



# Highlights of Project References

03.09.2020





# Fenerbahçe Şükrü Saraçoğlu Stadium

## Lightning Protection System

02/07/2020





# **Ciner group Largest Heavy Soda Ash and Sodium Bicarbonate Production Mine**

## **Lightning Protection System**

28/05/2020



# aselsan

**Aselsan Headquarters**

Raycap heavy surge arrester system.

17/05/2020

A photograph of a large, modern industrial building with a grey corrugated metal facade. The building is viewed from a low angle, looking up. The sky is clear blue. On the roofline, there are large, dark, three-dimensional letters spelling 'B/S/H/'. To the right of this, there is a smaller sign with the Siemens logo and the word 'SIEMENS' in green. Below the main letters, there is a line of smaller text in German: 'Klassische Werte des Handwerks'. The building has several windows visible at the base.

**B/S/H/**

**B/S/H GROUP**

The largest manufacturer of home appliances in Europe

Lightning Protection System IEC 62305

14/11/2019





# **CINGILLI Project**

The largest licensed SPP project in Turkey  
with 36.4 MWp Power

Grounding and Lighting Protection System

23/10/2019

The background image shows the New ERCAN Airport terminal building, a large structure with a glass facade, during sunset. The sky is a mix of orange, red, and purple. In the foreground, there are some structural elements of the building and a bright light source, likely the setting sun, creating a strong glow.

# **New ERCAN Airport**

The primary civilian airport of Northern Cyprus

Lightning Protection System BS EN/IEC 62305 Standard

13/10/2019

The background of the slide is a photograph of a news studio. A large curved wall displays a vibrant green and blue globe. To the right, the text 'TRT WORLD' is in a small black box above the word 'News' in large white letters. In the center, a news anchor in a red jacket is seated at a desk. In the foreground, the silhouette of a person operating a camera is visible on the left.

# TRT WORLD Building

Lightning Protection System - IEC 62305

28/01/2019



The logo of Tübitak, featuring a stylized sun or star symbol with concentric circles and a central red circle, set against a dark red background.

## **Tübitak Systems Raycap Strikesorb Series**

Strikesorb Lightning and Sudden Overvoltage protection modules are preferred by Tübitak and integrated into their systems (unlimited number of strikes protection, 20 years warranty)

17/06/2018

# **TÜBİTAK**



A photograph of a HAWK missile mounted on a launcher. The missile is green and has a long, pointed nose. It is mounted on a launcher that is part of a larger system. In the background, there is a large radar dome and some buildings. The sky is blue with some clouds.

# **TSK HAWK MISSILE RADAR SYSTEMS PROJECT**

The security of SMH series sensitive protection surge arresters & Radar Systems of HAWK Missiles

22/11/2017





# **5.7 MW Solar Power Plant Project in Jordan**

Grounding and Lightning Protection System  
IEC 62305 Standards

17/11/2017





# **Elbistan 44 Mw Solar Power Plant**

Grounding and Lighting Protection System  
IEC 62305 Standards

17/11/2017





# **EnerjiSa Kayseri and Mersin SPP Facilities**

Grounding and Lightning Protection System  
IEC 62305 Standards

20/05/2017



An aerial photograph of the Istanbul Airport (Istanbul Atatürk Airport) at sunset. The sun is a large, bright orange orb in the upper left, casting a warm glow over the entire scene. The sky is filled with soft, orange and yellow clouds. Below the horizon, the airport's extensive terminal building, runways, and taxiways are visible, illuminated by the low sun. Several aircraft are parked at gates or on the tarmac. The overall atmosphere is serene and majestic.

# **Istanbul Airport THY Buildings**

Turkish Airlines' buildings in the Istanbul Airport project, which is one of its biggest investments in the country

Lightning Protection System - IEC 62305

20/05/2017

The image shows the exterior of the Garanti Bank Headquarters. A large, white, three-dimensional sign is mounted on the building's facade. On the left side of the sign is a green logo consisting of five leaves arranged in a fan shape. To the right of the logo, the word "Garanti" is written in a large, bold, sans-serif font. The sign is set against a background of a modern building with large glass windows. In one of the windows, the word "CANKURT" is visible. A semi-transparent dark grey rectangular box is overlaid on the center of the image, containing white text.

# **Garanti Bank Headquarters**

Protected by D grade surge arrestors

20/05/2017





# **Izmit Water Treatment Plant**

**Protected by class D type 3 surge arresters.**

26/08/2016





# **Acipayam Solar Energy Plant**

4 MWp solar power plant realized in Acipayam

Lighting Protection System

09/08/2016



An aerial photograph of the Kumport port in Turkey. The image shows a large container yard filled with numerous colorful shipping containers (blue, red, yellow, and white) stacked in neat rows. Several large gantry cranes are positioned along the quay, ready for loading and unloading cargo from ships. The port is situated on a waterfront, with a body of water visible on the right side of the frame. In the background, there are some green hills and a road. The overall scene depicts a busy and well-organized port facility.

# **Kumport port operations**

Kumport, one of the biggest port enterprises of Turkey

Main panel, secondary panel and all sensitive systems are protected by network surge arresters in accordance with IEC 62305 within the scope of gradual protection

17/05/2016



# Skyland İstanbul Skyscrapers

These two skyscrapers are the tallest buildings in Istanbul  
Network surge arrester system design and the external lightning  
protection system design IEC 62305 standard.

