar, the capital of Senegal, at UEFA standards, with a capacity of 50 thousand spectators. Philips Uni series RGB projectors were used within the scope of the project. The angle adjustments, addressing and all commissioning of the projectors have been done by our company.





## Sarıyer Square

Istanbul - Turkey

It is an important project realized by Sah Group. Such projects are usually carried out to make an aesthetic contribution to cities, increase security and landscaping. The square lighting project in Sarıyer, one of the most important districts of Istanbul, aims to provide a visually enriching and functional solution, especially in the evening hours.







## Mecidiyeköy Square

Istanbul - Turkey

It is a major project realized by Sah Group and is part of the urban regeneration works in Mecidiyeköy, one of the busiest and central areas of Istanbul. The project offers a series of innovative solutions aimed at improving the area's traffic patterns, modernizing the landscaping and aesthetically enhancing the visual appeal.





T.C. KÜLTÜR VE TURİZM  
BAKANLIĞI

## Canakkale Dur Yolcu Monument

Eceabat - Canakkale

The "Dur Yolcu" monument, which is one of the most important symbols of Çanakkale and located on the ridges of Kilitbahir Village of Eceabat district, expresses to the passengers who are in the ships passing through the Dardanelles Strait and those who come to the region are in the location where an era has sunk. As SAH Group, we are honored to be able to work in the renewal of the lighting of the "Dur Yolcu" monument .



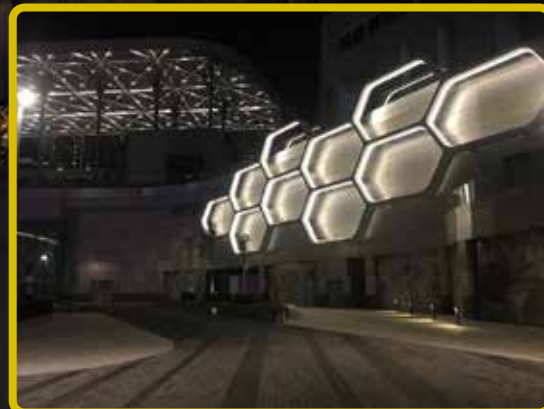




## Metropol Istanbul Shopping Mall

Istanbul - Turkey

Metropol Istanbul Shopping Mall, which is unrivaled in terms of the size and open spaces of the area where it is installed, has been made intelligent white dynamic lighting by using Philips products in the decorative honeycomb-shaped structures surrounding its facades.







## Historical Beykoz Barracks

Beykoz - Istanbul

One of the most important historical buildings of Beykoz, built at the beginning of the 19th century and currently allocated to the Foundation University, is among the important historical buildings of Istanbul. Landscape lighting and architectural façade lighting, project design and merchandising were made by our company.





# Sveti Stefan Church

Fatih - Istanbul

Sveti Stefan Church, also known as the Steel Church, is a church in Fatih, Istanbul, located on the shores of the Golden Horn between the districts of Balat and Fener, and attached to the Bulgarian Exarchy. Built on October 25, 1859, the church was reopened in 2018 after seven years of restoration. Architectural façade lighting, project design and merchandising were made by our company.





## Umraniye Clock Tower

Istanbul - Turkey

The Umraniye Clock Tower, which was designed with inspiration from Ottoman architecture and built with natural stone on a steel construction carrier system, has become the symbol of the region. Within the scope of the project, the design of the clock tower's environmental lighting and tower RGB lighting, installation and commissioning were made by our company.



