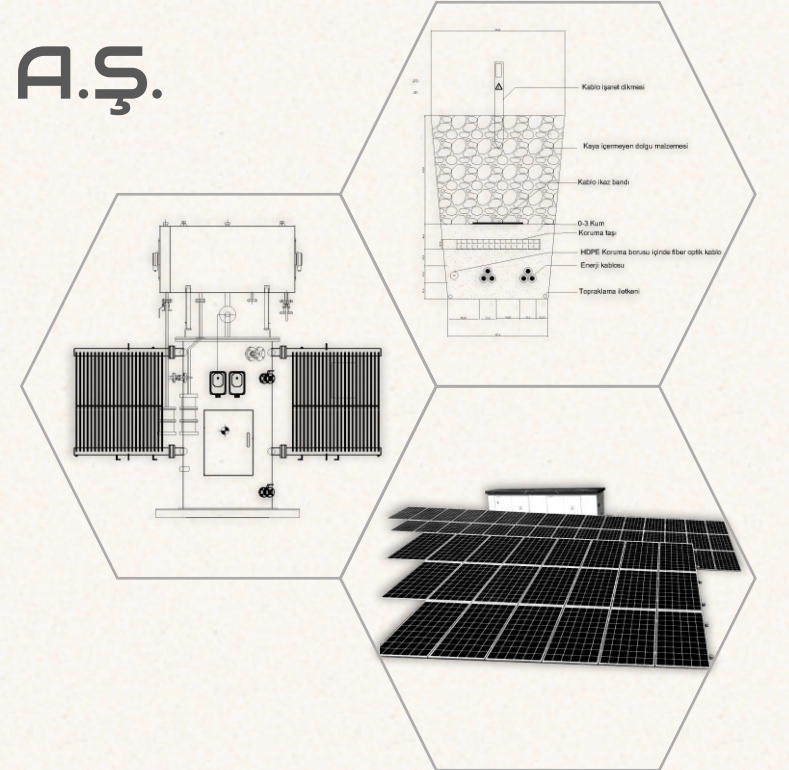


 **Erona**

**ERONA ENERJİ TİCARET A.Ş.**

**ŞİRKET SUNUMU**  
**COMPANY PRESENTATION**

2020



# İÇİNDEKİLER

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# HAKKIMIZDA

## ABOUT US

' Erona Enerji 2017 yılında şahıs şirketi olarak kurulmuş olup, 2019 yılında daha güçlü adımlarla ticari hayatına devam edebilmesi için anonim şirkete evrilmiştir. Şirket, kurumsal olarak ilk adımlarını atsa da, üzerine kurulduğu deneyim 12 yılı aşkın sürede elde edilen 100'lerce MW GES ve RES tecrübesini muhteşiminde bulundurmaktadır. '

' Erona Enerji A.Ş. has founded as unlimited company in 2017 and returned to JSCO at 2019 ,to continue her business life with stronger steps. Although the company takes its first steps institutionally, it has 100s MW of GES and WPP experience, which has been completed successfully over last 12 years. '



# HAKKIMIZDA

## ABOUT US

Temel İlkelerimiz;  
Our Fundamental Principles;



Müşteri  
Memnuniyeti  
Customer  
Satisfaction



Çözüm  
Odaklılık  
Solution  
Oriented



Çalışan  
Memnuniyeti  
Employee  
Satisfaction

# HAKKIMIZDA

## ABOUT US

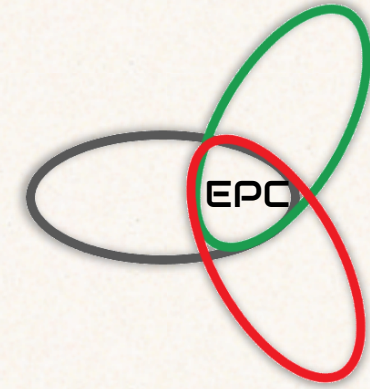
Yenilenebilir Enerji Sektörde 12 yıldan fazla mesleki tecrübe. More than 12 years of professional experience in the Renewable Energy Market.

