YILKOMER

LIGHTNING PROTECTION CENTER

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 Headquarters

Raycap heavy surge arrester system.

17/05/2020

B/S/H GROUP

The largest manufacturer of home appilances 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

New ERCAN Airport

The primary civilian airport of Northern Cyprus

Lightning Protection System BS EN/IEC 62305 Standard

13/10/2019

TRT WORLD Building

Lightning Protection System - IEC 62305

28/01/2019

Tubitak 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

TSK HAWK MISSILE RADAR SYSTEMS PROJECT

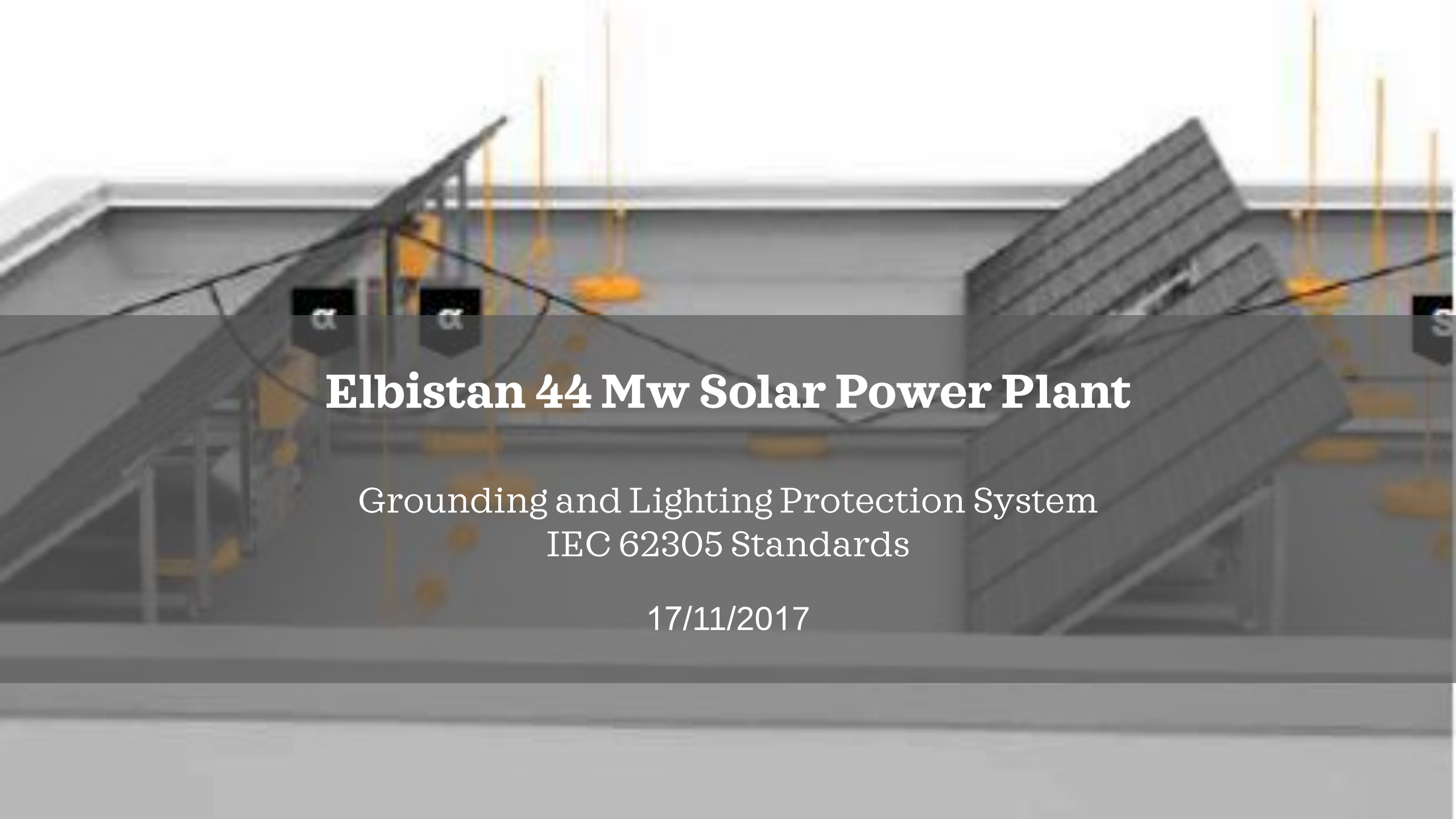
The security of SMH series sensitive protection surge arresters & Radar Systems of HAWK Missiles

