

Goldi Solar

India's leading Solar PV module manufacturer with a global presence



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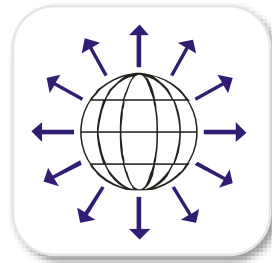
10 Year
Of Rich Industry
Experience



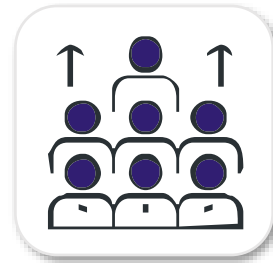
500 MW
State-of-the-art
Module Manufacturing
Facility



500+ MW
Module Shipped
Globally



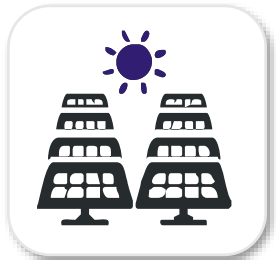
EXPORTS TO
20+ Countries
Globally



500+
Workforce
Strength



Consecutively
since **4 Quarters**



600+MW
Commissioned
Globally



7000+ Projects in
Pump, Telecom &
Rooftop



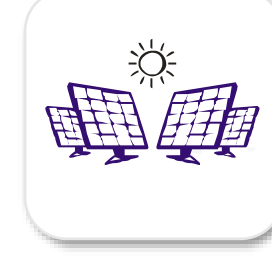
200MW+ IPP
Project Executed



End-to-End
Solution
Provider



Speedy
Execution



Solar Park (IPP)
8 Mw at Amod + Upcoming
100 Mw Solar North Gujarat

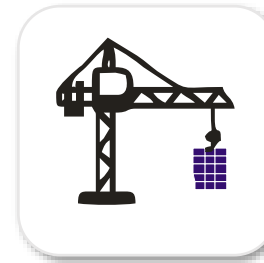


Technological edge

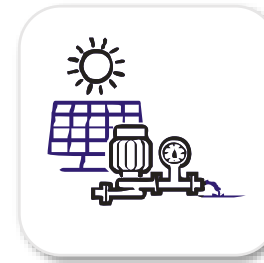
- IEC and BIS tested solar modules
- 100% material traceability through SAP Business One
- Best industry process and adopted SPC methodology at various manufacturing processes
- Provides best in class, technologically and end to end solution
- Projects are in working condition for over nine years with excellent power generation