12 +

Bulgaristan ve Türkiye'nin çeşitli noktalarında hayata geçirilmiş 22 farklı proje. Executed 22 different energy projects at various points Bulgaria and Turkey.



Anahtar teslim çözümler. Turn-key solutions.



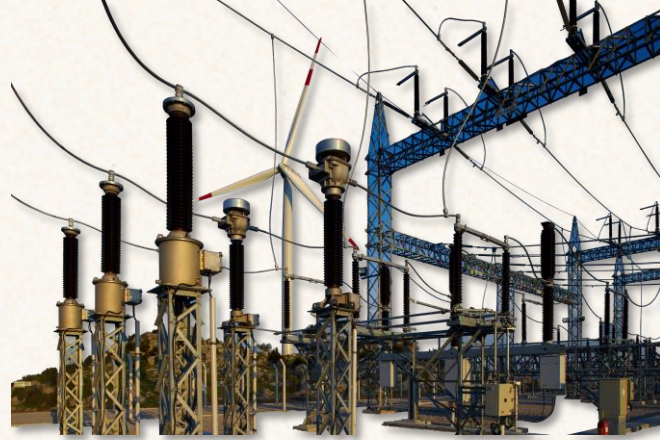


# FAALİYETLERİMİZ

## OUR ACTIVITIES



Rüzgar Enerji  
Santralleri  
Wind Power  
Plants



154kV Trafo Merkezleri  
154kV Substations



Güneş Enerji Santralleri  
Solar Power Plants



Enerji İletim Hatları  
Over Head Lines

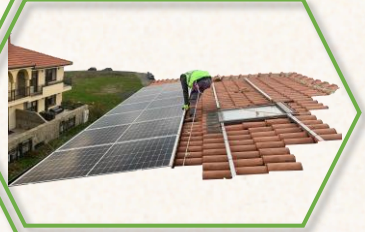
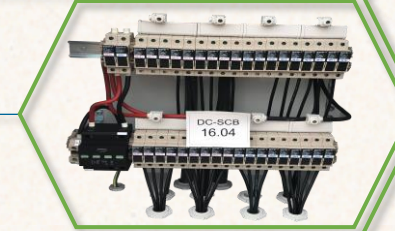
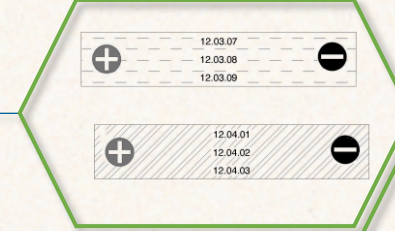


Endüstriyel  
Tesisler  
Industrial Plants

# GÜNEŞ SANTRALLERİ FAALİYETLERİ

## SOLAR POWER PLANTS ACTIVITIES

- Proje Keşif ve Tasarımı.  
On-site Inspection and Design of Project.
- AG ve OG Kablo Kanal İşleri.  
LV and MV Cable Trench Works.
- AC ve DC Kısmı Malzeme Tedariği ve Montajı.  
AC and DC Part Delivery and Installation.
- Güneş Paneli Tedariği ve Montajı.  
Solar Panel Delivery and Installation.
- OG Kısım Malzeme Tedariği ve Montajı.  
MV Part Delivery and Installation.
- Topraklama Sistemi Malzeme Tedariği ve Montajı.  
Earthing System Delivery and Installation.
- Haberleşme Sistemi Kurulumu.  
Installation of Communication System.
- Test ve Devreye Alma.  
Testing and Commissioning.



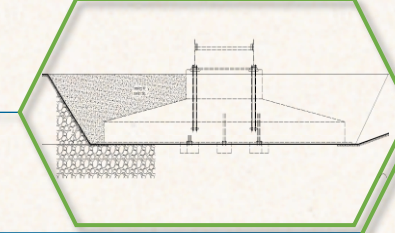


# RÜZGAR SANTRALLERİ FAALİYETLERİ

## WIND POWER PLANTS ACTIVITIES



Proje Keşif ve Tasarımı.  
On-site Inspection and Design of Project.



