



WEL-COME

ARTEK SYSTEM PUNE

Providing Complete Solution In Power, Around The Globe

(JV PARTNER OF FINANCER AMALTHEIA U.K.)

C A P I T A L



What We Are

We are a Professional Power plant EPC Company, launched in the year 2010, at Pune, the hub of Power industry, with innovative visions in the Energy arena. We are a leading, next-generation Technology Company with strong business interests in Solar & Thermal Based Power Plants. Our wide range of services includes Engineering, Designing, Erection, testing & commissioning.



We don't just design and develop concepts, but we transform them to powerful business channels.

“ We add value to your Power!”

Vision & Mission

Our vision and mission is an amalgamation of our corporate philosophy and our motto of providing next generation Power Projects & Engineering services. To envision, design and construct the most magnificent Power plant and development services; to contribute tangibly in overall success of our customers and provide highest Return on Investment to our customers. Quality, Customer Satisfaction, Transparency and Corporate Responsibility are the pillars of our vision and mission and form.



the cornerstone of our approach that we bring to every engagement. In short our Vision & Mission can be easily summed up as

“To use our industry insights and realm experience to our advantage and provide innovative, high quality, superior and cost effective solutions that brings overall growth to our customers.”



Our Success



Each of our projects starts with the simple question “How will you measure the success of this project?” Success is critical to our team; whether that success comes in the form of happy clients, loyal site users or solid metrics. To help us better understand the challenges of your project we try to establish not only the goals but what are your current returns, challenges and the opportunities for growth.

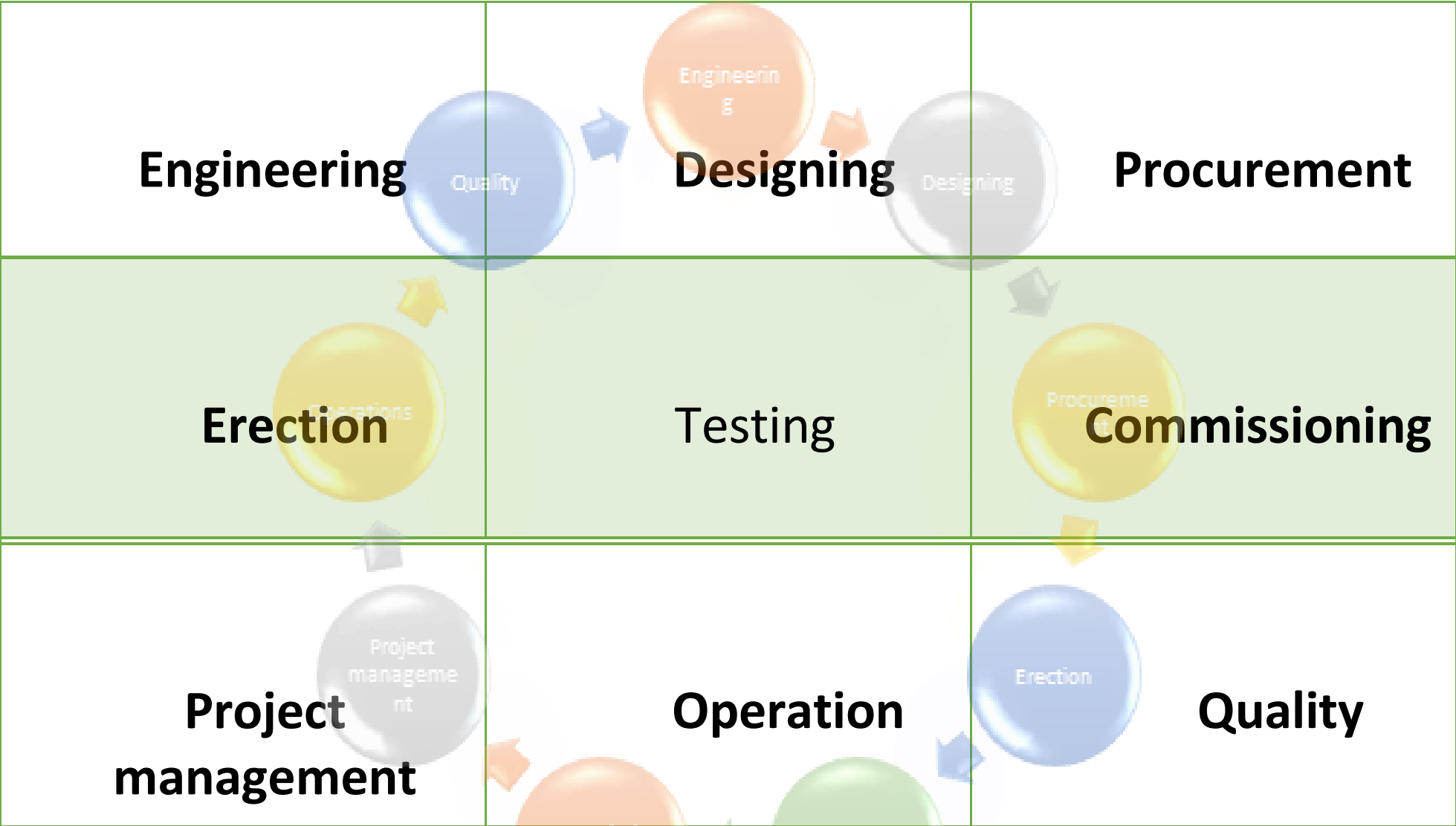
Our approach has yielded many successful sites and happy customers over the years.

