



شرکت آسان انرژی فراگیر

Leader in Design, Supply, & Installation of Solar Power Plants

## ABOUT US

Asun Energy, utilizing the extensive knowledge and experience of its managers and experts in the fields of Electricity, Oil, Gas, Petrochemicals, Mining, Steel, and Telecommunications industries, has been established with the aim of professional and focused activity in the Renewable Energy Sector. The company's mission is to collaborate in the development of Solar Power Systems of Industrial Park & Mid-Scale Plants.



## SERVICES

### » EPC

Asun Energy, as an EPC contractor, assumes full responsibility for solar power plant projects from the conceptual design stage to commissioning and final handover. Our focus is on integrated project management, strict cost control, adherence to scheduling, and quality assurance at every stage.



### » ENGINEERING

Asun Energy, using up-to-date software and international standards, provides design and engineering services for both On-Grid and Off-Grid solar systems. Our goal is to optimize system performance, reduce costs, and increase energy efficiency.



# SERVICES

## »» INSTALLATION & COMMISSIONING

Asun Energy, with its team of skilled and experienced experts, carries out the installation and commissioning of solar systems in full compliance with global standards and within the shortest possible timeframe. The installation process is designed to ensure optimal system performance under all environmental conditions. We use the latest equipment and execution methods to guarantee precise and safe installation, bringing projects to the operational stage at the highest quality level.

## »» OPERATION & MAINTENANCE (O&M)

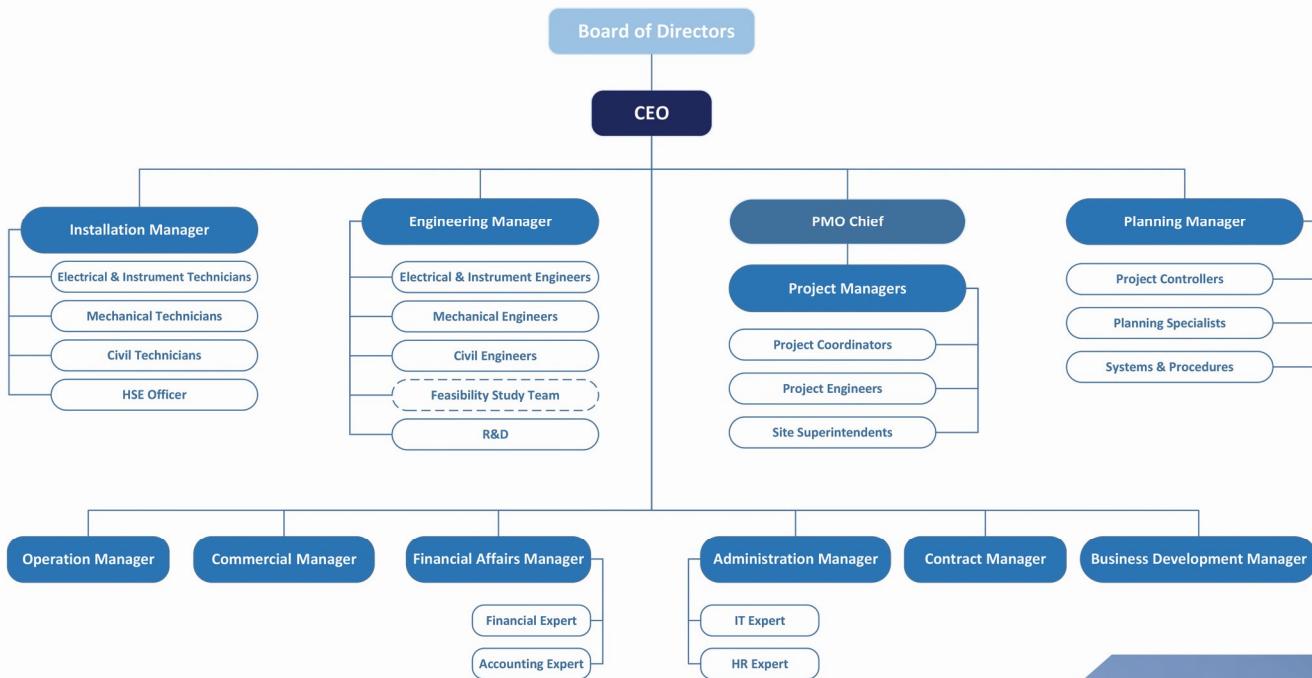
Following system commissioning, Asun Energy provides optimized operation and maintenance services to guarantee continuous performance and long-term efficiency. Our technical team conducts periodic inspections, repairs, and troubleshooting to maximize the lifespan and performance of the systems. Through continuous support and monitoring services, we ensure that the systems operate effectively and without interruption at all stages of their lifecycle.