Kontrol Binası İnşaat ve Elektrik Yapım İşleri.  
Construction and Electrical Installation of Control Building.



OG Kablo Kanal İşleri.  
MV Cable Trench Works.



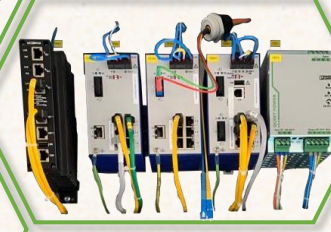
OG Hücre ve Başlık Tedariği ve Montajı.  
MV Cubicle and Cable Lug Delivery and Installation.



Topraklama Sistemi Malzeme Tedariği ve Montajı.  
Earthing System Delivery and Installation.



Fiber Optik Altyapı Kurulumu İşleri.  
Installation of Fibre Optic Infrastructure.



Test ve Devreye Alma.  
Testing and Commissioning.



Bakanlık Geçici Kabulü Çalışmaları.  
Ministry PAC Works.



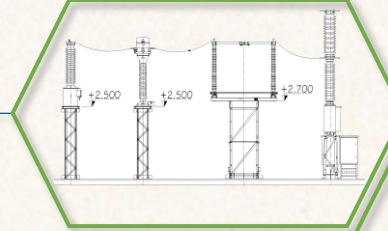


# TRAF0 MERKEZİ FAALİYETLERİ

## SUBSTATION ACTIVITIES



**Proje Keşif ve Tasarımı.**  
On-site Inspection and Design of Project.



**Altyapı İnşaat İşleri.**  
Civil Infrastructure Works.



**Çelik Konstrüksiyon Tedariği ve Montajı.**  
Steel Construction Delivery and Installation.



**Primer Malzeme Tedariği ve Montajı.**  
Primary Material Delivery and Installation.



**Topraklama Sistemi Malzeme Tedariği ve Montajı.**  
Earthing System Delivery and Installation.



**Sekonder Kablolama ve Montaj.**  
Secondary Cabling and Installation.



**Test ve Devreye Alma.**  
Testing and Commissioning.



**TEİAŞ Kabulü Çalışmaları.**  
TEİAŞ Acceptance Works.

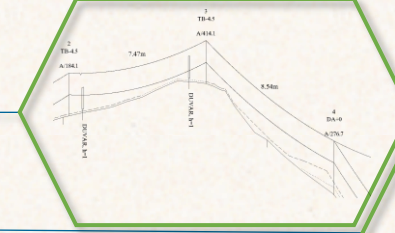


# ENERJİ İLETİM HATTI FAALİYETLERİ

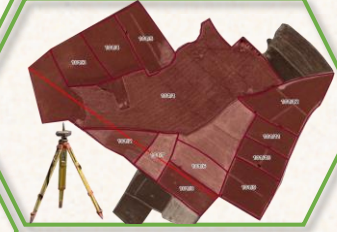
## OVER HEAD LINE ACTIVITIES



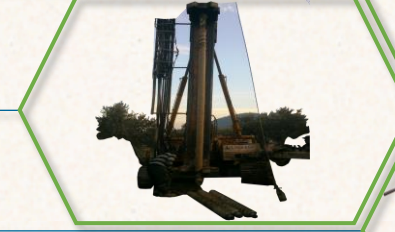
**Proje Keşif ve Tasarımı.**  
On-site Inspection and Design of Project.



**Kamulaştırma Çalışmaları.**  
Expropriation Works.



**Zemin İyileştirme Çalışmaları.**  
Soil Improvement Works.



**Altyapı İnşaat İşleri.**  
Civil Infrastructure Works.



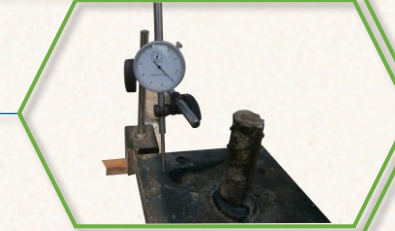
**Çelik Konstrüksiyon Tedariği ve Montajı.**  
Steel Construction Delivery and Installation.



