



Mühendislik Fakültesi

Kimya Mühendisliği Bölümü

KMB 245-Enerji Teknolojileri

Dr. Öğr. Üyesi, İsa DEĞİRMENCI

2- Yüksek Sıcaklık (Yoğunlaştırıcı) Sistemleri (800-900 °C ye kadar)

A. Parabolik Oluk Kolektörleri



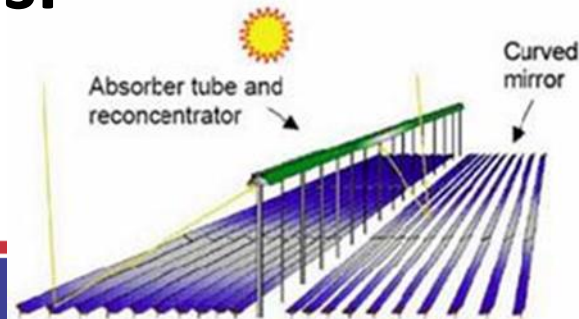
B. Parabolik Çanak Sistemleri



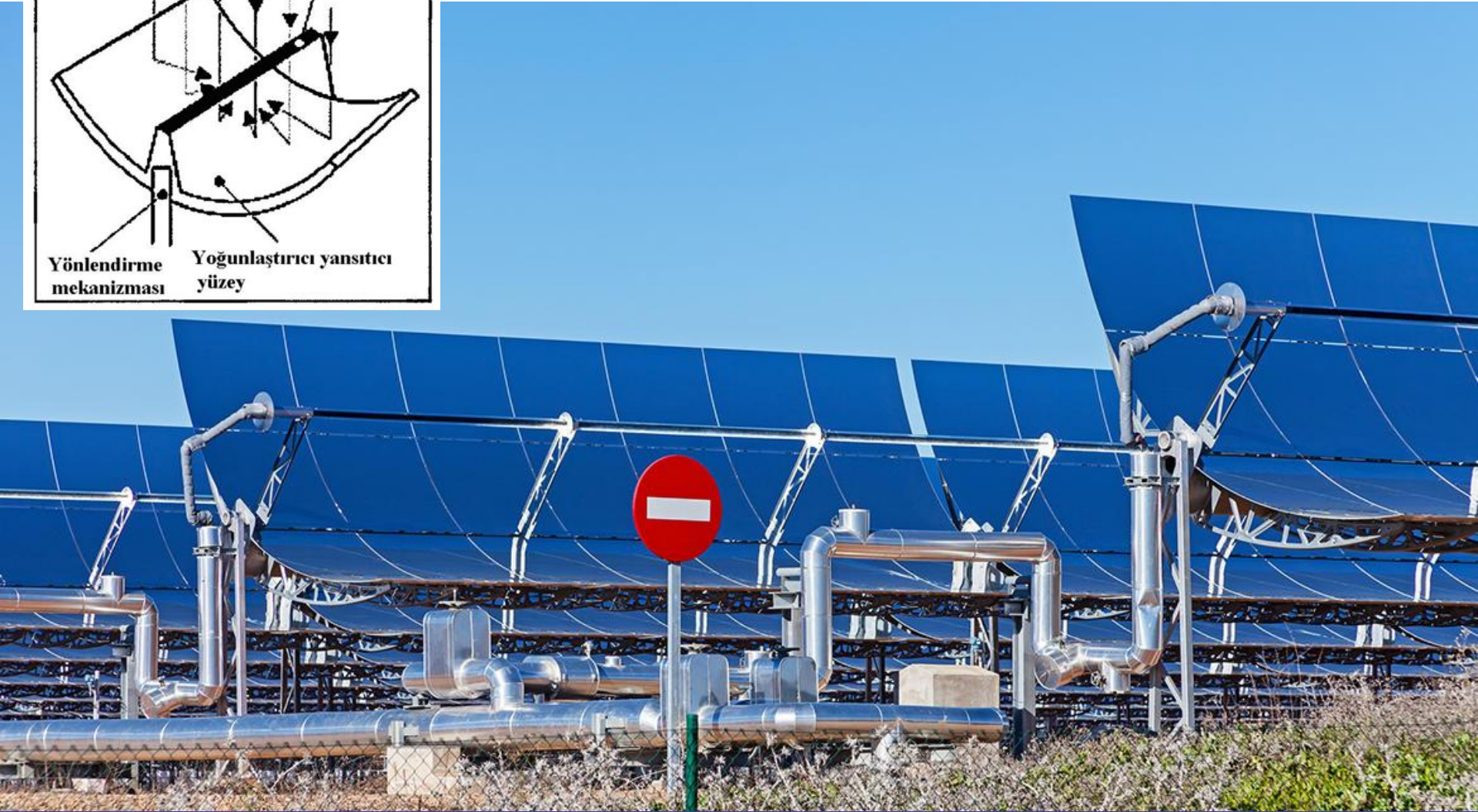
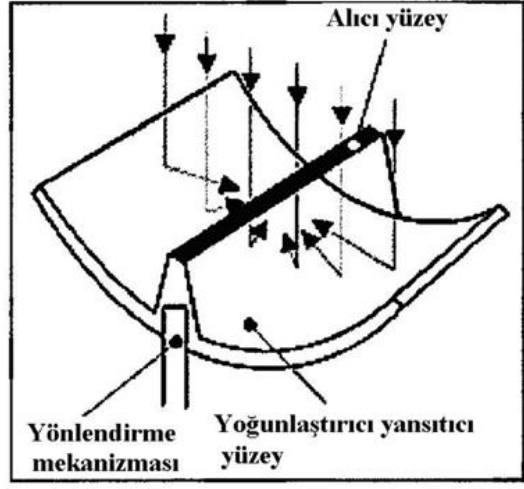
C. Noktasal Yoğunlaştırıcılar



