



SUNGEN Solar
Enerji Sistemleri

www.sungen.com.tr

YENİLENEBİLİR. ALTERNATİF ENERJİ KAYNAKLARI

“RENEWABLE ALTERNATIVE
ENERGY RESOURCES”



FAALİYET ALANLARI

FIELDS OF ACTIVITY

- EPC
- TEDAŞ Projeleri
- Solar Tarlalar
- Bina Yüzeyi Entegre
- Çatı Uygulamaları
- Tarımsal Sulama
- ENH

HAKKIMIZDA

ABOUT US

SUNGEN Solar Enerji olarak , faaliyette bulunduğumuz “Alternatif Enerji Sistemleri” sektöründe anahtar teslimi kurulum ve kurulum sonrası işletme ve bakım hizmeti vermek, ihtiyaçlara yönelik en uygun çözümler bulmak ve müşteri memnuniyetini ön planda tutmaktır.

Sektörümüzde ülkemizin önde gelen firmalarından biri olmak nihai hedefimizdir. Yenilenebilir enerji sektöründe faaliyet göstermek amacıyla 2013 yılında Alman - Türk JV olarak kurulan SUNGEN SOLAR ENERJİ, uzun yıllar enerjinin farklı alanlarında hizmet vermiş olan girişimciler tarafından, Türkiye’de - Avrupa ülkelerinde; ürün tedariki projelendirme, mühendislik ve anahtar teslimi taahhüt hizmetleri vermek için kurulmuştur.

Uzmanlık alanı Fotovoltaik güneş sistemleri ile ilgili, sektörde önemli ve güvenilir bir tedarikçi olmayı amaçlamaktadır. Uzman kadrosu, enerji danışmanlığı, projelendirme, kurulum mühendisliği hizmeti vermektedir.

SUNGEN Solar Energy, in which we operate “Alternative Energy Systems” turnkey installation and OM, business and provides maintenance services, needs most appropriately find solutions and customer satisfaction in the forefront to keep.

Being one of the leading companies in our sector of our country is our ultimate goal.

SUNGEN SOLAR ENERGY was established in 2013 as German - Turkish JV in order to operate in the renewable energy sector, many years of energy in different areas have served by entrepreneurs who, Turkey in European countries; product supply, design, engineering and turnkey contracting services was established to grant.

Photovoltaic solar systems with areas of expertise in the industry; is intended to be an important and reliable supplier. Expert staff, energy consulting, design, installation provides engineering services.





Türkiye Genelinde **Toplam 39 ilde**
21 Bayii Ve 10 Teknik Servis

*A total of 39 provinces in Turkey 21 Dealers
And 10 Technical Services*



Bayii ve Teknik Servis
olan iller
*Provinces that has Dealers
and Technical Services*



Bayii olan iller
Provinces with dealers



Bayii ve Teknik Servis
Bölge iller
*Region provinces that has
Dealers and Technical Services*



KURUMSAL

Uluslararası Tecrübe ve Know How 'a haiz olan SUNGEN; 2013 yılından itibaren Türk-Alman JV Ortaklığı formasyonunda bir EPC(M) firması olarak Ülkemizde faaliyetlerine başlamıştır.

Proje Geliştirme- Ges Mühendisliği-Metodolojisi - TEDAŞ Projelendirme- Finansal Modelleme - AG/OG Çözümleri –ENH – Scada Otomasyon - Anahtar Teslim GES Santralleri Kurulumu - Uzaktan Müdahale OM Hizmetleri gibi Sektörün İhtiyaç duyduğu tüm alanlarda kendi deneyimli ve uzman kadrosu ile Müşterilerine hizmet vermektedir.

Bugün İtibari ile Türkiye'nin 11 Farklı EDAŞ Bölgesinde; tamamı anahtar teslim olmak üzere toplam 166,2 MW Gücünde Saha ve Çatı üzeri Ges Tesisleri kurmuş ve TEDAŞ Kabülleri ile devreye almıştır.

Yüksek Performanslı Proje Tasarımı ve Uluslararası Standartlara haiz Kaliteli Malzeme ve İşçilik ile bütünleşen SUNGEN Santrallerinden Yılda ortalama 300 Milyon kWh Temiz Enerji elde edilmektedir.