We hope you'll be next!

Our Skills

Artek System is a company where every solution and service is Standard & customized to suit client requirement. Our Power Plants & wide range of services that we provide speak volumes about the skills we possess. Artek System Sub venders and resources possess strong industry knowledge and expertise. With a strong focus on reviving the Solar & Thermal Power Plants, Artek System intends to use its skills and bring a brand new approach to the industry.

Available to You!



Our Products

Artek System has a mature understanding and extensive experience in power plants. We provide wide range of Power plants as under;

- 1. Solar PV Power Plant from 10 KW to 500 MW**
- 2. Solar Thermal Power Plant from 5kw to10 MW**
- 3. Steam Turbines Power Plant from 50 KW to 50 MW**
- 4. Hydro Power Plant from 350 KW to 80 MW**
- 5. Automation of process**
- 6. Power Management of System.**
- 7. Solar street lights.**
- 8. Solar Pumping systems.**

Our Specialty

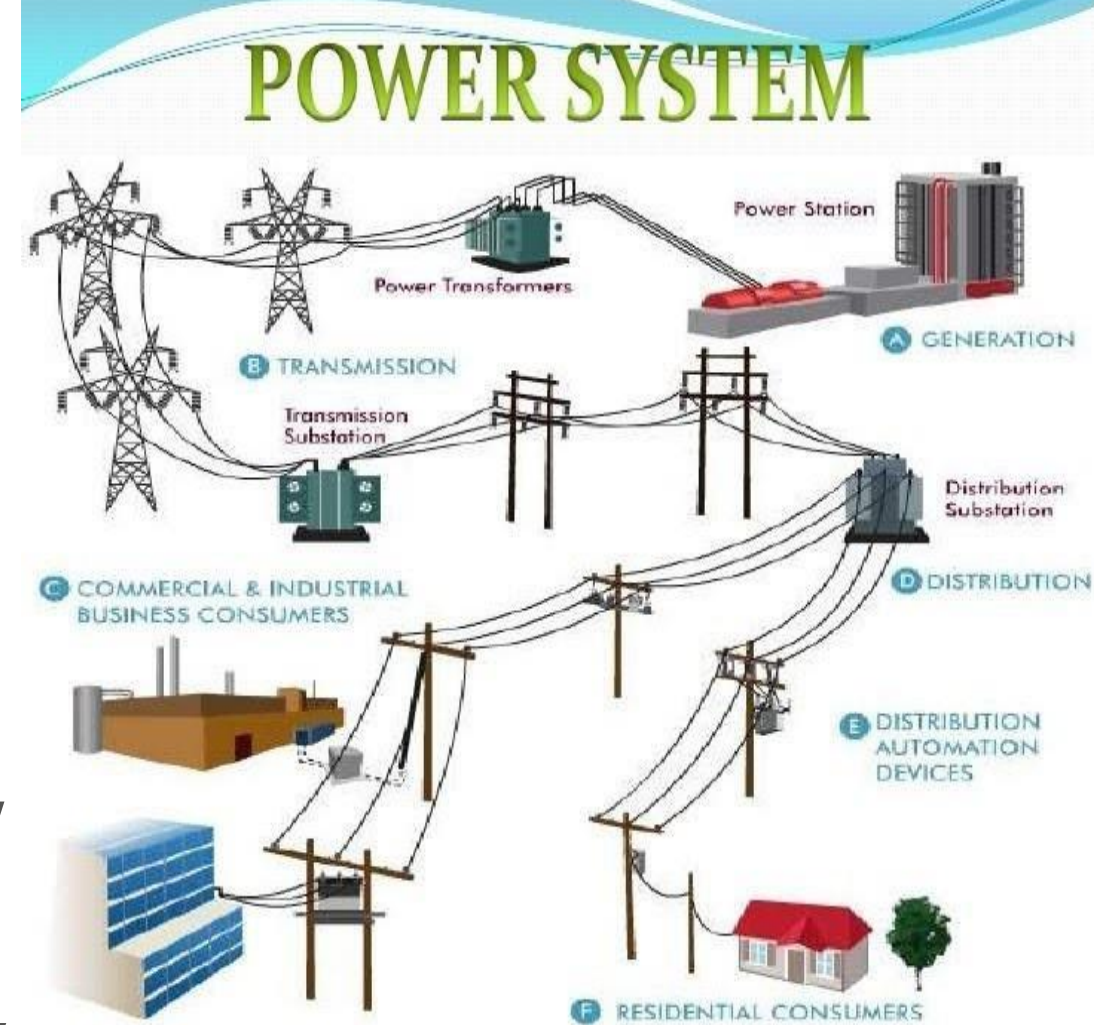
We provide our in-house designing & development services for;