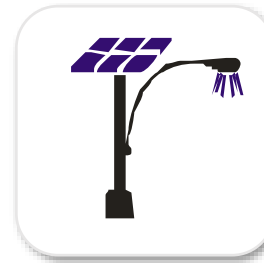
PV
Modules



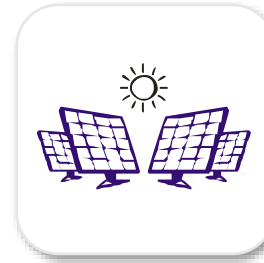
EPC
Services



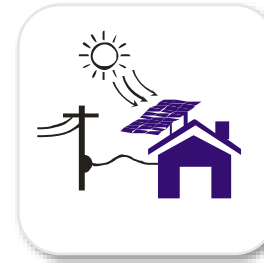
Solar
Water Pump



Solar
Street Light



Solar
On-Grid System



10 Year
Of Rich Industry
Experience



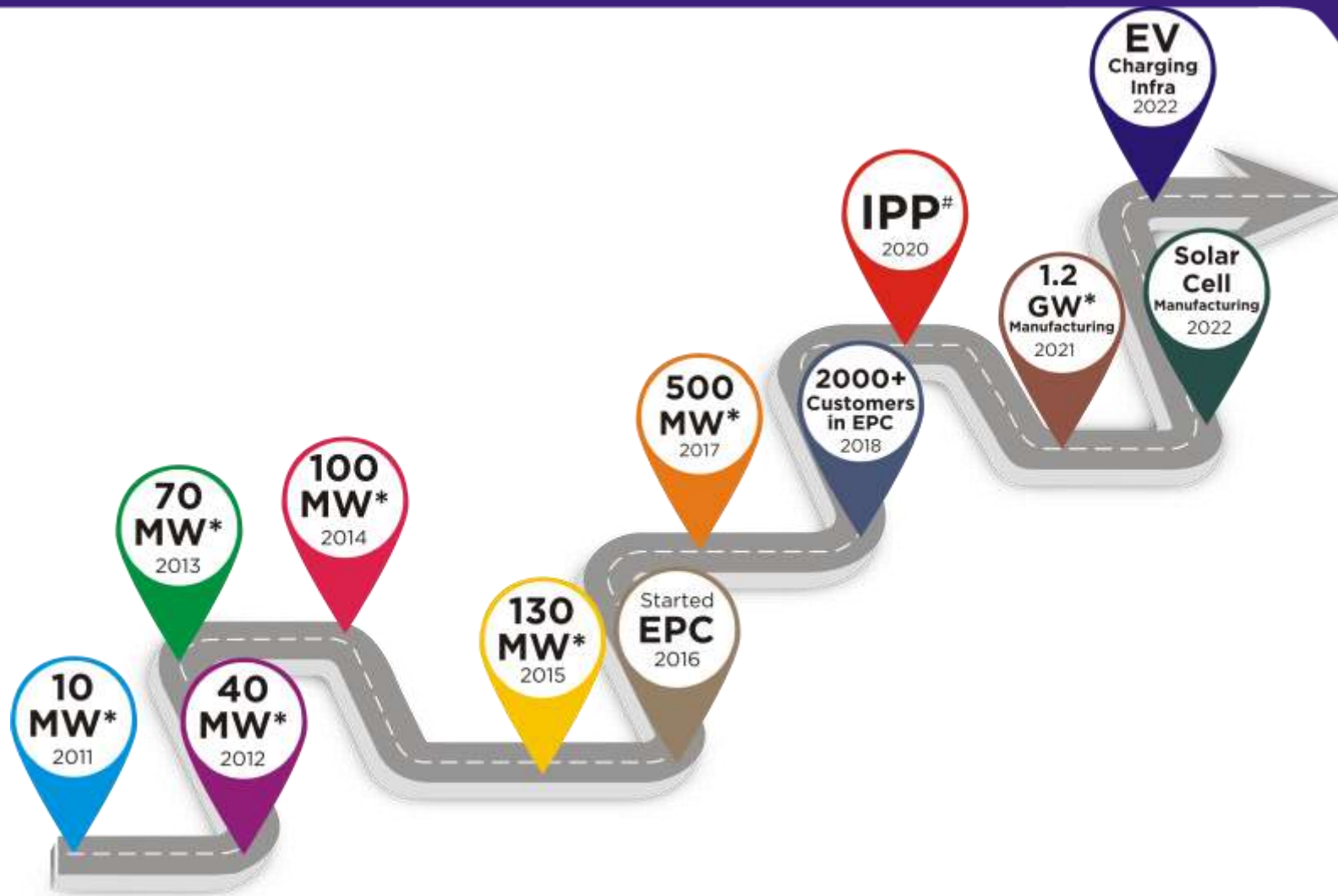
Complete
O&M
Services Support



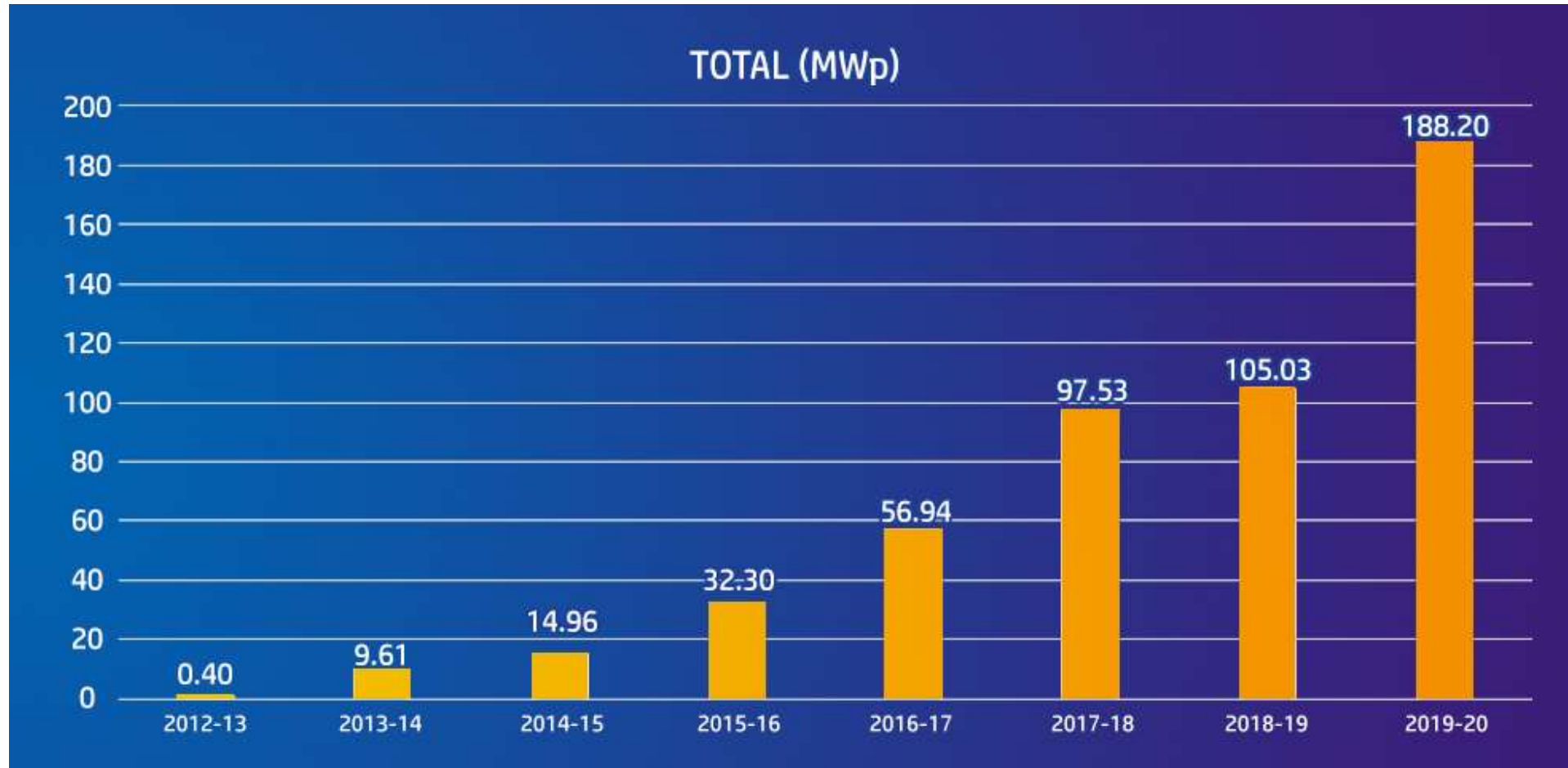
Solar
Business Partners



Growth Story & Technological Roadmap

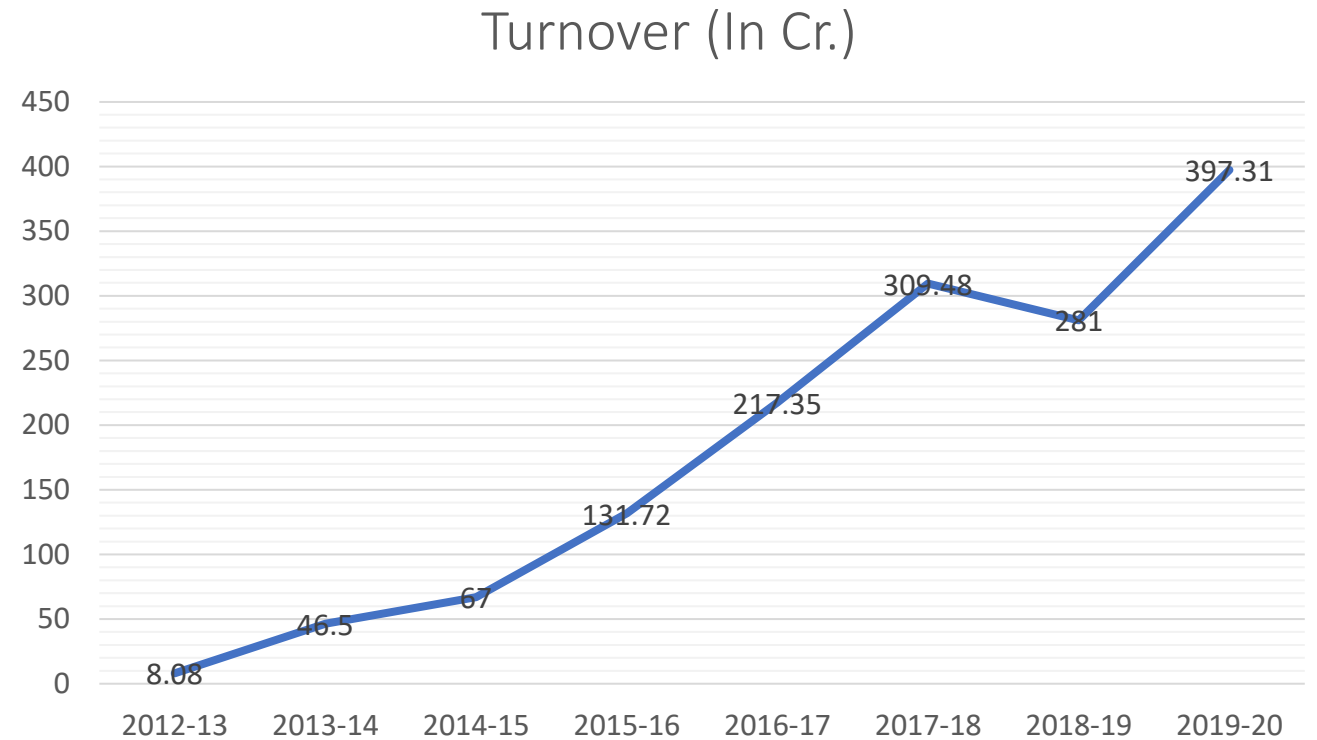


YOY growth in module supply



Financial highlights

Financial Year	Turnover (In Cr.)
2012-13	8.08
2013-14	46.50
2014-15	67.00
2015-16	131.72
2016-17	217.35
2017-18	309.48
2018-19	281.00
2019-20	397.31



Our facility

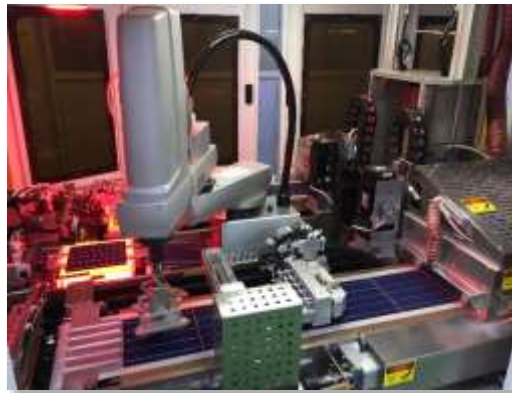


- 500MW manufacturing capacity integrating world-class machinery, highly-skilled workforce and best-in-class raw materials