22/11/2017

5.7 MW Solar Power Plant Project in Jordan

Grounding and Lighting 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 Lighting Protection System
IEC 62305 Standards

20/05/2017

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

Garanti Bank Headquarters

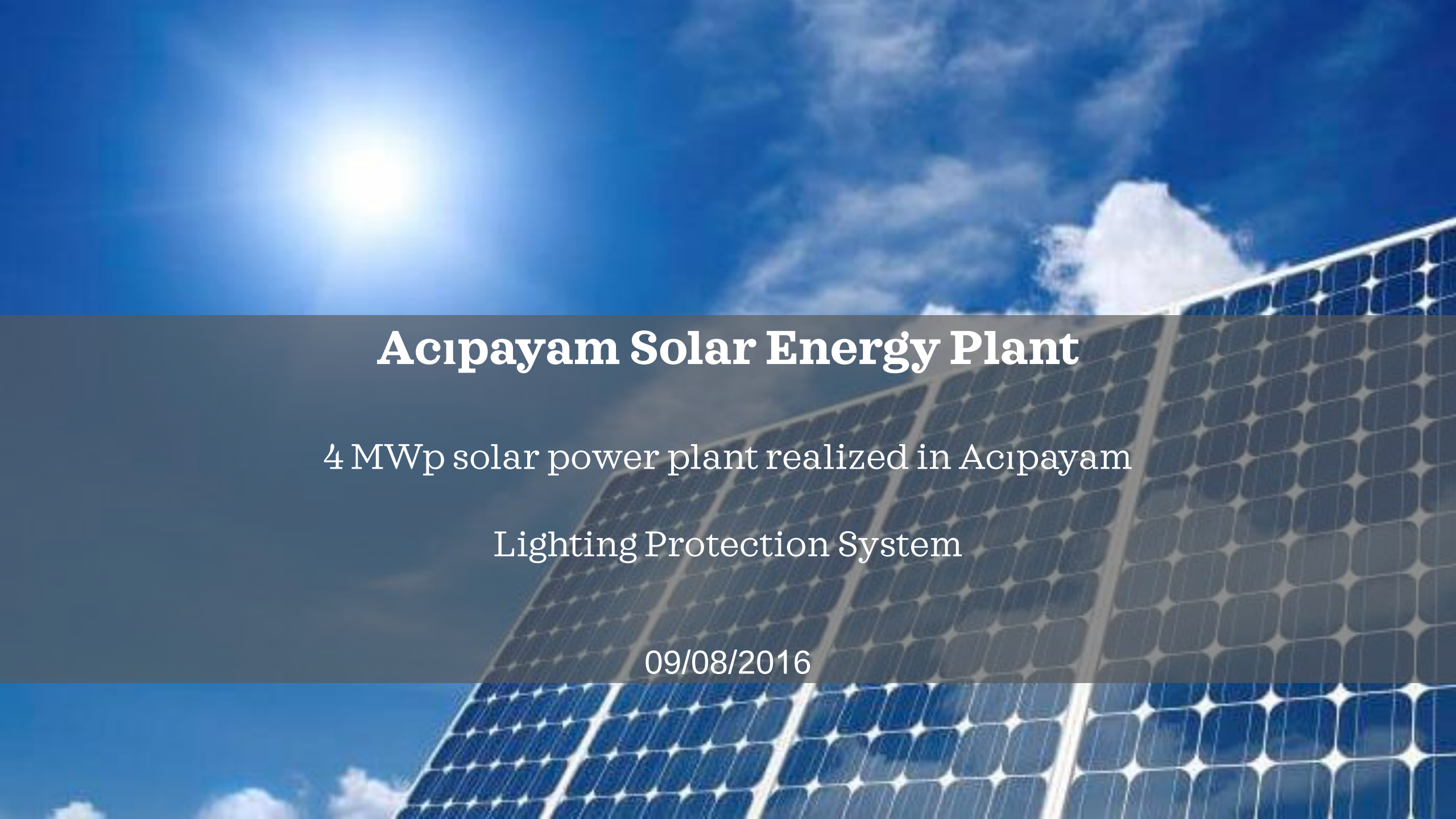
Protected by D grade surge arrestors

20/05/2017

Izmit Water Treatment Plant

Protected by class D type 3 surge arresters.