## »» OPERATION & MAINTENANCE (O&M)

In collaboration with reputable international suppliers, Asun Energy procures the main components of solar power plants—including solar panels, inverters, mounting structures, cables, and connectors—with the highest quality and in line with the latest global standards. By offering valid warranties and after-sales services, we provide our clients with peace of mind.



# ORGANIZATION CHART:



## »» Chief Executive Officer (CEO)

Responsible for the project, strategic policymaking, and coordination across all departments.

## »» Project Management Office (PMO)

Project Manager.

Project planning, scheduling, and budgeting.

Monitoring progress and ensuring coordination between departments.

## »» Engineering, Technical, and Execution Departments

Comprising the following units:

### » Civil Engineering and Execution Teams:

Design and site preparation for plant construction (foundations, infrastructure, and structures).

### » Mechanical Engineering and Execution Teams:

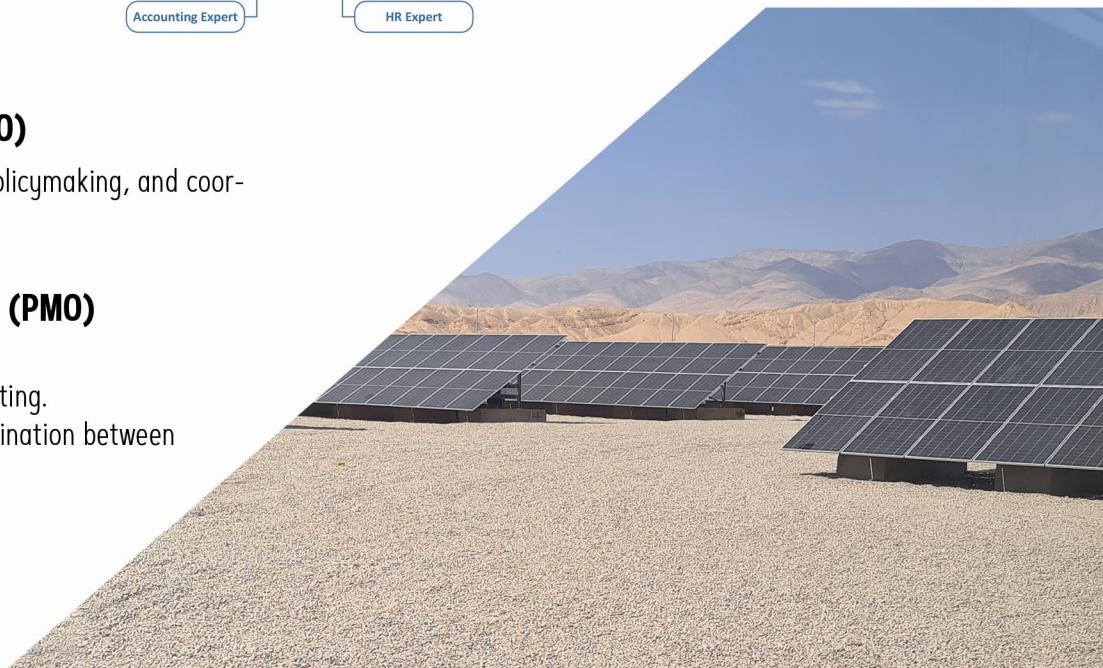
Design and installation of mounting structures for panels and mechanical equipment.

### » Electrical and Instrumental Engineering and Execution Teams:

Design and installation of electrical systems, including panels, inverters, grounding, substations, and grid connection.

### » Inspection and Testing:

Monitoring and evaluating the quality of equipment and its installation.