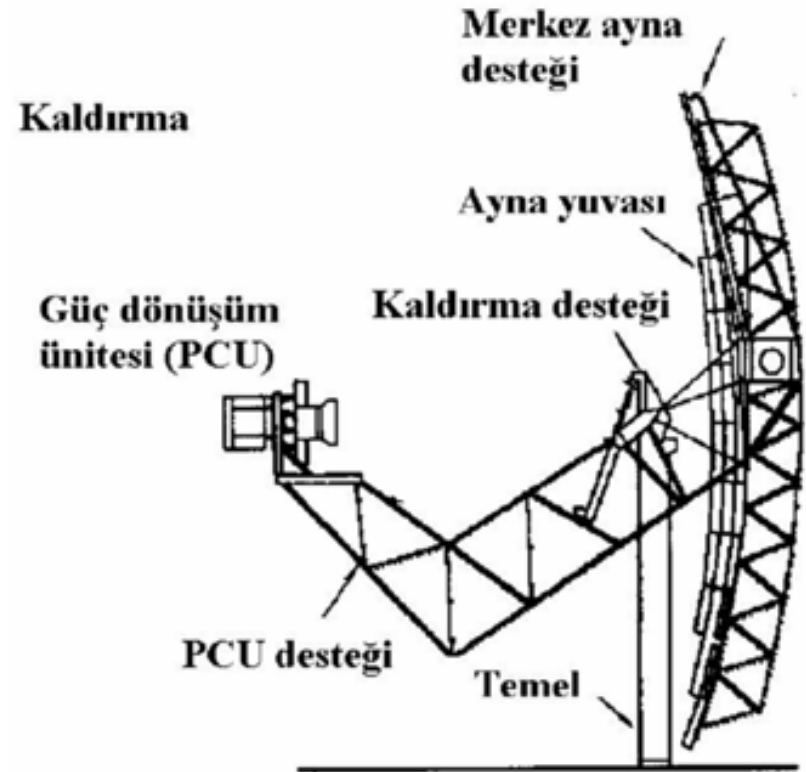
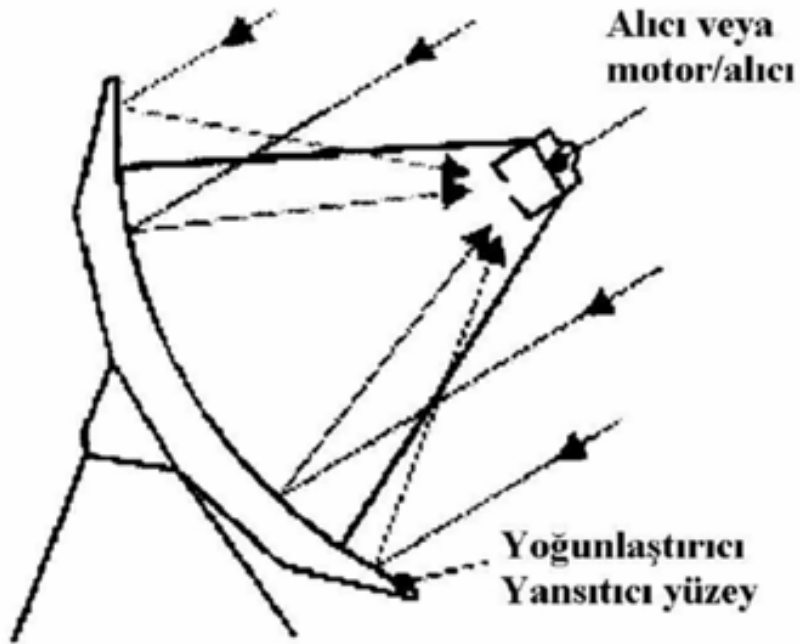
D. Fresnel Oluk Teknolojisi