Equipment

1. HYDRO/Solar Power Plant (Ranging from 1000 W to 100 MW)
2. Steam turbines (Ranging from 10 KW to 50 MW)
3. Automation & Control Panels
4. PLC Panel, SCADA & Industrial Automation
5. LV / HV / EHV indoor and outdoor switchyard
6. Power control centers
7. Motor control centers
8. Generator control, protection & metering panels
9. Generators, Motors & transformers
10. Power & Energy Management Systems
11. Solar Products

System Studies

1. Power system studies,
2. Load flow/fault current calculations
3. Relay setting calculations and co-ordination.
4. Auditing of Electrical systems/
Human safety/ Equipment safety/
Statutory Audit, Energy Audit & Pressurization/
Ventilation system



Our Specialty

Engineering and Design

- **Site Study,**
- **Technical Data/ specification Collections**
- **Project Estimation,**
- **Preparation of equipment specification & Bill of materials, Designing of equipment selection & Sizing of preparation of project engineering drawings, such as,
Single line diagrams, Layouts, lighting system, Trench system, Cabling, Lightning protections, earthing systems, as built preparation for project data base.as built preparation for project data base.**

A. SUMMARY:

This section explains the methodology to be followed and the Organization that shall be put in place to execute projects of this nature in a very efficient manner within the agreed Schedule.



B. PROJECT SCHEDULE:

The project shall be divided into 3 phases as given below:

- Detail functional design.
- Technical design.
- Implementation.
- Acceptance test.
- Site activities.



C. KICK-OFF-MEETING:

The KOM agenda shall include the following items as a minimum:

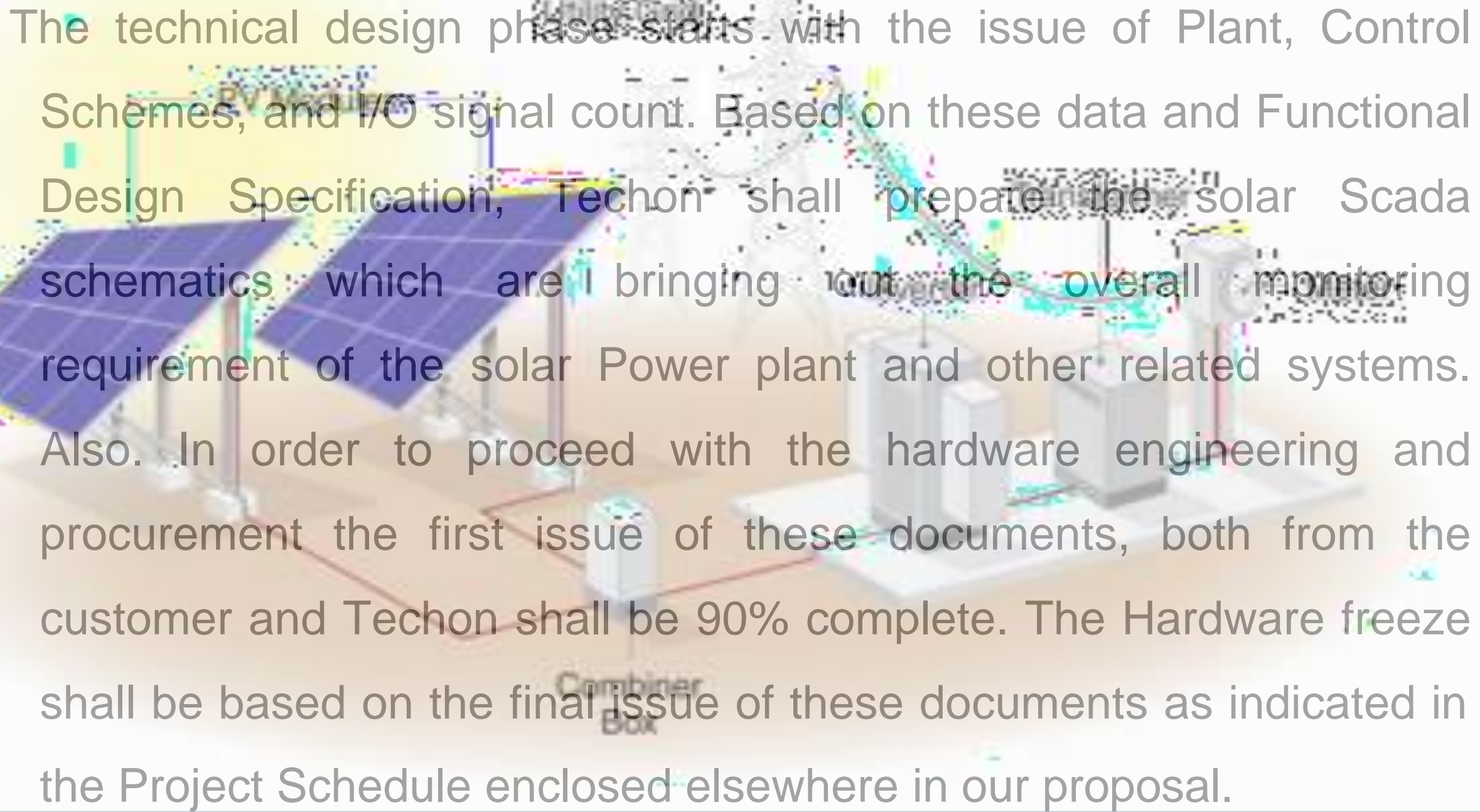
- Project detail discussion with customer and Techon.
- Identification of major deliverables such as hardware/software, documentation and services.
- Schedules.
- Quality plan.
- Review of commercial terms including payment schedules, and shipping terms.



D. Detailed Functional Design Phase:

Upon completion of KOM, Techon will take up the preparation of the Functional Design Specification document for the entire complex. The contents of the Functional Design Specification document shall be generally in line with typical contents furnished by the customer. The Functional Design Specification document shall be prepared based on the Index of the document approved by the customer and preliminary data/information available from the customer.

E. Technical Design Phase:



The technical design phase starts with the issue of Plant, Control Schemes, and I/O signal count. Based on these data and Functional Design Specification, Techon shall prepare the solar Scada schematics which are bringing out the overall monitoring requirement of the solar Power plant and other related systems. Also. In order to proceed with the hardware engineering and procurement the first issue of these documents, both from the customer and Techon shall be 90% complete. The Hardware freeze shall be based on the final issue of these documents as indicated in the Project Schedule enclosed elsewhere in our proposal.