**İletken Tedariği ve Çekimi.**  
Wire Delivery and Installation.



**Test ve Devreye Alma.**  
Testing and Commissioning.



**TEİAŞ Kabulü Çalışmaları.**  
Working of TEİAŞ Acceptance.





# ENDÜSTRİYEL TESİS FAALİYETLERİ

## INDUSTRIAL PLANT ACTIVITIES



Proje Keşif ve Tasarımı.  
On-site Inspection and Design of Project.



Topraklama Sistemi Malzeme Tedariği ve Montajı.  
Earthing System Delivery and Installation.



Taşıyıcı Konsol Sistemleri Tedariği ve Montajı.  
Carrier Bracket Systems Delivery and Installation.



OG Sistemi Tedariği ve Montajı.  
MV System Delivery and Installation.



AG Malzeme Tedariği ve Montajı.  
Low Voltage Material Delivery and Installation.



Yangın Algılama ve Alarm Sistemi Kurulumu İşleri.  
Fire Detection and Alarm System Installation Works.

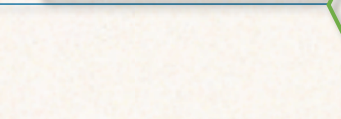
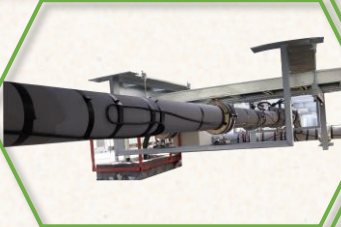


Isıtma ve Soğutma Sistemleri Kurulumu İşleri.  
Heating and Cooling Systems Installation Works.



Test ve Devreye Alma.  
Testing and Commissioning.







S	r	t	c	In	In	F <sub>1,25%</sub>	af	af	
mm	Økmm	mHkmm	µFkmm	A	A	Økmm	Økmm	Økmm	
1x	50	0,6410	0,3970	0,1740	173	184	0,0205	0,1247	18,294
1x	70	0,4430	0,3770	0,1970	211	229	0,0670	0,1184	16,158
1x	95	0,3200	0,3600	0,2180	252	278	0,4898	0,1333	14,961
1x	120	0,2530	0,3490	0,2380	297	320	0,5230	0,1896	13,374
1x	150	0,2060	0,3380	0,2560	320	363	0,2247	0,1862	12,408
1x	185	0,1640	0,3290	0,2780	362	415	0,2098	0,1034	11,450
1x	240	0,1250	0,3170	0,3080	421	493	0,3460	0,0996	10,335
1x	300	0,1000	0,3080	0,3360	474	563	0,3290	0,0968	9,474
1x	400	0,0780	0,2980	0,3770	538	652	0,0498	0,0926	8,444
1x	500	0,0605	0,2900	0,4130	606	746	0,0734	0,0913	7,707
1x	630	0,0469	0,2820	0,4550	686	850	0,0860	0,0886	6,999