SUNGEN aynı zamanda Ankara Merkez ofisinden yönetilen MENA Bölgesinde aktif bir oyuncudur. 2015 yılından itibaren günümüze Birçok Uluslararası Projeye imza atmış ve bu kapsamda Finlandiya- Fas – Suudi Arabistan gibi Ülkelerde Temsilcilikler açmıştır

Yeni Nesil Pylon Direkleri için ADL Power ile MENA Bölgesi tek Yetkili Distribütörlük , Kuzey ve Batı Afrika Bölgesinde Proje Geliştirme ve EPC(M) hizmetleri için ENGIE Group Solar TEchnics ile 250 MW lık MOU imzalanmıştır, Odeon LLC(USA) ile Irak Bölgesi için 2 X 25 MW Saha EPC(M) , Al Salhia Union ile 10 MW Çatı Üstü EPC ve Hamad SUHAIL AL KHAILY EST. İle 10 MW Riyadh Çatı Üstü EPC(M) Sözleşmelerini imzalamıştır .

2019 Yılı içinde Endüstriyel Çatılar için Vakıf Katılım Bankası AŞ ile Çerçeve anlaşması imzalanmıştır. Bu kapsamda Ülke Genelinde " Enerji Güneşten Destek Vakıf Katılımdan " adlı kampanya ile KOBİ lere Peşinatsız 60 Aya kadar Taksitli Ödeme İmkânı sağlanabilmektedir .

Ülkemizin Temiz, Milli ve Ucuz Enerjiye biran önce kavuşması için Doğru ve Yüksek Performanslı Projeler Üretmeye devam etmekteyiz.

Türkiye'nin 21 Bölgesinde aktif Bayii Ağımız , 10 Bölgesindeki 7/24 çalışan Teknik Servis Hizmetleri ve Çağrı Merkezimiz ile Müşteri Memnuniyetini en üst seviyeye çıkarmayı arzu etmekteyiz.

CORPORATE

SUNGEN has International Experience and Know How; Since 2013, it has started its activities in Turkey as an EPC (M) company in the formation of Turkish-German JV Partnership.

Project Development - Ges Engineering - Methodology - TEDAŞ Project Designing - Financial Modeling - LV / MV Solutions - ENH - Scada Automation - Turnkey Power Plant Installation - Remote Intervention OM Services provides services to its customers with its experienced and expert staff in all fields required by the sector.

Today Turkey in 11 different Regions of EDAS Notional; Utility it has established a total of 166.2 MW Power and Field Ges Facilities on a turnkey basis and commissioned with TEDAŞ acceptance.



SUNGEN Power Plants, which are integrated with high performance project design and quality materials and workmanship with international standards, obtain an average of 300 million kWh of clean energy per year.

SUNGEN is also an active player in the MENA region, headed by the Ankara head office. Since 2015, it has signed many international projects and opened representative offices in countries such as Finland, Morocco and Saudi Arabia.

Exclusive agreement was signed with ADL Power for New Generation Pylon Poles with a single Authorized Distributor for MENA Region, MOU was signed with ENGIE Group Solar TEchnics for Project Development and EPC (M) services in North and West Africa Region, 2 X 25 for Iraq Region with Odeon LLC (USA) 25 MW EPC (M), 10 MW Rooftop EPC with Al Salhia Union and Hamad SUHAIL AL KHAILY EST. 10 MW Riyadh On Roof EPC (M) Contracts.

In 2019, a Framework Agreement was signed with Vakıf Katılım Bankası for Industrial Roofs. Within this scope, the "Energy from the Sun Support Foundation Participation sız campaign can be provided to SMEs in installments for up to 60 months.

We continue to produce accurate and high performance projects for our country to reach clean, national and cheap energy as soon as possible.

Turkey's 21 active dealers in our network in the region, with our 7/24 Technical Services and Call Center in Region 10, We want to maximize the level of customer satisfaction.

