

**IBM**  
TRAD 



**WHERE THE SUN SHINES**



## ABOUT US

IBM Trade established in 2010, is a manufacturer and service company in the photovoltaic power generation sector. IBM Trade serves solar power plant investment and technical consulting, projecting, system design, power plant installations, licensing and operation, as well as unlicensed production regulations in over 1 MW and less than 1 MW projects planning, designing, financing, implementation and general maintenance matters. Apart from industrial installations, it also offers solution for domestic and home roofing solar panel systems installation.

IBM Trade with the powerful partnerships in Far Asia and Germany; carries out photovoltaic panel production. Services include On-Grid Systems, Off-Grid Systems, Solar Energy Irrigation Systems, LED Lighting Systems, Solar Energy Camera Systems, Electric Vehicle Charging Stations also Turnkey Projects are available.

Our mission is a conception that does not compromise on quality and customer satisfaction.

Wherever the sun is shining, we will be pleased to see you!





## MISSION & VISION

IBM Trade aims to spread the use of solar energy and support the future of human beings with new technologies by contributing to the world economy and leaving a livable nature for future generations by pioneering to meet the energy need of the planet we live in with clean resources.

IBM Trade dedicates its existence to maintain its presence for a long time as an honest, trustworthy, principled organization.

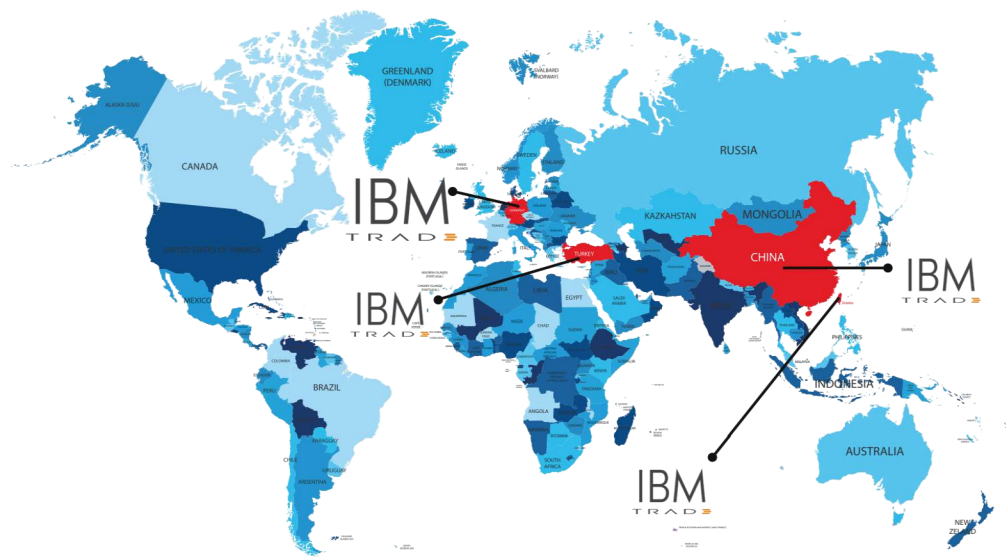
## QUALITY POLICY

IBM Trade is a company that offers new technologies to human beings and has a high customer focus and high quality in all its products and services, makes a difference in the sector and progresses to become a world leader. Our solar panels manufactured in our factory in accordance

with ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001: 2007, ISO / IEC 27001: 2013, ISO 50001: 2011, ISO 10002: 2014, UL and IEC standards can accurately meet certification compliance and regulatory standards are tested by independent testing organizations such as TSE, TÜV SÜD, TÜV Rheinland and SGS.

## HUMAN RESOURCES POLICY

IBM Trade takes the basic values based on elements such as unity and integrity, understanding, excellence, responsibility, creativity as basis to date. With its philosophy of continuous development, IBM Trade transforms it into a reality with its valuable team of experienced and talented people with deep knowledge in their fields. Working in IBM Trade; goes out of necessity, becomes a fun habit.





## PHOTOVOLTAIC ENERGY ON THE WORLD AND IN TURKEY

The largest source of the fusion energy is the sun. The amount of incoming solar energy to the earth in one year is 50 times of the total coal reserves known and 800 times of the total oil reserves known. Additionally, this energy is 15.000 times more than the amount of fossil, nuclear and hydroelectric plants on earth will produce in one year.