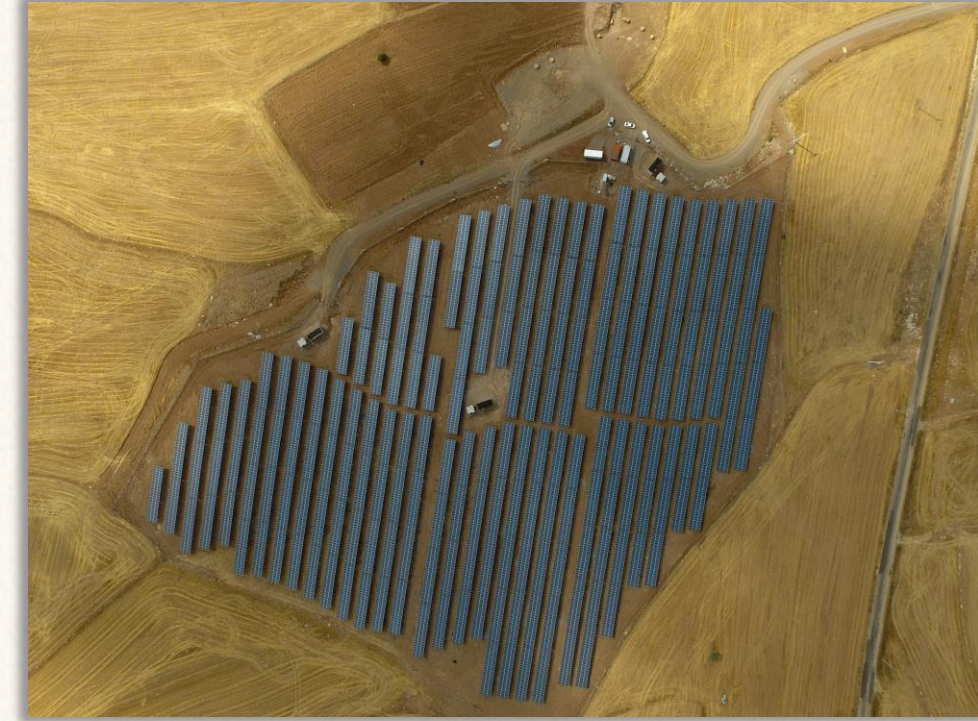
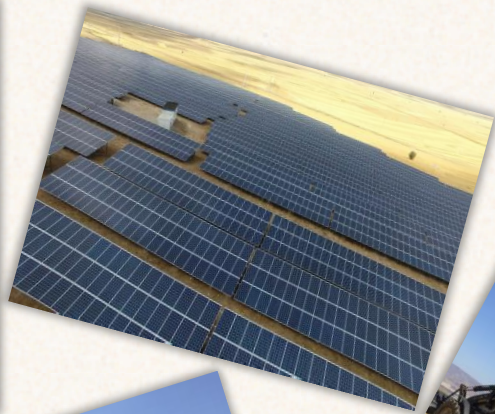




# GÜNEŞ SANTRALLERİ TECRÜBELERİ

## EXPERIENCES IN SOLAR POWER PLANTS







 Project Name / Project Name	<b>Sivas 01-02-03 GES</b>
 Yapım Yılı / Year of Built	<b>2017</b>
 Kurulu Güç / Installed Power	<b>10,49 MWp</b>
 PV Modüller / PV Modules	<b>Hanwha Q.PRO G4.1 270 Wp</b>
 İnverterler / Inverters	<b>Sungrow SG 1000</b>
 Konum / Location	<b>Sivas, Türkiye / Turkey</b>





# GÜNEŞ SANTRALLERİ TECRÜBELERİ

## EXPERIENCES IN SOLAR POWER PLANTS

 Project Name / Project Name	<b>Elazığ 01 GES</b>
 Yapım Yılı / Year of Built	<b>2017</b>
 Kurulu Güç / Installed Power	<b>33,99 MWp</b>
 PV Modüller / PV Modules	<b>Hanwha Q.PRO G4.1 270 Wp</b>
 İnverterler / Inverters	<b>Sungrow SG 1000</b>
 Konum / Location	<b>Elazığ, Türkiye / Turkey</b>

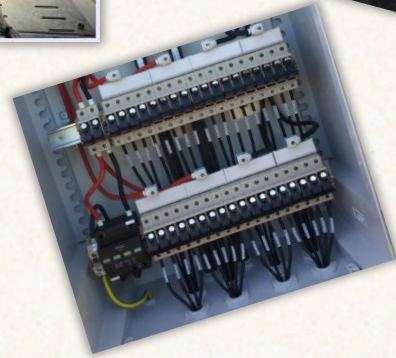




# GÜNEŞ SANTRALLERİ TECRÜBELERİ

## EXPERIENCES IN SOLAR POWER PLANTS

- Project Name / Project Name **Elazığ 02-03-04 GES**
- Yapım Yılı / Year of Built **2018**
- Kurulu Güç / Installed Power **21,69 MWp**
- PV Modüller / PV Modules **Hanwha Q.PRO G4.1 280 Wp**
- İnverterler / Inverters **SMA SC1000 CP XT**
- Konum / Location **Elazığ, Türkiye / Turkey**