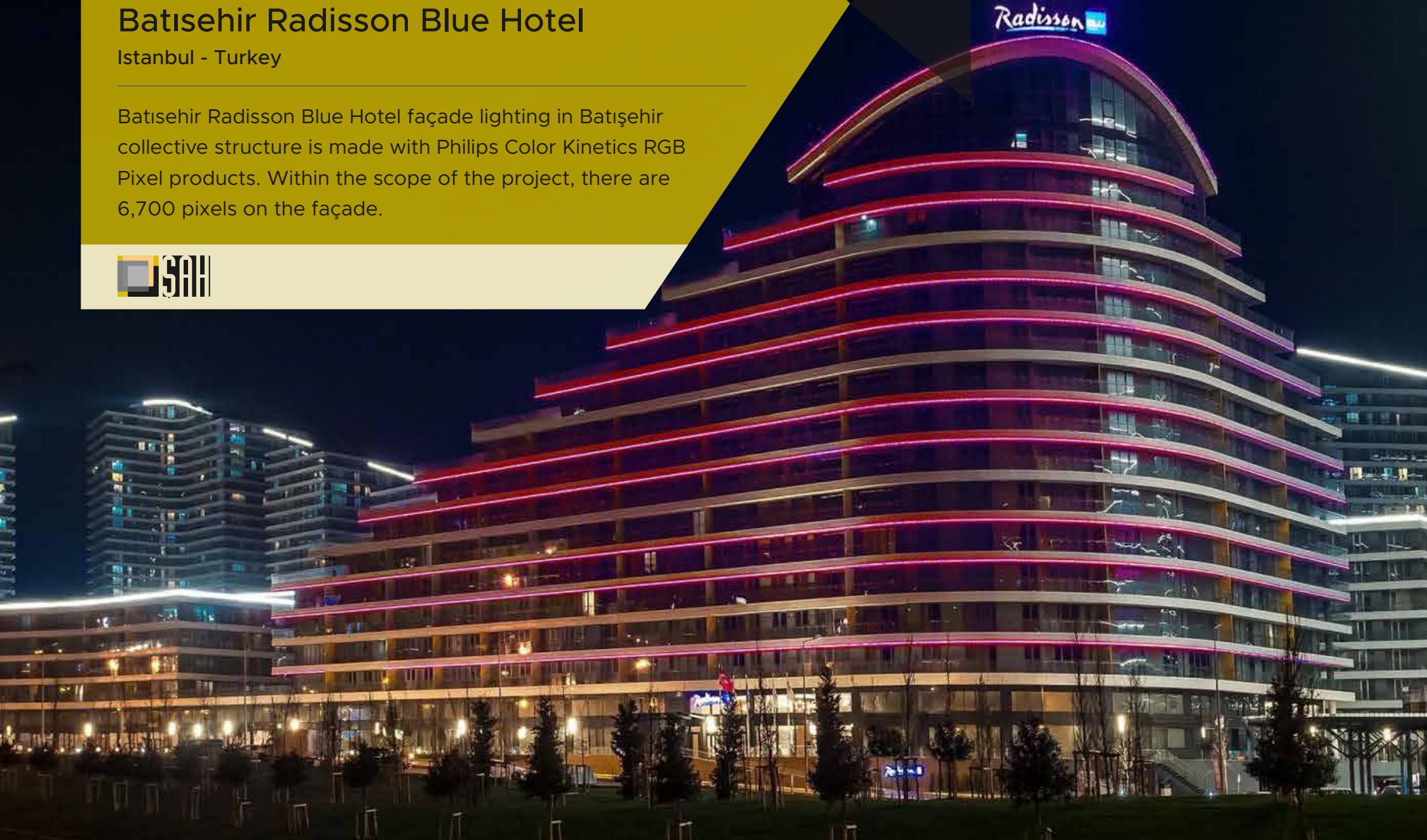




## Batısehir Radisson Blue Hotel

Istanbul - Turkey

Batısehir Radisson Blue Hotel façade lighting in Batısehir collective structure is made with Philips Color Kinetics RGB Pixel products. Within the scope of the project, there are 6,700 pixels on the façade.







## Etiler Odeabank

Istanbul - Turkey

With its important location on Etiler Nispetiye Street and the remarkable nature of its architecture, it is the most remarkable branch among the Odeabank branches and has an advertising face. Screen application was made with 13500 pixels placed on the decorative pillars surrounding the façade. Philips Color Kinetics family LMX product was used in the project.







## Expo Tower Antalya - 2016

Antalya - Turkey

The tower, called Turkey's Eiffel, was inspired by the Hadrian Gate and the palm trees that are the symbol of Antalya. The entire automation system was commissioned by our company by using Philips Color Kinetics family products for lighting towers and roofs.





## Nurol Life

Istanbul – Turkey

The lighting of the pyramid-shaped structure on the roof of the Nurol life building built in Seyrantepe next to the Ali Samiyen Sports Complex in Istanbul was made with RGB pixel led from Philips Color Kinetics family products.







## Balıkesir Camlık Hill

Balıkesir – Turkey

The social facility project, which was built by the Balıkesir Metropolitan Municipality on a hill overlooking the city, attracted attention with the lighting of the crescent minaret mosque and the vav integrated with red and white colors, was completed. Philips brand products were used within the scope of the project and the commissioning process was carried out by our company.



# OUR REFERENCES

Eminonu - New Mosque

Uskudar Mimar Sinan Bazaar

Foundation Participation Adana Ataturk Street Branch

Bagcilar Square Monument

Marmaris Elite Word Hotel

Iraq International Bank Vidiwall - Iraq

Forum Kayseri Square Sculpture

Antalya The Land of Legends Kingdom Hotel

T.R. Edirne Governorate

**More than 50 Completed Projects...**







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