During the Technical Design phase, the following engineering documentation shall be prepared by Techon and submitted to the customer for their approval.

- I/O assignment.
- Logic diagram.
- Custom display layout.
- Point/Tag Database.
- Panel arrangement drawings.
- Report Summary

The approval of this documentation will mark the end of the technical design phase.

F. Implementation:

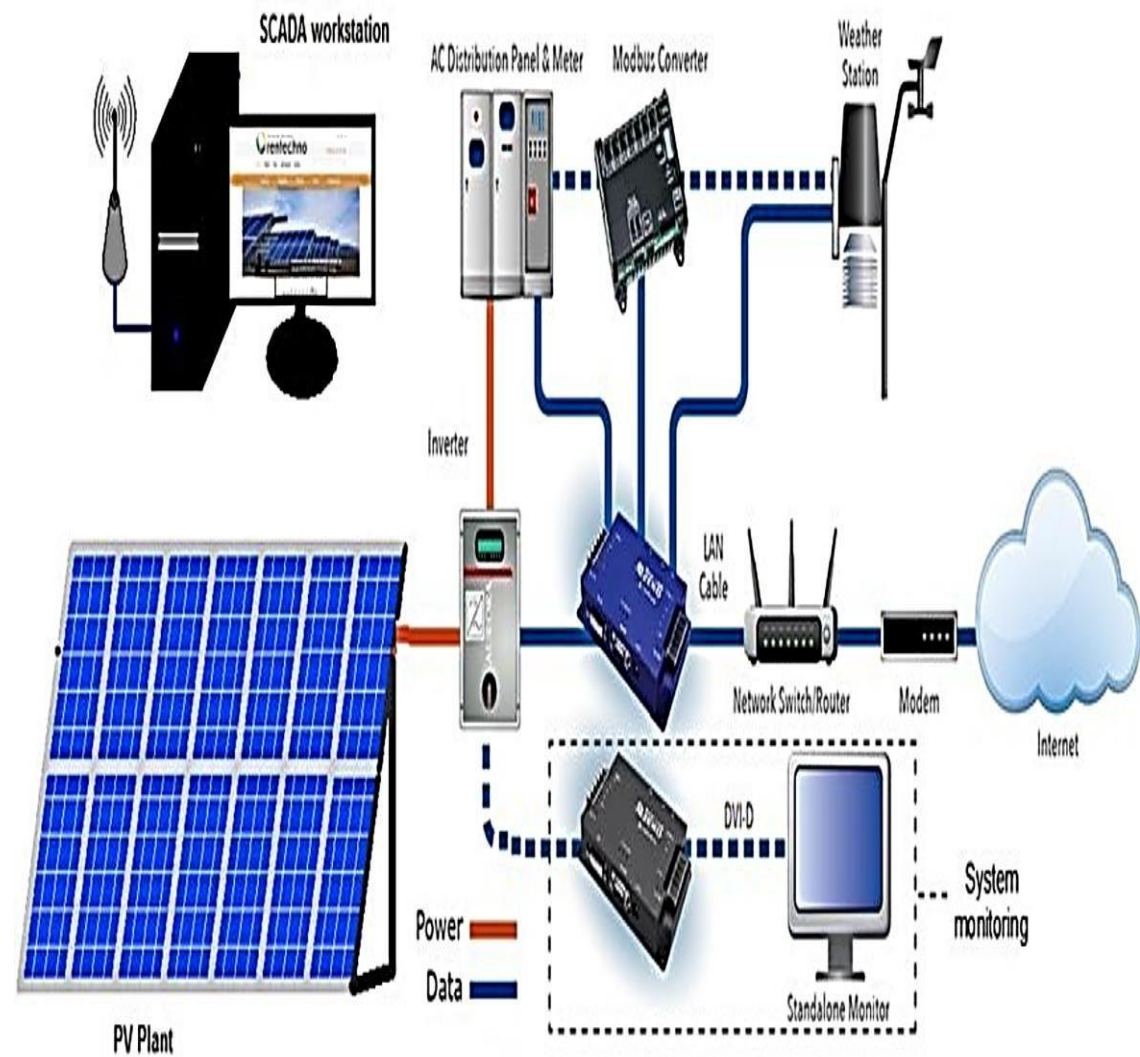
The implementation phase starts upon approval of the technical design documents.