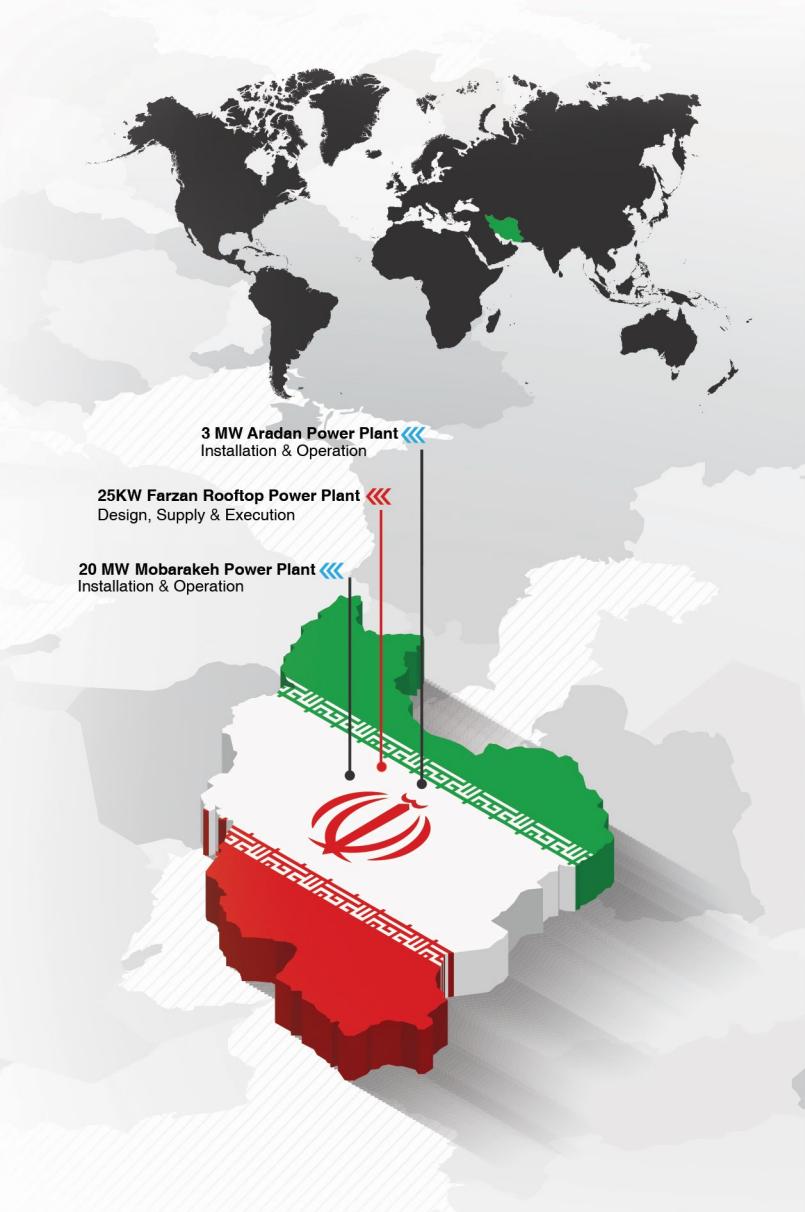


## Machine & Equipment:

aSun Energy, relying on its strong equipment and logistical capabilities, is fully prepared to execute solar power plant projects at various scales. The company has full access to machinery such as cranes, solar pile ramming machine, loaders, and excavators, and possesses all specialized and logistical equipment required for solar project execution (including site cabins and power generators), enabling the simultaneous operation of multiple work fronts. In addition, aSun Energy is capable of promptly procuring and deploying any additional machinery and equipment required for each project, depending on project-specific conditions. This robust equipment infrastructure, combined with an experienced execution team, ensures high operational capacity, efficient project delivery, and superior quality outcomes.



## PROJECT IN PROGRESS or COMPLETED:



## PROJECT COMPLETED:

### » 3 MW ARADAN Power Plant:

- Number of Installed Panels: 5244
- Panel Brand: Yingli Solar - YL575-50e 1/2
- Number of Installed Inverters: 23
- Inverter Brand and Model: Sungrow-SG-125-CX-2P
- Number of Transformers / Compact Substations: 2
- Transformer / Compact Substation Rating and Model: Iran Transfo - 1600kVA
- Total DC Cable Length: 22000 meters
- Number of Mounting Tables (Structures): 138
- Power Plant Area: 4.5 hectares



### » 25KW Farzan Rooftop Power Plant:

- Number of Installed Panels: 32
- Panel Brand: Jinko Solar - JKM720Nβ66HL5
- Number of Installed Inverters: 2
- Inverter Brand and Model: Farzan
- Total DC Cable Length: 1500 meters
- Total Length of Rooftop Mounting Rails: 100 meters



## PROJECT IN PROGRESS or COMPLETED:

### » 20 MW Mobarakeh Power Plant:

- Number of Installed Panels: 28512
- Panel Brand: Trina Solar TSM-NEG21C.20 695-720W Topcon
- Number of Installed Inverters: 66
- Inverter Brand and Model: Huawei-330KTL-H2
- Number of Transformers / Compact Substations: 3
- Transformer / Compact Substation Rating and Model: HUAWEI MV Station / Jupiter-6000-H1
- Total DC Cable Length: 80000 meters
- Power Plant Area: 20 hectares



## OTHER EXPERIENCE of ENGINEERING & INSTALLATION:

» Installation of 2.5 MW solar power plant of ABARKOOH 1

» Installation of 2 units of 3 MW solar power plant of ABARKOOH 7 & 8



## HEADQUARTERS

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