26/08/2016



Acıpayam Solar Energy Plant

4 MWp solar power plant realized in Acıpayam

Lighting Protection System

09/08/2016

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

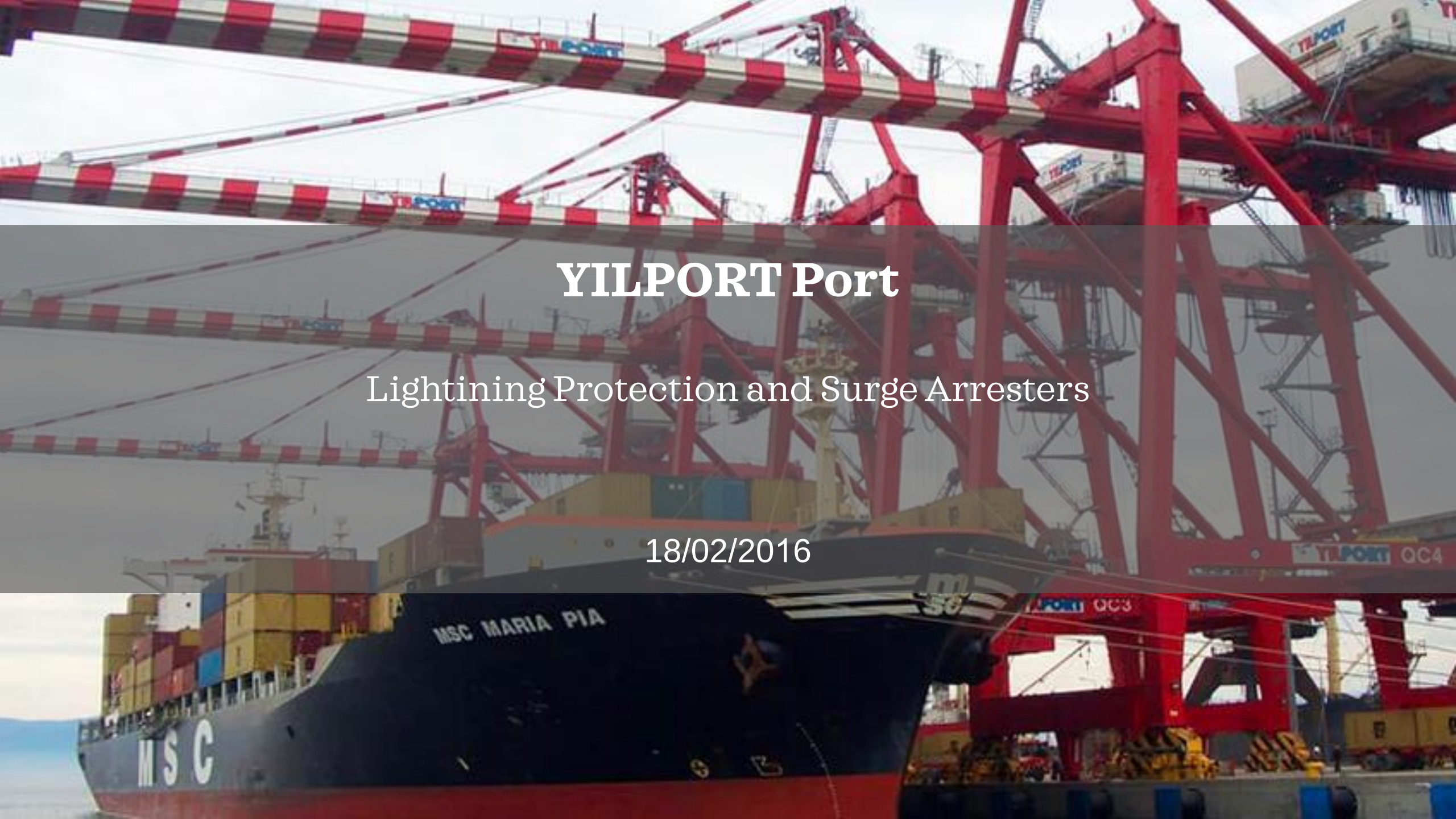