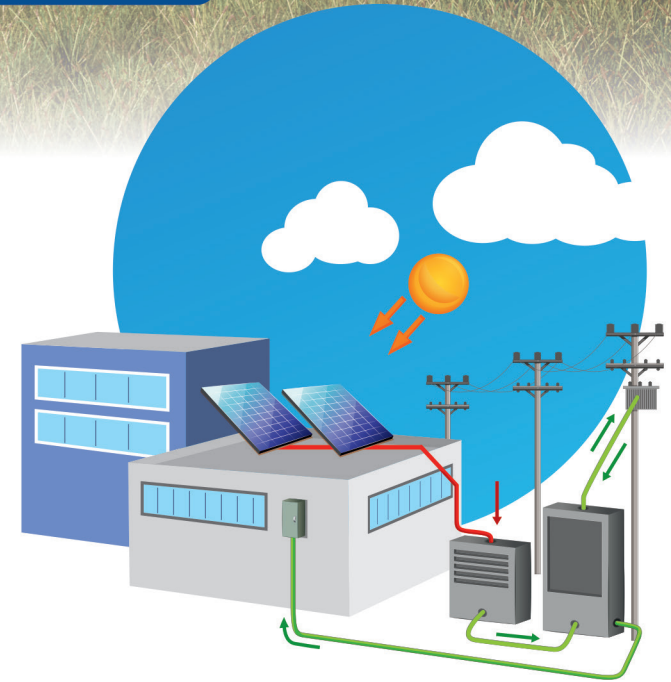
Enerji Güneş'ten

Destek Vakıf Katılım'dan

**Siz değerli iş ortağımıza
sunacağımız hizmetler ;**

- 1 Dağıtım Şirketi Başvuru Bağlantı Görüşü Hizmetleri
- 2 Sistem Tasarımı ve Proje Geliştirme Hizmetleri
- 3 GES Metodolojisi Mühendislik Hizmetleri
- 4 TEDAŞ Elektrik/statik Projelendirme Hizmetleri
- 5 Paket Proje Finansman Temini Hizmetleri
- 6 Satın Alma/tedarik - Nakliye ve All Risk Sigorta Hizmetleri
- 7 Şartnameye Uygun Ges Kurulum Hizmetleri
- 8 İnşaat ve Yapı Montaj Hizmetleri
- 9 Elektrik ve Mekanik Taahhüt İşleri Hizmetleri
- 10 İşçilik Hizmetleri
- 11 Teşvik Belgesi Temini Hizmetleri
- 12 GES Santrali Devreye Alma Hizmetleri
- 13 TEDAŞ Geçici Kabul Hizmetleri
- 14 Monitoring İzleme ve Raporlama Hizmetleri
- 15 Sisteme Uzaktan Müdahale Hizmetleri
- 16 Garanti Kapsamındaki Bakım Onarım OM Hizmetleri

*Bu kampanyamız
kapsamında
peşinatsız 60 ay'a
kadar vade imkanları
sağlanmaktadır.*



SUNGEN SOLAR

BAŞARI SIRRI

SUNGEN SOLAR KEY OF SUCCESS

TEMEL YETERLİLİK
CORE COMPETENCY

REKABET AVANTAJLARI
COMPETITIVE ADVANTAGES

ORTAKLIKLAR
PARTNERSHIP

SUNGEN®

1

Yüksek Performans
Uygun Fiyat Avantajı
High Quality
Low Price Advantage

2

Müşteri Memnuniyeti
Communication with customers

3

Sistem Sigortası
System Insurance

4

Finans Çözümleri
Finance Solutions

5

Güçlü Mühendislik Ekibi
(AR-GE)
Strong Engineering Team
(R&D)

- Güçlü Mühendislik Ekibi (AR-GE)
- Müşteri Memnuniyeti
- Finans Çözümleri
- Yüksek Performans Uygun Fiyat
- Sistem Sigortası
- Strong Engineering Team (R&D)
- Communication with Customers
- Finance Solutions
- High Quality-Low Price Advantage
- System Insurance



SUNGEN Solar
Enerji Sistemleri

ÇATI UYGULAMALARI

ROOFTOP APPLICATIONS



SUNGEN İle Endüstriyel Çatı Uygulamalarının Avantajları;

Advantages of Commercial Roof Top Applications by SUNGEN Solar;

- SUNGEN çatı uygulamalarındaki tasarımı ile standart saha tasarımlarına göre daha yüksek verim elde etmektedir.
- Uygulandığı bölgedeki estetik görünümü ile dikkatleri çekmektedir.
- Simülasyon çalışmalarındaki üretim değerleri, iş bitim sonrasındaki değerlerle birebir örtüşmekte ve böylelikle üretim garanti altına alınmaktadır.
- Ayrıca SUNGEN Solar Enerji Sistemleri çatı uygulamalarında kullanılmayan ölü alanları GES projesine en uygun hale getirmektedir
- Lineer üretim garantisi 25 yıl.
- Gelecekteki enerji fiyat artışlarından etkilenmez.
- Ödenmeyen elektrik faturasından kârlılık oluşturur ve 10 Yıllık Devlet Garantisi ile mahsuplaşma imkanı sağlar
- Kurulum maliyeti dışında herhangi bir ücret içermez.
- Enerjiye gereksinim duyulan bölgelerde kurulduğundan dolayı, enerji nakli veya taşıma gerektirmediğinden taşınma sırasında oluşan kayıplar ve maliyet azaltılmış olur