# GÜNEŞ SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN SOLAR POWER PLANTS

- Project Name / Project Name
- Yapım Yılı / Year of Built
- Kurulu Güç / Installed Power
- PV Modüller / PV Modules
- İnverterler / Inverters
- Konum / Locations

**Maraş 01 GES**  
**2015**  
**8 MWp**  
**Hanwha SolarOne HSL60P6-PC-1-260**  
**LTI ReEnergy PVM3.57.333.EM**  
**Kahramanmaraş, Türkiye / Turkey**



- Project Name / Project Name
- Yapım Yılı / Year of Built
- Kurulu Güç / Installed Power
- PV Modüller / PV Modules
- İnverterler / Inverters
- Konum / Location

**Yozgat 01-02-03 GES**  
**2016**  
**13,17 MWp**  
**Hanwha SolarOne HSL60P6-PC-1-265**  
**Sungrow SGL60 KTL**  
**Yozgat, Türkiye / Turkey**



- Project Name / Project Name
- Yapım Yılı / Year of Built
- Kurulu Güç / Installed Power
- PV Modüller / PV Modules
- İnverter / Inverter
- Konum / Location

**Sinmorets Asti Art Hotel GES**  
**2019**  
**15,8 kWp**  
**Hanwha QCELLS Q.peak Duo L-G5.3 385**  
**SMA STP 12000TL-20**  
**Burgas, Bulgaristan / Bulgaria**



# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Sayalar RES</b>
İşveren / Employer	<b>Doğal Enerji (Polat &amp; Demirer)</b>
Yapım Yılı / Year of Built	<b>2007</b>
Kurulu Güç / Installed Power	<b>34,2 MW</b>
Türbin Tipi / Type of Turbine	<b>Enercon E-44 – 0,9 MW</b>
Türbin Sayısı / Number of Turbine	<b>38 adet / 38 pieces</b>
Konum / Location	<b>Akhisar, Manisa, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Dares RES</b>
İşveren / Employer	<b>Doğal Enerji (Polat &amp; Demirer)</b>
Yapım Yılı / Year of Built	<b>2008</b>
Kurulu Güç / Installed Power	<b>29,6 MW</b>
Türbin Tipi / Type of Turbine	<b>Enercon E-44 - 0,9 MW / E-48 - 0,8 MW</b>
Türbin Sayısı / Number of Turbine	<b>36 adet / 36 pieces</b>
Konum / Location	<b>Datça, Muğla, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Kuyucak RES</b>
İşveren / Employer	<b>Doğal Enerji (Polat &amp; Demirer)</b>
Yapım Yılı / Year of Built	<b>2010</b>
Kurulu Güç / Installed Power	<b>25,6 MW</b>
Türbin Tipi / Type of Turbine	<b>Enercon E-48 – 0,8 MW / E-70 – 2 MW</b>
Türbin Sayısı / Number of Turbine	<b>14 adet / 14 pieces</b>
Konum / Location	<b>Akhisar, Manisa, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Sares RES</b>
İşveren / Employer	<b>GAMA Holding</b>
Yapım Yılı / Year of Built	<b>2011</b>
Kurulu Güç / Installed Power	<b>22,5 MW</b>
Türbin Tipi / Type of Turbine	<b>GE 2,5 MW</b>
Türbin Sayısı / Number of Turbine	<b>9 adet / 9 pieces</b>
Konum / Location	<b>Ezine, Çanakkale Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Samurlu RES</b>
İşveren / Employer	<b>Doğal Enerji (Polat &amp; Demirer)</b>
Yapım Yılı / Year of Built	<b>2012</b>
Kurulu Güç / Installed Power	<b>30 MW</b>
Türbin Tipi / Type of Turbine	<b>Enercon E-70 - 2 MW</b>
Türbin Sayısı / Number of Turbine	<b>15 adet / 15 pieces</b>
Konum / Location	<b>Aliağa, İzmir, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Gökres-2 RES</b>
İşveren / Employer	<b>GAMA Holding</b>
Yapım Yılı / Year of Built	<b>2013-2014</b>
Kurulu Güç / Installed Power	<b>35,75 MW</b>
Türbin Tipi / Type of Turbine	<b>GE 2,75 MW</b>
Türbin Sayısı / Number of Turbine	<b>13 adet / 13 pieces</b>
Konum / Location	<b>Akhisar, Manisa, Türkiye / Turkey</b>