Our country is quite fortunate in terms of potential for solar energy due to its geographical position. According to statistical studies, Turkey's average annual sunshine duration is 2640h (7,2h per day), the average annual total irradiation intensity is 1311 kWh/m<sup>2</sup> per year. This results 3,6h kWh/m<sup>2</sup> per day.

Although the average irradiation intensity in Germany is 900 kWh/m<sup>2</sup> per year, Germany has been providing the majority of its electricity from solar energy for many years. The electricity produced from the solar energy in Turkey is even less than %1 of the total power consumption, but this potential is increasing rapidly in recent years with legal regulations.

## ON GRID INVERTER

## PHOTOVOLTAIC SOLAR MODULE



IBM  
TRADE



MS-P & SK PURE SINE  
WAVE INVERTER



MKS & KS INVERTER

CHARGE  
CONTROLLER

## LORENTZ PUMP



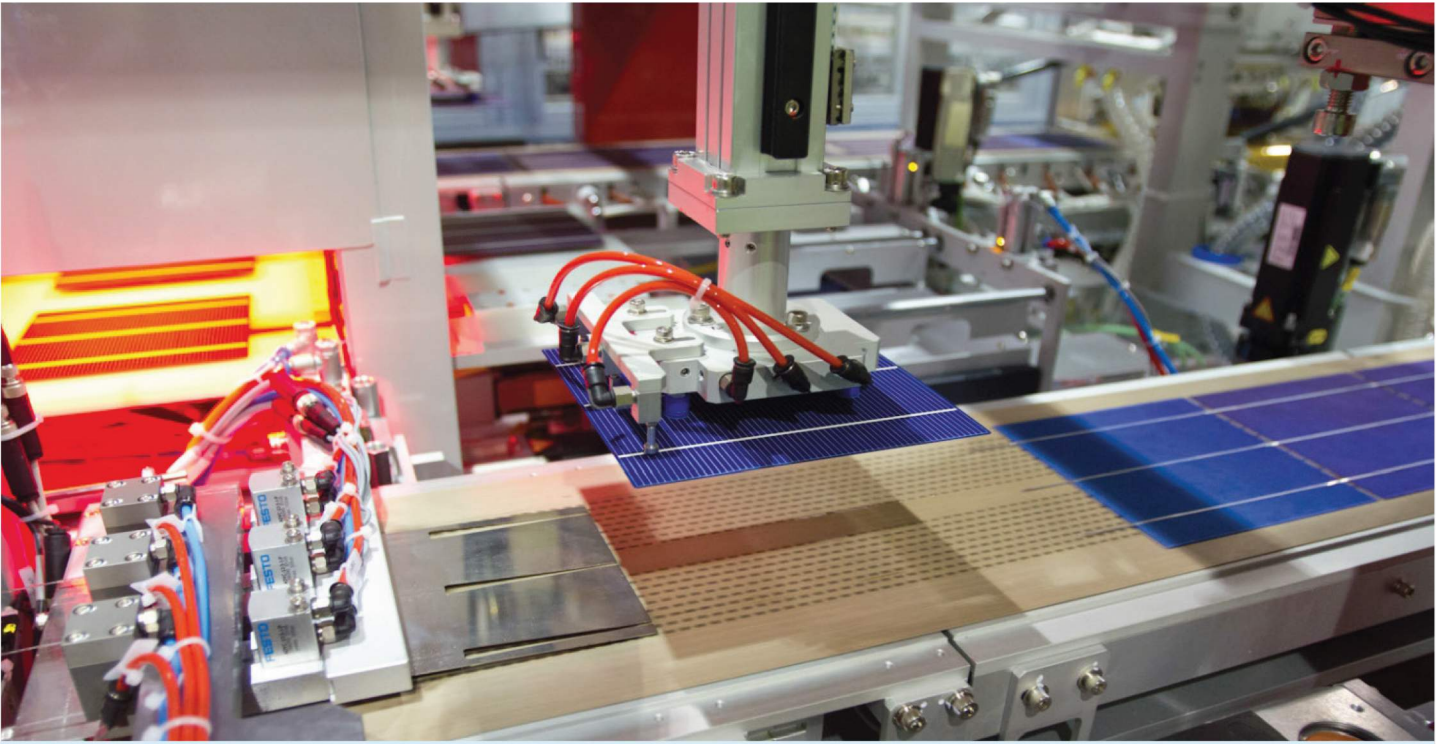
IRRIGATION PANEL



POWER PACK

- Photovoltaic Module
- On Grid Inverter
- Solar Monitoring Device
- Solar Irrigation System-Lorentz Pump
- Solar Cables and Connectors
- Power Pack - Power Box (OFF-GRID System)
- Solar Charge Controller (OFF-GRID System)
- Off Grid Inverter (OFF-GRID System)
- Solar Gel Battery (OFF-GRID System)
- Infrastructure System
- Solar LED System

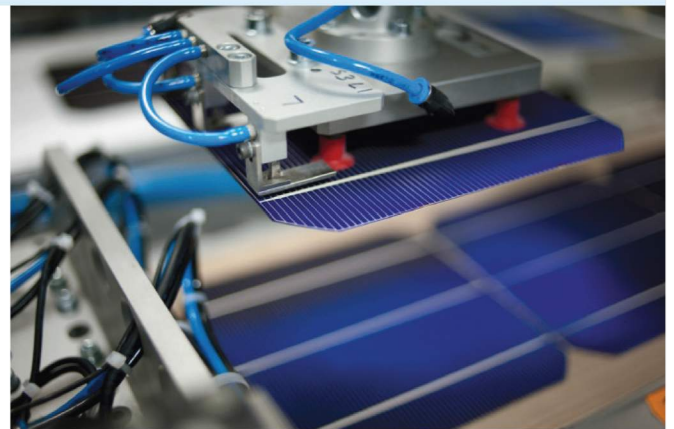
# WHERE THE SUN SHINES



# PRODUCTION

We offer solar panels we produce at high quality standards, inverters, infrastructure materials and provide all the necessary products to your service.

You will experience the difference of producing more energy and having durable products with us, IBM Trade .



WHERE THE SUN SHINES



## RESEARCH AND DEVELOPMENT

We continue to develop and produce for you with our corporate identity which constantly develops and innovates through our investments in R&D.

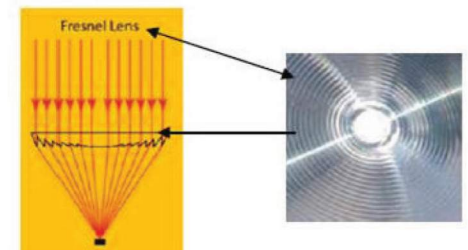
## CONCENTRATED MODULE

To reach an efficient use of global resources, to use much less raw material in less space to produce more energy; our R&D activities concerning concentrated modules are in progress and we aim to provide our product to the national market soon.