- *SUNGEN achieves higher efficiency than standard field designs with its design in roof applications*
- *It attracts attention with its aesthetic appearance in the region where it is applied.*
- *The production values in the simulation studies overlap with the values after the completion of the work and thus the production is guaranteed.*
- *In addition, SUNGEN Solar Energy Systems optimize the dead areas that are not used in roofing applications to the GES project.*
- *Lineer production is guaranteed for 25 years.*
- *It is not affected by future energy price increases.*
- *Generates profit from unpaid electricity bill and 10 Year Government Provides offsetting with guarantee.*
- *It does not include any fee other than installation cost.*
- *Since it is installed in areas where energy is needed, the losses and costs during transportation are reduced since it does not require energy transfer or transportation.*



FINANS ÇÖZÜMLERİ

Financial Solutions

Firmamız 'Yenilenebilir Enerji Kaynakları Projeleri'ne yapılan NRPFinansmanı hususunda uzmanlaşmıştır EPC Kurulum Firmalarının Finansal Piyasalar tarafından kabul görmesi güvenilirlik ve devamlılığın bir sonucudur.

Bu noktada SUNGEN Vakıf Katılım Bankası ile Ülke Geneli için Enerji Güneş'ten Destek Vakıf Katılım'dan Paket Proje Kampanyası başlatmıştır

Öztüketim ve mahsuplaşmaya yönelik Çatı ve Cephede kurulacak GES Santralleri için 60 aya kadar peşinatsız uygun vade ve şartlarda bu desteklerden faydalanabilirsiniz

Çatı tipi GES projeleri ile kendi iç elektrik ihtiyacınızı karşılayabilir, öz tüketiminizden arta kalan ihtiyaç fazlası elektriğinizi 10 yıllık alım garantisi altında devlete satabilirsiniz.

Elektrik faturanızı Öder gibi Taksitler halinde Çatınızda Sürekli Gelir getiren bir Enerji Santraliniz olsun , Enerji Birim maliyetlerinizi 25 kuruşlara indirin.

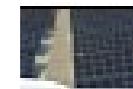
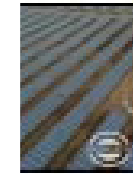
Our company specializes in NRPFinancing for enebilir Renewable Energy Resources Projects ' The acceptance of EPC Installers by the Financial Markets is the result of reliability and continuity

At this point, SUNGEN has initiated a Proje Package for the Participation Kamp Campaign with the Bank from Vakıf Participation Bank.

You can benefit from these supports in favorable terms and conditions up to 60 months for the GES Power Plants to be established on the Roof and Front for self-consumption and deduction.

With the roof type GES projects, you can meet your internal electricity needs and sell your surplus electricity left over from your own consumption to the government under the guarantee of 10 years purchase.

Have a Power Plant with Continuous Income on Your Roof in Installments like Pay Your Electricity Bill, Reduce your Energy Unit costs to 25 kW/kWh





EKOTURKA
1.196 KWp

KARBON SALINIMI & SERA GAZI AZALTIMI

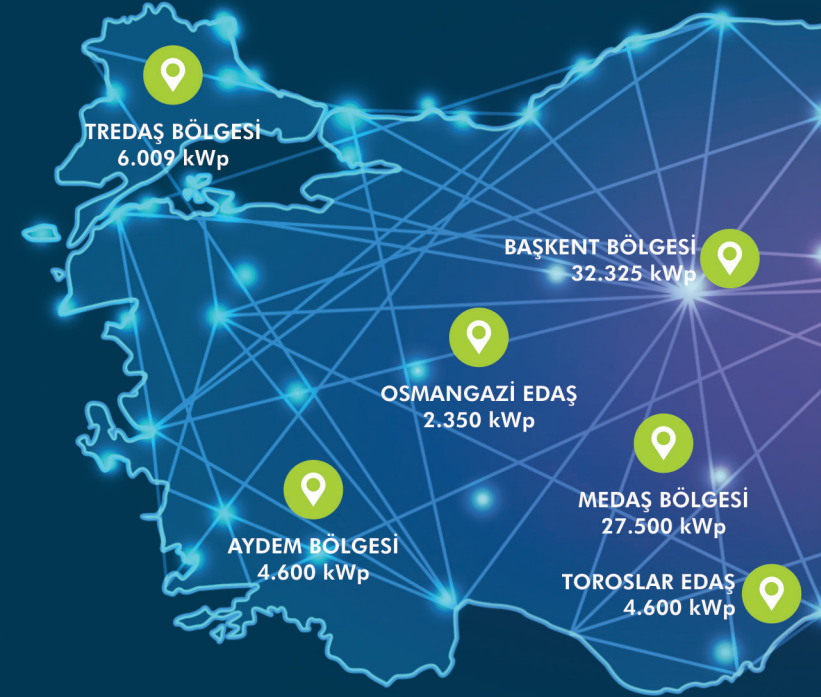
CARBON RELEASE and GREENHOUSE GAS REDUCTION