- An additional capacity of 600MW to be operational in Phase I by early 2021 to cross 1GW mark, followed by another 600MW in Phase II

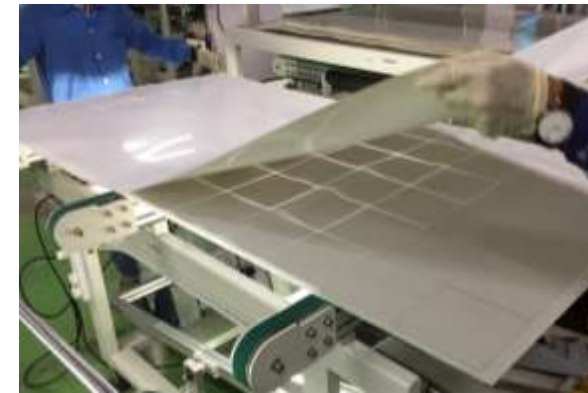


World-class manufacturing equipments & facilities

1. Tabbing & Stringing



2. Layup & Bussing



World-class manufacturing equipments & facilities

3. EL Testing



4. Lamination



5. Trimming



6. Framing



7. Junction Box Fixing



8. Post EL Testing



9. IV Testing



10. Module cleaning



World-class manufacturing equipments & facilities

11. Module packing



What does quality stand to us?

54 stringent quality checks

The combined expertise of our people and the stringent internal & external tests leads to reliability, worldwide acceptance and bankability



Global sourcing of raw materials & testing

Raw Material used by us is tried & tested globally, with strict selection criteria to ensure the quality is reliable. State of the art In-house testing laboratory does stringent quality checks on all critical components

- Raw Materials from Globally Known Certified Manufacturers
- Sturdy, screw less Heavy Duty Silver Anodized Aluminum Alloy Frames
- Latest High Efficiency 5BB Monocrystalline PERC / Polycrystalline Silicon cells.
- ARC coated Solar Glass and Encapsulate with High Transitivity Reduces Conversion Loss
- Superior Reliability and Protection with IP68 certified 4-rail, 3 diodes junction box
- Proven Process for Raw Material Selection & Change Management System for Raw Material Change



Inhouse quality testing



List of testing and measuring equipments

GOLDI™



List Of Measuring & Testing Equipments

Vernier Calliper



- In process inspection
- Size critical inspection
- Final quality inspection

Applications

Thickness Gauge



- Measuring thickness of EW, solar cell, back sheet, PV ribbon, etc.

