



**VEE SECURE**

# SOLAR POWER SOLUTIONS

BUILDING A WORLD  
OF OPPORTUNITIES  
IN SOLAR ENERGY





Vee Secure is positioned to meet the challenges of the rapidly growing global solar market

# ABOUT Vee Secure

VEE SECURE is the leading organization in the industry to provide our clients with the best quality Solar Energy Project Installation Service. Vee Secure has worked on more than 1MW EPC projects in various locations of Gujarat. We have worked for more than 5 MW INC Projects, Vee Secure has worked on 1MW single huge project over one roof.

## Total Solutions

In the project, we install highly efficient solar panels for generating renewable energy for different purposes. We inspect, design, and then construct the solar panel system capable of harvesting maximum electricity for the respective application.

We are a service provider for solar system projects. We provide I&C services in solar Residential, Industrial, and Ground Mounted Projects. We assure you, you will certainly benefit from our services. So for any inquiry please feel free to contact us.

## Our Clients

The first step of our EPC project is to inspect the area of application and take reasonable factors into account to outline a plan. Further, we develop a design employing top-notch technology that helps to yield the best possible solar energy through a solar panel system. Once the design is procured, we begin to construct an entire solar panel system on the respective site and endeavor to complete it in the stated timeline



# WHAT WE DO

We have the experience and capacity to support solar projects from inception, throughout the development and construction stages and for the complete lifetime of the plant.



## Development

Based on our substantial project development experience, we selectively target project development opportunities. We aim to add value through a collaborative approach with local and international developers and investors.

- Site identification and assessment
- Energy yield studies & optimization
- Environmental permits
- Electricity grid interconnections
- Planning and building permits
- Project Development agreements
- Greenfield & Brownfield Development
- Project Pipeline Acquisition
- Financial feasibility
- Power Purchase Agreement Analysis
- LCOE optimization



## Engineering, Procurement & Construction

Vee Secure is a leading contractor providing complete turn-keysolar power solutions for utility scale PV projects. We offer both full EPC scope including panel supply, as well as EPC for balance of system (BoS) according to client needs.

- Full turn-key EPC responsibility
- Optimized in-house engineering & design
- Procurement strategy based on approved tier-1 suppliers
- Energy storage integration and hybrid solutions
- Electrical substations and grid interconnections



## Operation & Maintenance

We are experts in O&M for solar power plants, offering a full range of plant monitoring, preventive and corrective maintenance services backed up by appropriate contractual guarantees depending on customer requirements.

- Preventive maintenance programs
- Spare parts management
- Corrective maintenance
- 24/7 remote plant monitoring
- Plant availability guarantees
- Information management and reporting



# OUR COMPETITIVE ADVANTAGES

## **Experts in project execution**

Successful implementation of utility-scale solar power projects demands highly effective project management and planning from commencement up to hand-over to the client. Vee Secure is successful because the entire organization is highly focused on project execution.

## **Engineering expertise**

Our experienced in-house engineering resources enable Vee Secure to respond flexibly and responsively to project specific requirements. We are highly experienced not only in solar power plant design, but also in engineering solutions for grid interconnections including state-of-the-art electrical substations.

## **Reliable Partner**

We are proud to have successfully delivered major solar power projects to Vishwanath, ARK, Radhe Krishna, Kataria.



We apply our industry knowledge and engineering capacity to bring the potential of solar to the world

# TOTAL SOLUTIONS

## Utility Scale Solar Power



Vee Secure has extensive experience in utility scale solar; including both ground-mounted systems and large roof-top installations. Our ground-mounted experience extends across all kinds of terrain, including complex sites with high degree of inclination and demanding ground conditions. With our in-house engineering capacity, we provide optimized solar plant designs for each project - taking account of specific site and local ambient conditions.

Vee Secure solar power plants utilize well proven equipment from tier-1 suppliers. We have extensive experience in application of both string and centralized inverters, while we offer both fixed installations and single-axis tracker systems depending on project requirements. All installations are carried out under the supervision of Vee Secure experienced project engineers.

## Electrical Infrastructure



Vee Secure ensures that your solar project is designed and delivered with all necessary electrical equipment and infrastructure to ensure a reliable integration with the electricity grid. We have the capacity and experience to provide full turn-key electrical substations, with the latest protection and automation systems. Our substation experience extends from medium voltage up to 400kV, to cover all possible grid integration schemes.

Our substation designs ensure successful grid integration by taking full account of national grid code requirements, active/reactive power and grid stability issues. We also ensure that the required telecommunications infrastructure is in place to provide a fast and reliable connection between the PV plant substation and the grid operator.

## Energy Storage



We provide large-scale battery based energy storage solutions, both integrated with solar PV plant and stand-alone. Apart from the ability to store and deliver energy on demand, the responsiveness of battery systems makes them ideal to provide network operators with innovative solutions for frequency response which help to stabilize electricity grids.

Energy storage systems are generally supplied in modular designs, which are easily scalable and are able to deliver multi-MW output. In order to successfully apply battery technology in utility scale applications we apply sophisticated control concepts with automated battery management systems.

## Hybrid Systems



Hybrid power generation systems combine solar power generation with conventional forms of power generation and energy storage technologies, to enable a reliable supply of high quality electricity, either to the network or to off-grid consumers such as mines. These solutions enable the user to significantly reduce the cost of expensive fuel, such as diesel, while ensuring that the power plant output is fully controllable to match the required demand profile.

Building on the group's extensive experience in thermal power generation, Vee Secure is well placed to provide hybrid power generation solutions to match project needs.

# Get Ready to be served by Sun

Our Reference Projects are testament to our success in delivering solar power plants to leading investors in the PV sector.

Vee Secure has a portfolio of 6MW of successful projects in Gujarat and Rajasthan.





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