A- Parabolik Oluk Kolektörleri



B- Parabolik Çanak Motor Sistemleri



C. Merkezi (Noktasal) Alıcı Sistemler



PS10 Santrali



Heliostat

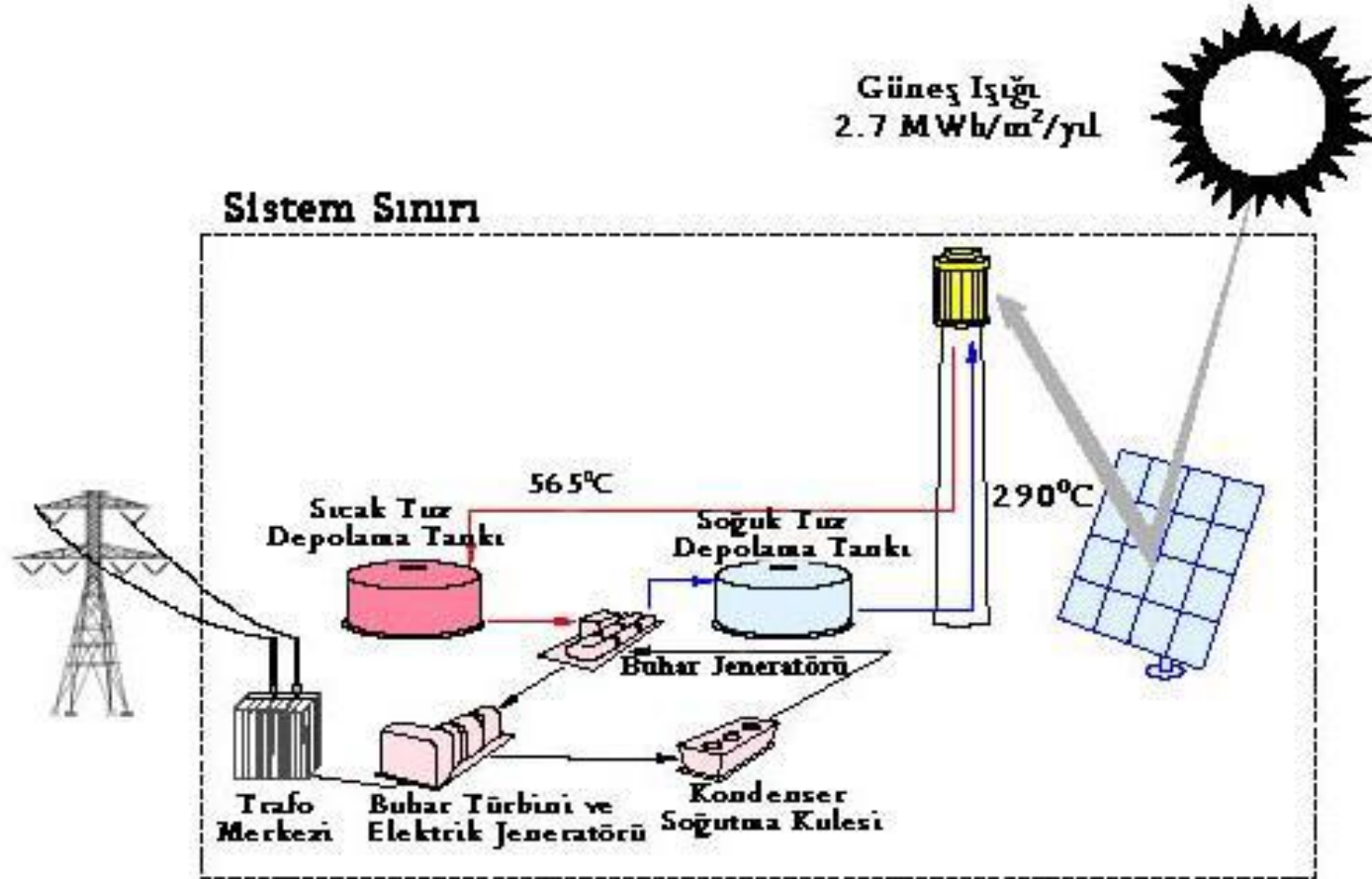


Mersin, 510 adet yansıtıcı, kurulu güç: 5MWth, 550°C ve 55bar buhar elde ediliyor.