06/04/2016

Balabanlı WPP

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

Lightining Protection and Surge Arresters

12/03/2016



YILPORT Port

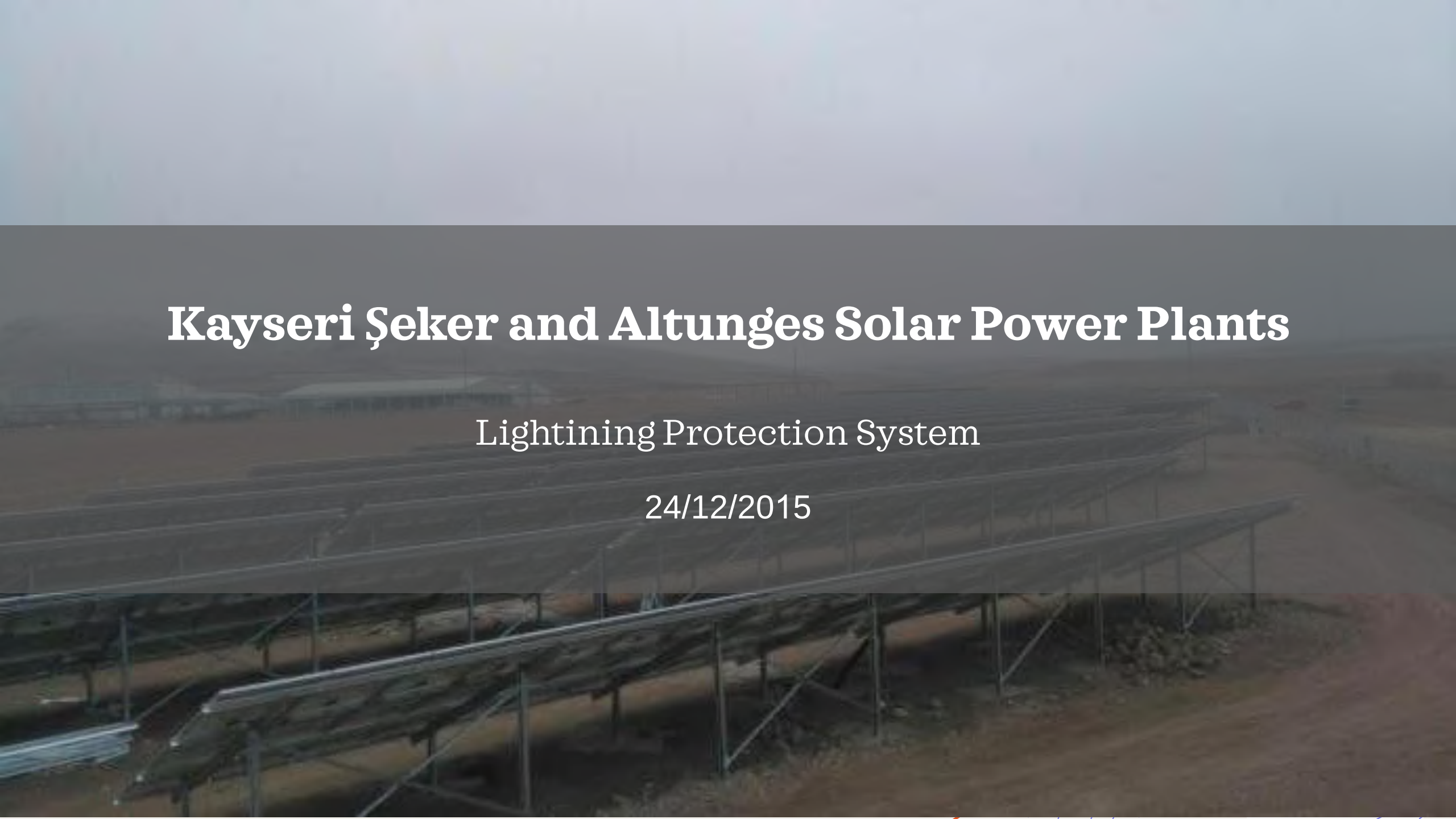
Lightining Protection and Surge Arresters