## FRESNEL LENS

One of our most important R&D activities, the Fresnel Lens Technology, is used in many industrial sectors with concentrated modules.



## REFERENCES



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ELAZIĞ
Installed Capacity	15,8 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	BATMAN
Installed Capacity	6,6 MW - FIRST SPP IN BATMAN



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	NEVŞEHİR
Installed Capacity	6,1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	OSMANIYE
Installed Capacity	5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	MANİSA
Installed Capacity	5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2015**

Location	KİLİS
Installed Capacity	4,5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	AMASYA
Installed Capacity	4,5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ANKARA / NALLIHAN
Installed Capacity	4 MW



## REFERENCES



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ANKARA / AYAŞ
Installed Capacity	3,1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	ANTALYA / ELMALI
Installed Capacity	2,5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	KARS
Installed Capacity	2,5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ANTALYA / DEMRE
Installed Capacity	2,2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ERZURUM / REFAHIYE
Installed Capacity	2,1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	AFYONKARAHISAR
Installed Capacity	2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	ANTALYA / KORKUTELİ
Installed Capacity	2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	ANTALYA / MANAVGAT
Installed Capacity	2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ÇANKIRI / KURŞUNLU
Installed Capacity	2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	BALIKESİR
Installed Capacity	1,5 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	UŞAK
Installed Capacity	1,2 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ÇANKIRI / ŞABANÖZÜ
Installed Capacity	1,2 MW