1500 evin elektrik ihtiyacını karşılayabiliyor.



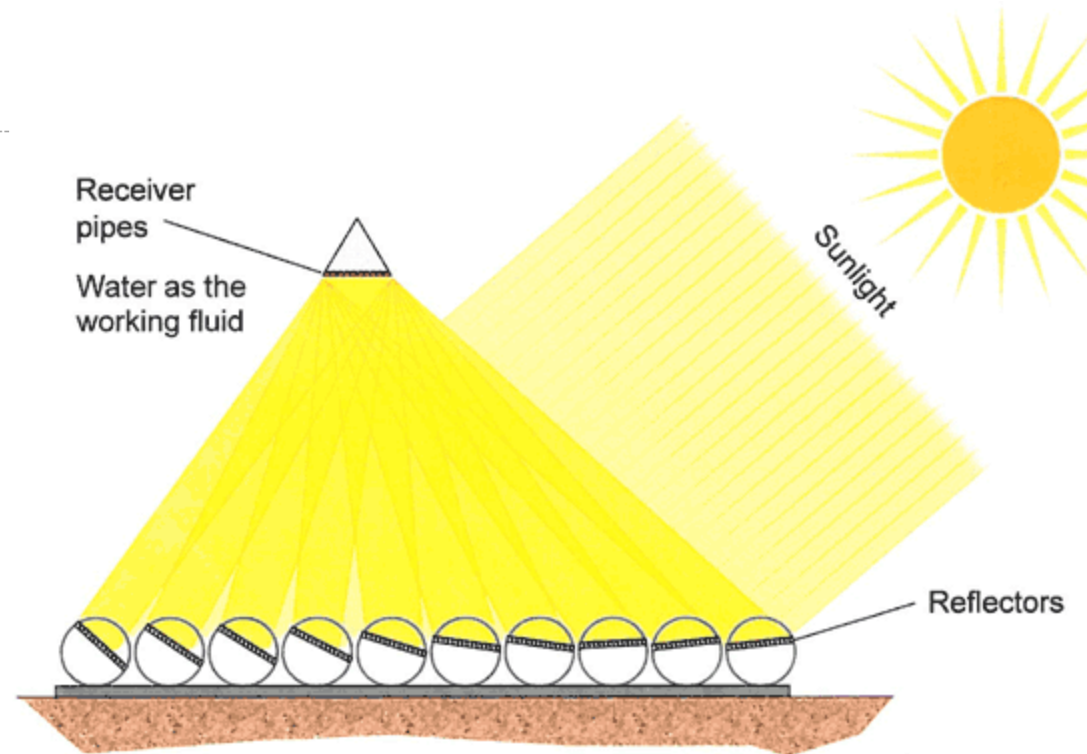
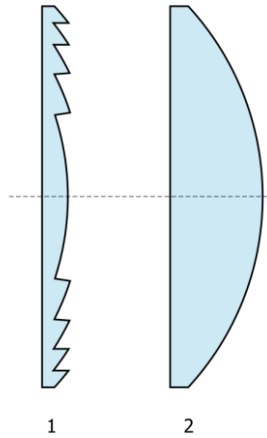
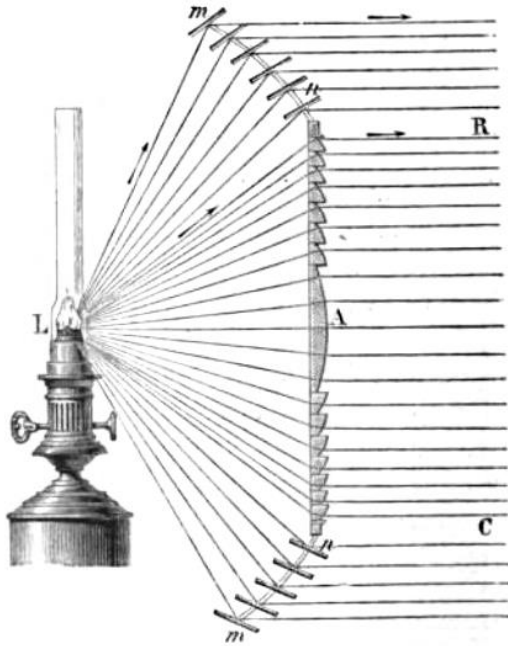
Güneş Kulesi Sistemleri