Fabrikanızda Güneş Enerjisi ile Elektrik Üretimi ile çevreci şekilde elektrik üretimi sağlayarak karbon salınımını azaltmanız mümkündür. Güneş Enerjisi sayesinde Sıfır karbon emisyonlu elektrik üretimi sağlamanız mümkündür. Elde ettiğiniz ekonomik kazançların yanında gelecek nesillere iyi bir miras bırakma , firma prestijinize de katkı sağlama fırsatını kolaylıkla yakalayabilirsiniz.

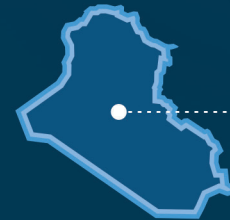
It is possible to reduce the carbon emissions by producing electricity in an environmentally friendly way with Solar Power Generation in your factory. Thanks to Solar Energy, it is possible to generate electricity with zero carbon emissions. Besides the economic gains you have achieved, you can easily catch the opportunity to leave a good legacy to future generations and contribute to your company prestige.

Türkiye'nin toplam 11 dağıtım bölgesinde 2.659.000 m² alan üzerinde 627.000 panel montajı ile 300.000.000 kwh yıllık enerji üretimini, SUNGEN SOLAR olarak sağlamaktayız. Türkiye genelinde saha ve çatı olarak 166,244 MW seviyesine ulaştık.

BM GES 7.200 kWp
SİNCİK 7.200 kWp
YUNUS EMRE GES 7.200 kWp
NİĞDE OSB GES 6.095 kWp
BEY GES 5.990 kWp
DIVGES 5.500 kWp
GMS GES 5.500 kWp
DOĞA GES 5.500 kWp
AKGEN GES 5.500 kWp
KASTAMONU 5.434 kWp
GÜN.D. GES 5.400 kWp
KVK GES 5.400 kWp
POLATLI GES 5.100 kWp
MMA GES 5.037 kWp
PH ENERJİ GES 4.200 kWp
SDR GES 4.200 kWp
K. GES 4.120 kWp
AYDAŞ GES 4.100 kWp
BEŞİR 3 GES 3.657 kWp
YUKARI KAMIŞLI 3.600 kWp
AGE GES 2.200 kWp
TÜZÜN GES 2.120 kWp



YURTDIŞI EPC HİZMETLERİ
EPC IN ABROAD



IRAK
AL SALİHA BAĞDAT 14 MW
SÜLEYMANİYE 2 X 25 MW



SUNGEN Solar
Enerji Sistemleri

A total of 11 Utility region within the 2.659 million m² area for a 627 000 pcs of panel mounting by having 300 million kWh of annual energy production in Turkey, we have completed the SUNGEN SOLAR. We reached a total of 166,244 MW established capacity (rooftop and solar farms).



DUBAİ
DUBAİ 10 MW



SUUDİ ARABİSTAN
SUUDİ ARABİSTAN 10 MW

EMMES GES 2.100 kWp
ÖZYIL GES 2.090 kWp
FIRAT GES 2.090 kWp
FIRATHAN GES 2.090 kWp
POLAT GES 2.090 kWp
FEHMi OTO GES 1.500 kWp
BÜŞRA GES 1.285 kWp
BEŞİR 2 GES 1.200 kWp
EKOTURKA GES 1.196 kWp
YAŞAR GES 1.090 kWp
AFZ GES 1.072 kWp
MİKRO GES 1.020 kWp
KORU GES 990 kWp
CENDER GES 990 kWp
YILDIZ GES 768 kWp
ÇİMEN GES 722 kWp
AKBULGUR GES 700 kWp
ROC GES 620 kWp
İGDAŞ GES 609 kWp
BOZGÜN GES 600 kWp
SUNGEN GES 600 kWp
ELPA GES 500 kWp
HMST GES 500 kWp
EREM GES 260 kWp
BOZGÜN GES 260 kWp
ÖZDOST GES 200 kWp

"Haritada, projelerin bir kısmına yer verilmiştir. Daha fazlası için iletişime geçebilirsiniz."



SUNGEN Solar
Enerji Sistemleri



İÇDAŞ
6.009 kWp



SUNGEN SUMMARY

SUNGEN Having this strong financial backing gives *SUNGEN* the capability to finance installations internally. *SUNGEN*'s vertical integration environment and strong investor relationships have enabled us to be a strong bankable option for all solar energy needs.