Applications

Electronic Weighing Scale



- Cell test
- Weighing light weight materials
- Range: 0.1 gm - 300 gm

Applications

Portable Electronic Force Gauge



- Used to pull test to measure adhesion strength between layers of Glass-EVA back sheet

Applications

Depth Gauge



- Measuring depth of level, bottom of hole or thickness

Applications

Digital Light Meter



- For measuring transparency of long and glass & EVA (PC & HPC)

Applications

Soldering Iron Tester



- Soldering Iron Calibration

Applications

Webster Hardness Meter



- Used for measuring hardness of aluminium profile & tube

Applications

Coating Thickness Meter



- Measuring corrosion coating thickness of aluminium tubes

Applications

Hi-Pot Tester



- Voltage withstand test
- Insulation resistance test
- Wet leakage current test

Applications

Infrared Thermometer



- For measuring temperature of PV module surface

Applications

Force Gauge



- For measuring soldering joint strength between cell back bar & ribbon

Applications

Digital Thermometer



- Used in performing uniformity test of laminator

Applications

Clamp Meter/Multimeter



- Current Exposure Test
- Ground Continuity Test
- Testing diode

Applications

Feeler Gauge



- Measuring gap at corner of module
- Range: 0.05 mm - 3 mm

Applications

Protractor



- For measuring angle of Aluminium Profile
- Range: 0° to 180°

Applications

Measuring tape/Ruler



- For measuring various module dimensions, flow material inspection & in process inspection

Applications

Sound Level Meter



- Used for measuring noise level of various modules in factory
- Range: 30 to 130 dB

Applications

Hygro Thermo Meter



- Used to measure humidity & temperature in various locations in factory
- Temp. Range: 0 to 50 °C
- Humidity range: 20 to 95% RH

Applications

Moisture Meter



- Measuring moisture content of composite sheet, EVA
- Range: 0% to 90%

Applications

Hot Air Oven



- For performing Gel content test & shrinkage test of EVA & back sheet

Applications

Soxhlet Setup



- For performing Gel content test

Applications

Hot Plate



- For applying external heat during bypass diode thermal test
- Range: 25 °C to 300 °C

Applications

Pull Tester



- Shear Test
- Tensile Strength
- Adhesive Test
- Range: 1N - 20000 N

Applications

Regulated DC Power supply



- Supply module test & module leakage current test of finished module
- Range: 0 to 200 V
- Range: 0 to 500 A

Applications



Goldi factory is located near a tribal belt from over 10 years
We have trained tribal youth on technical & professional skills

Today, 3 out of every 4 skilled individuals with us were the under-privileged



Global presence



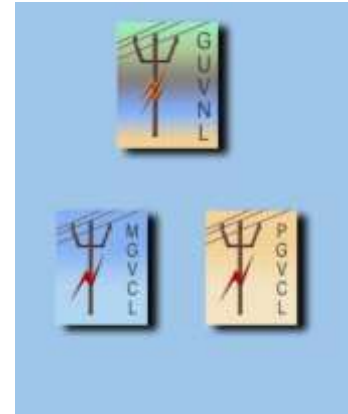
Trusted by customers: India



EPC Clients



Government agencies



Trusted by customers: International



Banks who trust on Goldi



Global Certificates & Third Party Audits



Globally practiced quality standards & certifications

Processes, Quality Standards & Certifications deployed at Goldi Solar are globally practiced by Top Tier PV manufacturers



Certifications



Performance of Goldi Modules exceeds IEC standards

Type of Test	Pass criteria IEC	Pass criteria Goldi	Actual Result
DH 1000H Damp heat	5	3	1.31
TC 200 Thermal Cycling	5	3	2.3
Mechanical load test	5	3	2.9
UV preconditioning Test	5	3	1.22
HF 10 humidity freeze	5	5	3.53
Hot spot	5	3	1.6
Potential induced degradation	5	3	1.9
Ammonia Corrosion	5	3	0.85
Salt Mist Corrosion	5	3	0.43
Hail Impact	5	3	1.31