D. Fresnel Oluk Sistemleri



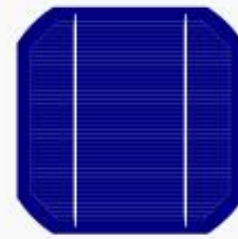
Fresnel Mekanizması



Fotovoltaik (PV) Güneş Enerjisi



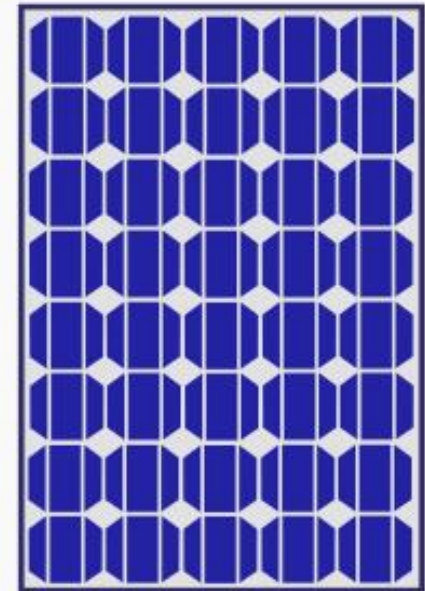
From a solar cell to a PV System



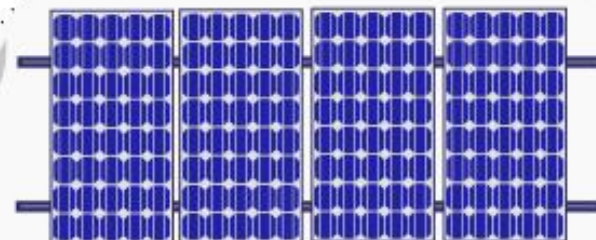
Solar Cell



Solar Module



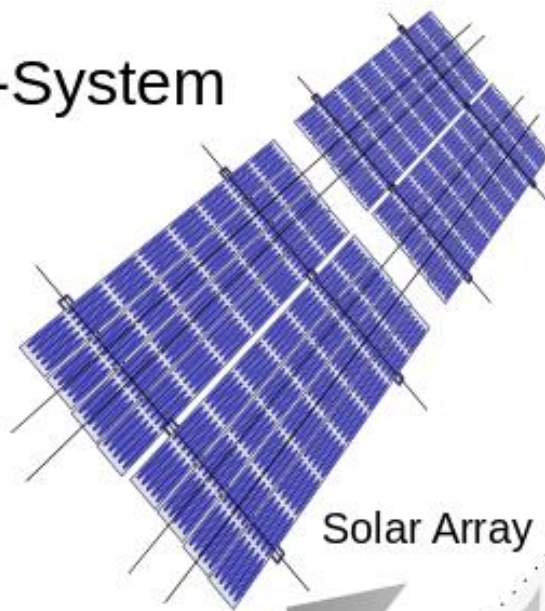
Solar Panel



Solar Array



PV-System



Tracking System

Electricity Meter

AC Isolator

Fusebox

Inverter

Battery

Charge Controller

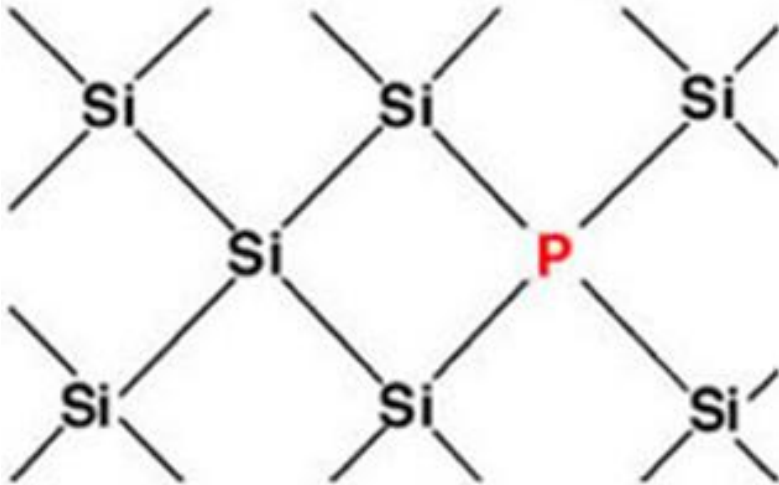
Generation Meter

DC Isolator

Cabling

Mounting

n-Tipi Yarı iletken



p-Tipi Yarı iletken