14/04/2016







# Samsun Airport

Gradual protection was made and all sensitive systems, secondary panels and main panels were protected with network surge arresters

06/04/2016

# **Balabanlı WPP**

Balabanlı Wind Power Plant in Tekirdağ, With 61,40 MW installed power

Lightining Protection and Surge Arresters

12/03/2016



The background image shows a busy port scene. Large red gantry cranes with white and red striped safety markings are visible. In the foreground, the dark blue hull of a container ship is partially visible, with the name 'MSC MARIA PIA' and the 'MSC' logo. The ship is loaded with colorful shipping containers. The sky is overcast.

# YILPORT Port

Lightning Protection and Surge Arresters

18/02/2016



# Kayseri Şeker and Altunges Solar Power Plants

Lightning Protection System

24/12/2015



The background of the slide features a large, stylized red flame or fireburst shape. Overlaid on this is a large, semi-transparent grey shield-like shape. Inside the grey shape, the letters 'TP' are written in a large, bold, white font. The text of the slide is also in white, providing high contrast against the grey background.

**TP**

Turkey Petroleum Gas Storage Facility

According to the Rolling Sphere Method, a Protection Area has been created within the scope of IEC 62305 standards, and insulated landing systems with passive catch nozzles have been used

06/12/2015



**Bayer**

# **Bayer Pharmaceutical Factory**

Lightning Protection System - IEC 62305

23/11/2015





# VENEZIA Project

Venezia shopping and living centers

Lightning Protection and Surge Arrester System

21/09/2015



An aerial photograph of the Sabanci University campus, showing various academic buildings, green spaces, and a large circular road in the foreground. The text is overlaid on a semi-transparent dark grey rectangle.

# Sabanci University

## Sabanci University Enerjisa Rooftop Solar Power Plant

The system, which can be considered as an example for rooftop projects, was designed according to the rolling sphere method, and the capture ends were integrated with the mesh method on the roof and the protection angles were calculated. The system was protected with resistors below 1ohm.

18/09/2015





# **Kayseri OSB Solar Power Plant**

9MW Solar Power Plant Project in KAYSERİ OSB

Grounding and Lighting Protection System  
IEC 62305 Standards

20/08/2015





# **Entar Enerji Solar Power Plant / Kayseri**

7 MW Solar Power Plant Project in KAYSERİ

Grounding and Lighting Protection System  
IEC 62305 Standards

06/08/2015



# **Entar Enerji Solar Power Plant / Kayseri**

7 MW Solar Power Plant Project in KAYSERİ

Turkey's largest tanker ship fuel oil & gas loading and unloading port electrical infrastructure in excess of 2 km over sea.

Yilkomer has provided Lightning Protection and Surge Arrester Systems and also provides consultancy in the grounding project of the same project, has successfully completed the Surge Arrester installation project

06/08/2015



An aerial photograph of the Ekinler Solar Energy Project. The image shows a large industrial building with a flat roof covered in solar panels. The building has a sign that reads "KİTİCİ SİGORTA". To the right of the main building, there is a smaller structure with a "SAMSON" logo. The surrounding area includes a dirt road, some greenery, and other buildings in the background. The sky is overcast.

# Ekinler Solar Energy Project

Energy Solution company to be in the number 10 in Turkish Solar Market.

Ekinler Solar Project is protected from sudden overvoltage and lightning with Citel surge arresters systems. In DC Combinerboxes, the system is protected against sudden overvoltage and lightning strikes with VG technology products specially selected for the system

06/06/2015



# **SANKO Wind Turbines**

SANKO HOLDING Wind Energy Systems covering  
different places in Turkey

Lightning Protection System

30/05/2015



# Masa Energy Burdur

The biggest GES project in our in 2014 in Turkey  
with power of 5 MW

Grounding and Lighting Protection System

01/04/2014



# Hasanbeyli / Silivri Wind Power Plants

01/04/2014

The turbines were constantly falling into failure as a result of sudden overvoltage and lightning strikes. As a result of the exploration and evaluation of the situation, the following measures were suggested in the light of the system scheme. If we sort our analysis into items;

- 1- A B + C class product that is activated at 25 ns in the Energy-Control panel inside the turbine was proposed.
- 2- RES surge arresters operating at 440/690 volts, specially produced for phases against impacts that may come from the network and ground line at the transformer point, were proposed. One of these products should be used for each phase.
- 3- 24 V sensitive class D protection on data lines was carried out bidirectionally.
- 4- A single-phase B + C class single-phase product has been used at the energy point just behind the card cover against the burnout of the rectifiers.
- 5- B + C class coordinated products with 100 ka protection capacity were used in the rectifiers.
- 6- Spark gap dampers and equipotential products were used in turbine body connections and turbine, kiosk, fence, transformer equipotential connections. This product dampens the 100 karat impact where it sees along the turbine.





# Uzundere Hydroelectric Power Plant

01/04/2014

4 different regions that make up the facility and 120 active systems in total are taken under protection. Often lightning-induced malfunctions occurred in the sensors that transmit data from the pools and water loading points to the center, the covers were malfunctioning, the cameras were out of order and the UPS system was constantly failing. Due to the sudden overvoltage strikes in the Rize region, there were constant difficulties at the point of sustainable energy production. As a result of the analysis and exploration work carried out by our expert teams, all power lines at 120 different points in B-C and D classes were protected in the light of the automation-PLC system IEC 62305 Standard.