Our complete package of services and specialties allow our customer's to seamlessly customize their experience to fit each unique solar installment while working with a single company. This approach cuts out many complications and simplifies the project for the customer so that the emphasis can be directed towards maximum power production and high ROI. In addition *SUNGEN* understands the importance of competitive pricing and cost consciousness, fundamental elements contributing to our bankability.

SUNGEN is one of the leading solar integration companies with multi-megawatts installed in more than 166,244 MW solar PV power generating facilities located in the territories of Turkey These solar projects range from large scale solar farms to commercial rooftop applications; 85 MW in abroad *SUNGEN* engineering and construction team's long term relationships and partnerships with vendors allow us to bring the term quality to another level.



SOLAR TARLALAR

SOLAR FARMS

SUNGEN ,Alman Know How ve Türk Mühendisliğini ortak bir potada birleştirmek sureti ile Yüksek Performanslı Santraller kurmaktadır , 135 Adet parametrenin ayrı ayrı değerlendirildiği ideal optimizasyon GES Metodolojisi ve Mühendisliği ile Tasarım , malzeme tedariki, kurulum hizmetlerinin bir sonucu olarak farklı teknolojiler ve tasarımlar ihtiva eden anahtar teslimi EPC çözümleri sunmaktadır. Tecrübeli ve alanında uzman proje ekibimiz dünya genelinde EPC (anahtar teslim) projeleri tasarlama ve uygulama deneyimlerine sahiptirler. Global partnerlerimizle, müşterilerimize yüksek kalitede solar enerji sistemleri kurmakta ve işletmeye almaktayız. SUNGEN tarafından çevresel faktörler oldukça önemsenmekte ve her aşamada dikkate alınmaktadır

SUNGEN establishes High Performance Power Plants by combining German Know How and Turkish Engineering in a common pot, Ideal optimization, where 135 parameters are evaluated separately, GES Methodology and Engineering offers turnkey EPC solutions with different technologies and designs as a result of design, material supply and installation services. Our experienced and expert project team has the experience of designing and implementing EPC (turnkey) projects worldwide. With our global partners, we build and commission high quality solar energy systems for our customers. Environmental factors are highly regarded and taken into account by SUNGEN at every stage



**“ Türkiye’de en büyük
OSB iş bitirme projesi ”**

*“ The biggest in Turkey
OIZ work completion project ”*



NIĞDE OSB
6.095 kWp



Corporate Social Responsibility

SUNGEN considers corporate social responsibility as a way of managing its business in relation to all of its stakeholders. This means that achieving our economic goals and results is just as important as the way in which these results are obtained.

Total Commitment

We are committed to each customer by delivering quality installations and making "going solar" an effortless experience. We build customer loyalty by doing what we say we will do every time and on time. We believe the satisfaction of our customers is the best measure of our success.

We provide technologically advanced systems that provide value, cost effectively reduce energy consumption, are reliable, sustainable and meet expectations. SUNGEN Renewables long term relationships and partnerships with vendors allow us to bring the term quality to another level. SUNGEN has multiple preferred suppliers for panels, combiner boxes, inverters, and racking systems for our installations. Doing so allows us to install a PV system that we know will perform to the highest standards and at its maximum output.