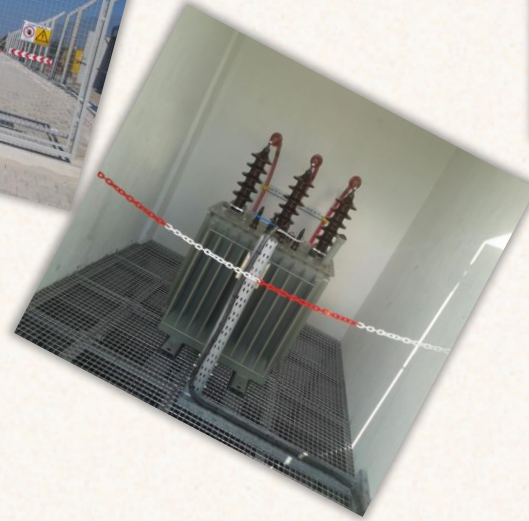




# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

✦ Project Name / Project Name	<b>Adares RES</b>
✦ İşveren / Employer	<b>Gestamp &amp; FC Enerji</b>
✦ Yapım Yılı / Year of Built	<b>2015</b>
✦ Kurulu Güç / Installed Power	<b>10 MW</b>
✦ Türbin Tipi / Type of Turbine	<b>Gamesa G97-2 , 2 MW</b>
✦ Türbin Sayısı / Number of Turbine	<b>5 adet / 5 pieces</b>
✦ Konum / Location	<b>Kuşadası, Aydın, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Kırkağaç RES</b>
İşveren / Employer	<b>GAMA Holding</b>
Yapım Yılı / Year of Built	<b>2016</b>
Kurulu Güç / Installed Power	<b>45 MW</b>
Türbin Tipi / Type of Turbine	<b>GE 2,85 MW</b>
Türbin Sayısı / Number of Turbine	<b>16 adet / 16 pieces</b>
Konum / Location	<b>Kırkağaç, Manisa, Türkiye / Turkey</b>





# RÜZGAR SANTRALLERİNDEKİ EKİP TECRÜBELERİ

## TEAM EXPERIENCES IN WIND POWER PLANTS

Project Name / Project Name	<b>Kızılcaterzi RES</b>
İşveren / Employer	<b>Fina Enerji</b>
Yapım Yılı / Year of Built	<b>2019</b>
Kurulu Güç / Installed Power	<b>12 MW</b>
Türbin Tipi / Type of Turbine	<b>GE 3 MW</b>
Türbin Sayısı / Number of Turbine	<b>4 adet / 4 pieces</b>
Konum / Location	<b>Şarköy, Tekirdağ, Türkiye / Turkey</b>





# ENDÜSTRİYEL TESİS EKİP TECRÜBELERİ

## TEAM EXPERIENCE IN INDUSTRIAL PLANT

- Project Name / Project Name **Zenium Data Center**
- İşveren / Employer **The WBS Group**
- Yapım Yılı / Year of Built **2015**
- Yapım Süresi / Construction Time **1 yıl / 1 year**
- İş Kapsamı / Content of Work **Elektrik Altyapısı / Electrical Infrastructure**
- Konum / Location **Ümraniye, İstanbul, Türkiye / Turkey**





# Erona Enerji Ticaret A.Ş.



0 (533) 252 07 34



info@eronaenerji.com



www.eronaenerji.com



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