18/02/2016

Kayseri Şeker and Altunges Solar Power Plants

Lightining Protection System

24/12/2015



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 Pharmaceutical Factory

Lightning Protection System - IEC 62305

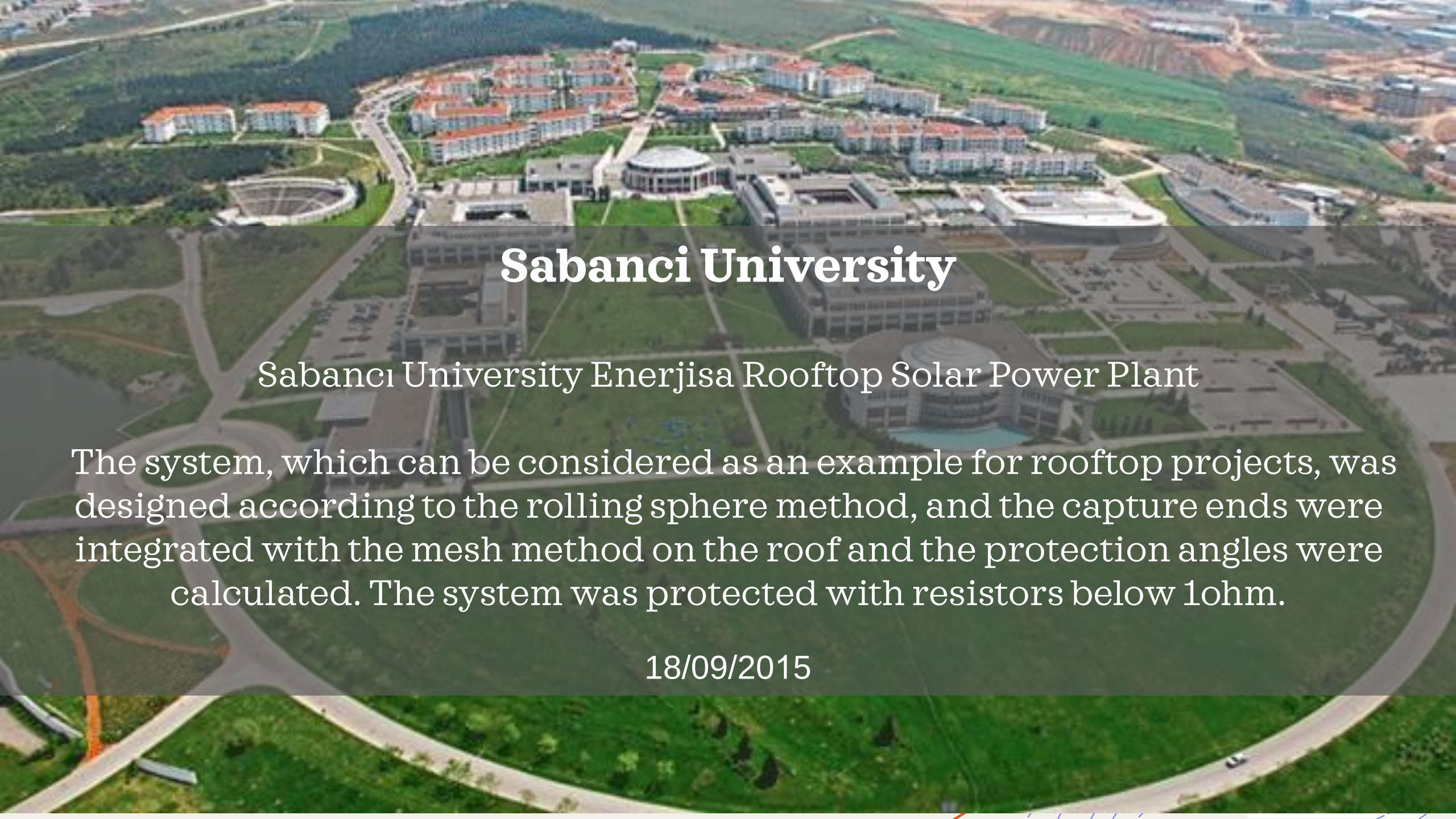
23/11/2015

VENEZIA Project

Venezia shopping and living centers

Lightning Protection and Surge Arrester System

21/09/2015



Sabanci University

Sabancı 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

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.