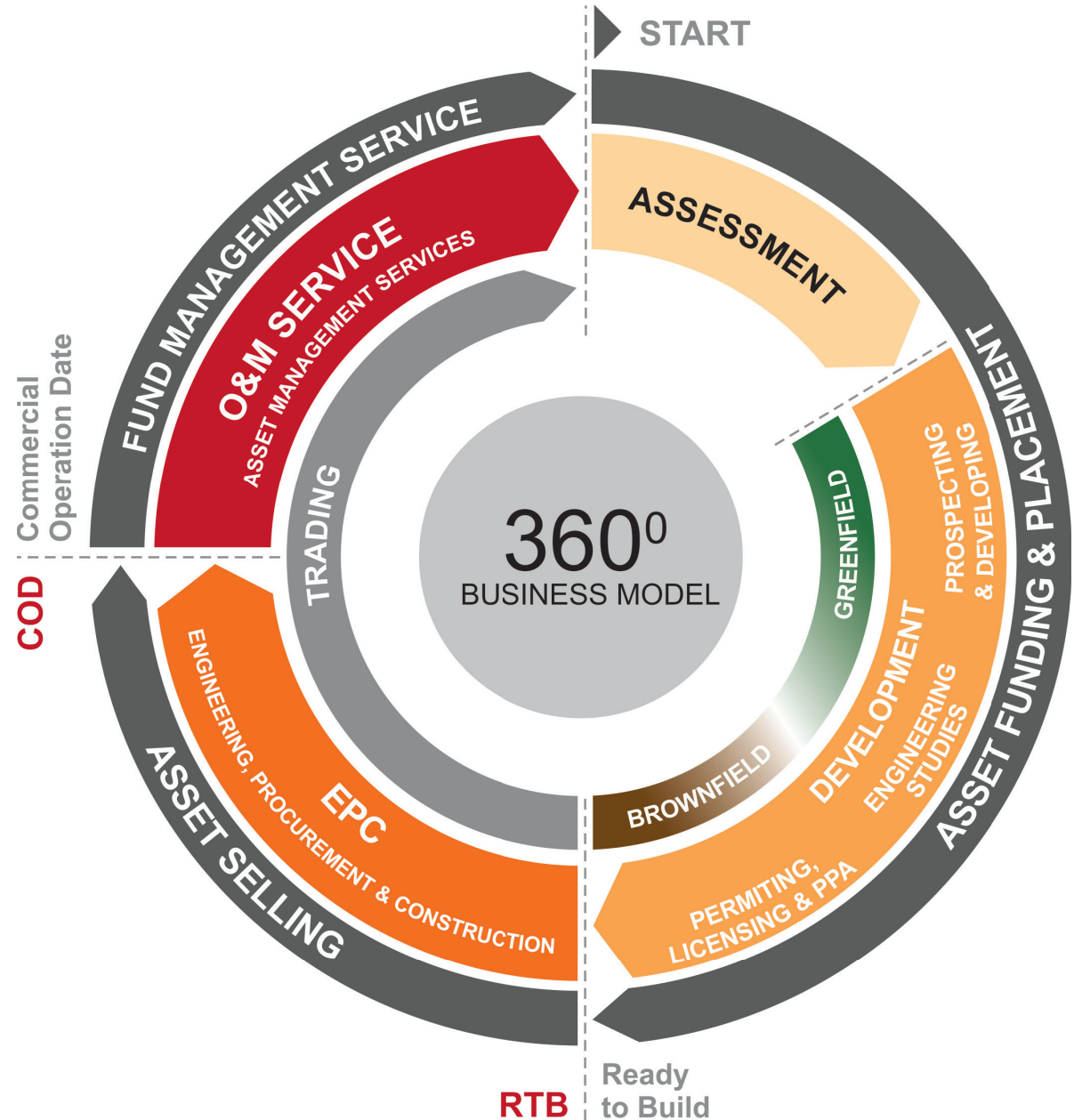
SUNGEN Engineering, Procurement and Construction Services

SUNGEN's engineering, procurement, and construction (EPC) team provides bankable, innovative, and reliable solar energy solutions to customers around the world. Offering "turnkey" working systems due to the set structures SUNGEN has in place, we are able to provide a complete spectrum of services for projects from viability studies to commissioning.

Complete Services

SUNGEN is capable of managing a project through financing, engineering, procurement, construction and beyond, SUNGEN's team of experienced experts can provide:

- Viability Studies
- Financing
- Permitting
- Project Development
- Engineering
- Construction





Single Point of Contact

As an inclusive EPC provider, SUNGEN is able to retain their position as a single point of contact for all solar energy needs.

SUNGEN'S in-house team of experts strives to produce top-notch and innovative solar designs by selecting components based on highest standards in reliability, extendibility and low failure rates. SUNGEN's comprehensive experience ensures cost effective engineering solutions for even the most complex projects. SUNGEN has the ability to deliver projects on-budget and on-time due to their immense experience providing global EPC services. This absolute efficiency and organization guarantees accelerated investment recovery in the long run.

Simple EPC

- Minimum Owner Effort
- One Point of Contact

- Simple, Uncomplicated to Monitor and Coordinate
- Straight-Forward Post-Commissioning Services
- Quality Assurance
- Owner Not Affected by Market Rise
- Investment Figure Known from Inception

Bankability

An EPC contract is a complex undertaking that involves various agencies and many integral components. SUNGEN Renewables far outshines other solar plant EPC contractors for one simple fact.

SUNGEN Delivers

- Complete Scope of Work
- Project Duration and Expectations
- Quality Products and Workmanship
- Cost and ROI Projections

SUNGEN Proprietary Monitoring System

SUNGEN's mission is to provide the best PV monitoring

system available in the market. In an effort to provide the most professional service possible to customers, the SUNGEN monitoring system is customizable to the client's specific needs, enabling all project goals to be met. The proprietary monitoring system focuses on accuracy and reliability to optimize energy output and strengthen client assets.