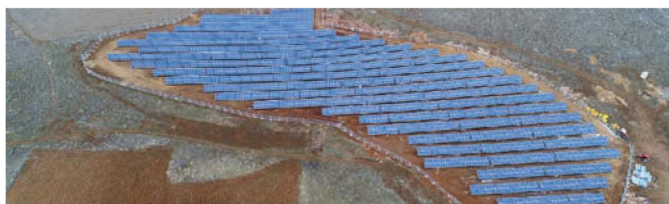
**PHOTOVOLTAIC GROUND MOUNTED SPP 2015**

Location	KONYA / SEYDİŞEHİR
Installed Capacity	1,1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	KIRŞEHİR
Installed Capacity	1,1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	AFYONKARAHİSAR
Installed Capacity	1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2015**

Location	ANTALYA / ELMALI
Installed Capacity	1 MW

## REFERENCES



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ANTALYA / DÖŞEMEALTI
Installed Capacity	1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	ERZURUM
Installed Capacity	1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	ANTALYA / GAZIPAŞA
Installed Capacity	1 MW



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	GAZİANTEP / ŞEHİTKAMİL
Installed Capacity	896 kWp



**PHOTOVOLTAIC GROUND MOUNTED SPP 2016**

Location	ANTALYA / ELMALI
Installed Capacity	800 kWp



**PHOTOVOLTAIC GROUND MOUNTED SPP 2017**

Location	MERSİN
Installed Capacity	510 kWp



**PHOTOVOLTAIC GROUND MOUNTED SPP 2013**

Location	ANTALYA / ALANYA
Installed Capacity	164 kWp - FOOD COMPANY



**PHOTOVOLTAIC GROUND MOUNTED SPP 2014**

Location	ISPARTA
Installed Capacity	50 kWp - TURKEY'S FIRST CHARGE STATION

## REFERENCES



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2016**

Location	KÜTAHYA / TAVŞANLI
Installed Capacity	1,1 MW



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2015**

Location	AYDIN / GERMENCİK
Installed Capacity	1 MW - CHICKEN FARM



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	ANTALYA / SERİK
Installed Capacity	1 MW - COLD STORAGE DEPOT



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	MANİSA
Installed Capacity	986 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2015**

Location	ANTALYA / ELMALI
Installed Capacity	900 kWp - COLD STORAGE DEPOT



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2015**

Location	AYDIN / SÖKE
Installed Capacity	850 kWp - OIL FACTORY



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	KUMLUCA
Installed Capacity	621 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	DENİZLİ / MERKEZEFENDİ
Installed Capacity	600 kWp

## REFERENCES



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	BURDUR / BUCAK
Installed Capacity	549 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2016**

Location	ANTALYA / O.S.B.
Installed Capacity	504 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2014**

Location	ANTALYA / ELMALI
Installed Capacity	493 kWp - COLD STROGE DEPOT



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	ÇORUM	TURKEY'S FIRST APPROVED IPARD PROJECT
Installed Capacity	475 kWp	



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	ANTALYA / O.S.B.
Installed Capacity	458 kWp - ANT. O.S.B. / CW ENERJI



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2016**

Location	ANTALYA / O.S.B.
Installed Capacity	400 kWp - ANT. O.S.B. / FACTORY



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2014**

Location	ANTALYA / ELMALI
Installed Capacity	310 kWp - COLD STORAGE DEPOT



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2016**

Location	ANTALYA / ELMALI
Installed Capacity	300 kWp - COLD STORAGE DEPOT

**WHERE THE SUN SHINES**

## REFERENCES



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2013**

Location	ANTALYA / ELMALI
Installed Capacity	250 kWp - COLD STORAGE DEPOT



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2014**

Location	ADIYAMAN
Installed Capacity	200 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2017**

Location	FİNİKE
Installed Capacity	195 kWp - FACTORY



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2013**

Location	ÇORUM / MECİTÖZÜ
Installed Capacity	38 kWp

## INTERNATIONAL REFERENCES



**PHOTOVOLTAIC GROUND MOUNTED SPP 2014**

Location	ROMANIA
Installed Capacity	2 MW



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2014**

Location	GERMANY / RHEINFELDEN
Installed Capacity	725 kWp



**PHOTOVOLTAIC ROOFTOP MOUNTED SPP 2014**

Location	GERMANY / WALDKIRCH
Installed Capacity	378 kWp

# IBM

## TRAD



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