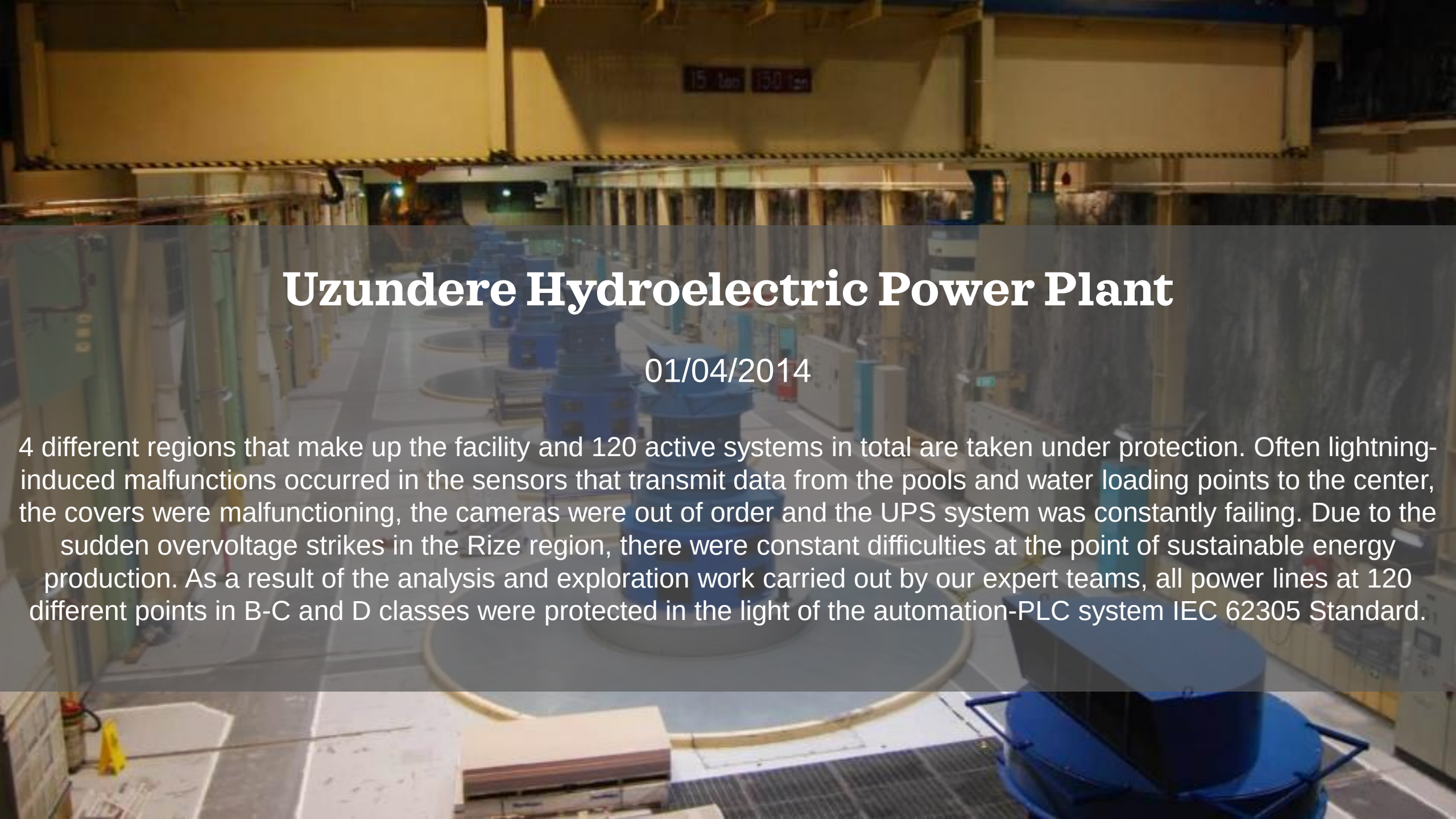
2- RES surge arresters operating at 440/690 volts, specially produced for phases against impacts that may come from the network and ground line at the transformer point, were proposed. One of these products should be used for each phase.

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.