An In-Depth Look at the SUNGEN Monitoring Services

SUNGEN developed its proprietary monitoring system to embody all the needs of the customer and engineers involved in each solar system. Monitoring system allows for centralized monitoring, reliable and secure data storage, adaptability to any size installation, and immediate access to alerts, updates, and current conditions at the site. Unlike other systems which only manage monitoring of the inverter, SUNGEN has the ability to monitor each individual module on a solar array and can detect issues down to the string level. This detailed approach allows the solar farm to remain resilient to environmental factors. The comprehensive capabilities of the monitoring system

produce maximum financial and energy returns and minimal expenses.

The monitoring system enables continuous viewing of pertinent data at a glance and the high level of customization permits each site to have a specifically tailored system. Daily graphs are displayed representing the essential parameters, including power, current, voltage and irradiation. Integral data is also at hand, such as energy reports which amplify the energy of each inverter and the total energy of the plant. The system can detect various problems which become alerts signaling the need for inspection, locating the issue down to the string line. The monitoring system software is highly maneuverable and incorporates an easy-to-use web application interface that can be accessed from anywhere in the world, enabling engineers to make crucial adjustments to maximize energy production. The web interface is extremely understandable and effective from SUNGEN and the customer's perspective. An advanced CPU and central server are installed on the site to read and store

data, facilitate tasks, and manage the user connections to the monitoring system. SUNGEN strives to simplify the experience of going solar, and the monitoring system is a vital component in the process.

SUNGEN Monitoring System Advantages

The main advantage of monitoring software is complete and total functionality.

- **Software Upgrades & Licenses** – SUNGEN has the ability to offer a software upgrade kit to keep the system up-to-date with the customer's needs. SUNGEN holds the licenses and rights to the software and, therefore, can edit the program at any time as well as provide hands-on tutorials with the web interface for customers.
- **Quality Assurance** – Due to SUNGEN's independent development of the system, all SUNGEN engineers are qualified to perform installation of the software and other related equipment, ensuring quality and immediate action to any maintenance issues.
- **Software Service Agreement** – Software support

is offered for duration of two years including automatic system upgrades, on a needed basis, to fix any problems that may arise.

- **Expert Support Team** – SUNGEN is the absolute expert in the inner workings of the proprietary system. This enables the customer to feel completely at ease in letting SUNGEN take on the full complexity of their project.

Assists in Asset Management

- Manage Stock Inventory
- Predict Future Costs
- Access from Anywhere in the World
- Mine Data
- Trend Costs & Projections
- Produce Quick Budgets on Site
- Access Live Data
- Create Detailed Reports
- Generate Work Orders



ÜRÜN SERTİFİKALARI

CERTIFICATE OF PRODUCTS

Sistemlerimizde kullandığımız ürünlerimiz, güvenilirlik, dayanıklılık ve kalite testlerinden tam not almıştır ve TUV Intercert, TUV Rhineland ve UL belgelerine sahiptir. Ayrıca ürünlerimiz aşağıdaki belirtilen ve uluslararası kuruluşlar tarafından belirlenmiş olan sertifikalara da sahiptir.

IEC 61646 - IEC 61215 - IEC 61730 - UL 1703

Ürünlerimiz, sistem aksaklıklarında ki oluşabilecek kayıplarının oluşmaması için garanti şartı ile beraber, tüm riskler, dolaylı zararlar ve en önemlisi panel üreticisinin vereceği üretim kaybı performans kaybı sigortası ile belgelendirilmiştir.

in order to comply with safety, reliability and quality standards, the products used in our systems are certified by accredited laboratories such as TUV Intercert, TUV Rhineland and UL. According to the guidelines set by international bodies, our products are certified by the following standards :

IEC 61646 - IEC 61215 - IEC 61730 - UL 1703

Our products, system failures that may occur in the guarantee requirement to avoid the loss, together with all risks, consequential damages and most importantly, will the panel manufacturer's production loss insurance is documented by loss of performance.



YENİLENEBİLİR. ALTERNATİF ENERJİ KAYNAKLARI

“RENEWABLE ALTERNATIVE
ENERGY RESOURCES”



FAALİYET ALANLARI

FIELDS OF ACTIVITY

- EPC
- TEDAŞ Projeleri
- Solar Tarlalar
- Bina Yüzeyi Entegre
- Çatı Uygulamaları
- Tarımsal Sulama
- ENH



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