This activity will be carried out by Techon by manufacturing all the target hardware and implementing/ testing all the software based on the approved technical design documents.

G. Site Activities:

We have included in our proposal supervision support by Techon personnel for the site installation, and commissioning activities. In view of pre-fabricated cables being used for interconnection, the overall site installation / powering-on of the Solar Scada Panel shall take an approximate period of 2 weeks per Control System per unit. Site Acceptance Test shall then be for the duration same time

We would like to highlight here that, Artek has rich experience in executing site erection contracts. Artek's experience includes installation and commissioning of both control systems and field instrumentation in solar SCADA.



Project Management



- Bid Documentation,
- Bid Evaluations,
- PERT Control,
- Review of vendor Drawings & Approval etc.,
- Material Procurement Assistant,
- Third Party Inspections.

Manufacturing

- Automation & Control Panels
- Protection Panels
- LT & HT Switchgear Panels
- Solar Street lights
- Solar Pumping systems.

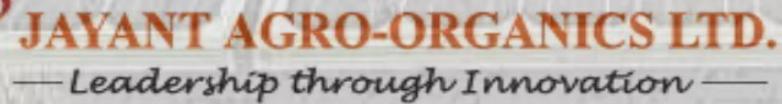
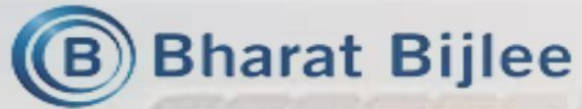


Infra

Our Team having in depth knowledge of following software tools

E tap 7.0	Auto cad 2020 Electrical	Auto cad MEP
Mat lab	Primavera	CESER II
PDMS	MS Project	In-house developed soft wares

Clients



MAJOR CLIENTS

Project	End Client	Capacity
Solar	L & T Construction-Beas, Punjab	7200KW
Solar	L & T Construction-Finolex, PUNE	5500KW
Thermal	Apollo Tyres PUNE	4300KW & 380KW
Solar	Infosys, PUNE	1500KW
Solar	Tata Motors & Tata Power, Pune	4500KW
solar	BEST	45MW Under Execution
Solar	Luminy Infra Solar	120MW Under Execution
Solar	Ever Power Pvt. Ltd. SATARA	4MW Under Execution
Solar	Ever Power Pvt. Ltd. SATARA	10MW Under Execution

Currently Working On

1. BEST

Project: 45 MW
Solar Power Plant

Status:

1. Design Engineering Is In Process.
2. Preliminary Drawings regarding SLD, PV Plan Layout, Earthing and Lightning Protection System has been completed.
3. Preliminary Documents like BOQ, Solar Panel Data, and Inverter Data etc. is in progress.
4. Land Acquisition Is In Process.
5. Finance arrangement has been made.



2. Luminy Infrasolar

Project: 120MW Solar Power Plant.

Status:

1. 120MW Solar Power Project consists various locations and various capacity like 5MW, 10MW etc.
2. Design Engineering Is In Process For 5MW and 10MW.
3. Preliminary Drawings regarding SLD, PV Plan Layout, Earthing and Lightning Protection System has been completed.
4. Preliminary Documents like BOQ, Solar Panel Data, and Inverter Data etc. is in progress.
5. Land Acquisition Is In Process.
6. Finance arrangement is in process.



3. Everpower Pvt. Ltd. Satara

Project: 4MW Solar Power Plant.

Status:

1. Design Engineering Is In Process For 4MW.
2. Preliminary Drawings regarding SLD, PV Plan Layout, Earthing and Lightning Protection System has been completed
3. Preliminary Documents like BOQ, Solar Panel Data, and Inverter Data etc. is in progress.
4. Land Development is in process.



4. Everpower Pvt. Ltd. Satara

Project: 10MW Solar Power Plant.

Status:

1. Design Engineering Is In Process For 10MW.
2. Preliminary Drawings regarding SLD, PV Plan Layout, Earthing and Lightning Protection System has been completed
3. Preliminary Documents like BOQ, Solar Panel Data, and Inverter Data etc. is in progress.
4. Land Development is in process.



Contact Us

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