Top performing projects



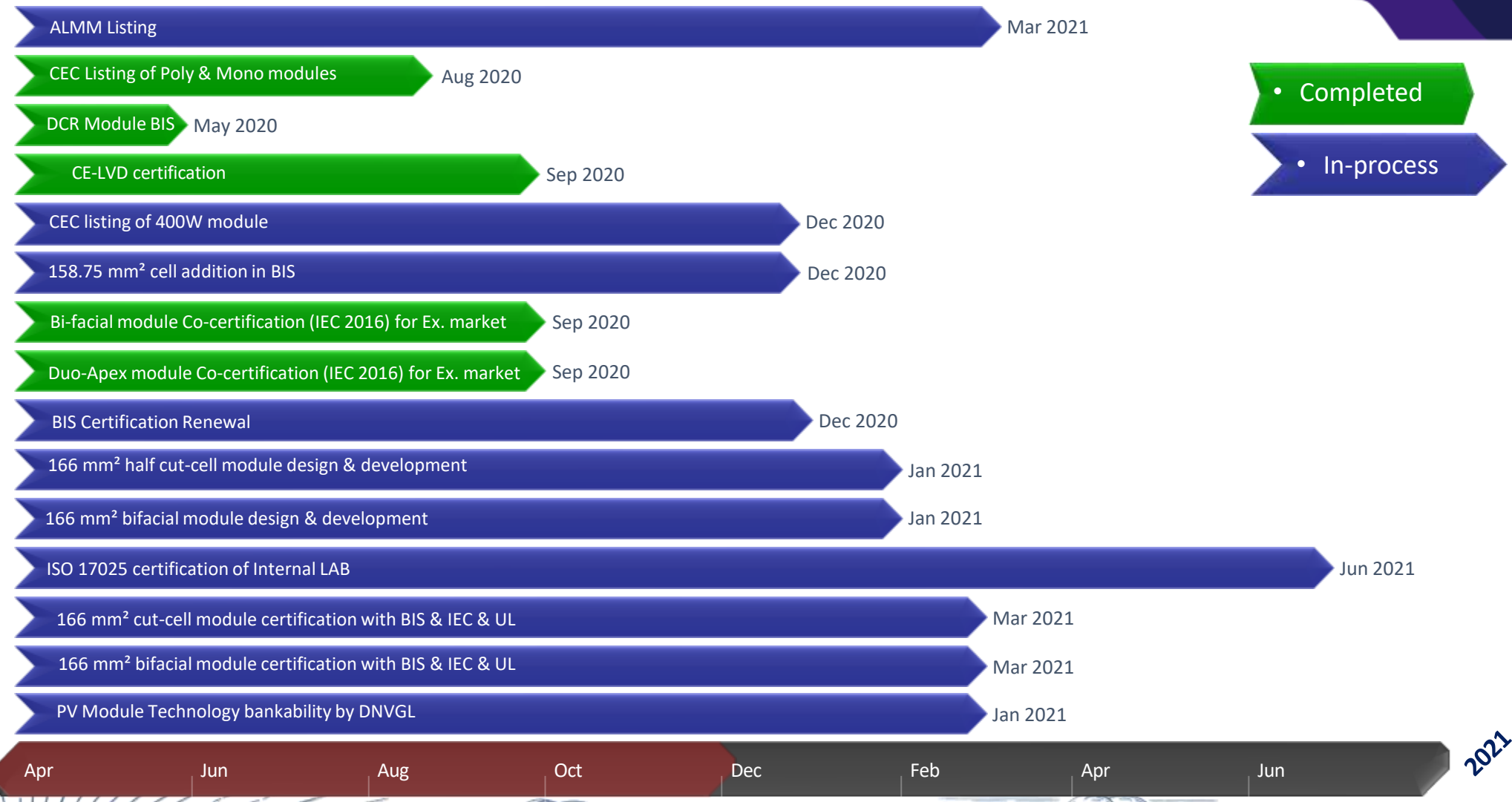
Project: Varmora Ceramics Pvt. Ltd
Project size : 4000 kW
Location : Surendranagar, Gujarat

Project: Sheetal Cool Products Limited
Project size : 1700 kW
Location : Amreli, Gujarat

Project: DNH PDCL
Project size : 1415 kW
Location : Dadara Nagar
Haveli, Silvassa



Technology roadmap



2020

2021



Awards & recognitions



Gujarat Solar Energy
Leaderships Award 2019



Best MSME Award By FGI, Vadodara.
Felicitated by former Defence Minister
Shri Manohar Parrikar in 2016



“EPC Company of the Year” in
Commercial & Residential Category
by EQ at Gujarat State Annual
Solar Awards 2019.





Looking forward to
doing business with
you!

Goldi Solar Private Limited

1009 10th Floor Infinity Tower,
Besides Ayurvedic College,
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