

Bologna, Italy - 31 OCTOBER 2018

EEMAXX

Company presentation Business Model

Kren Operations Group, Ltd.

www.eemaxx.it



AGENDA



- Company Profile



- Business Model



- Energy Markets

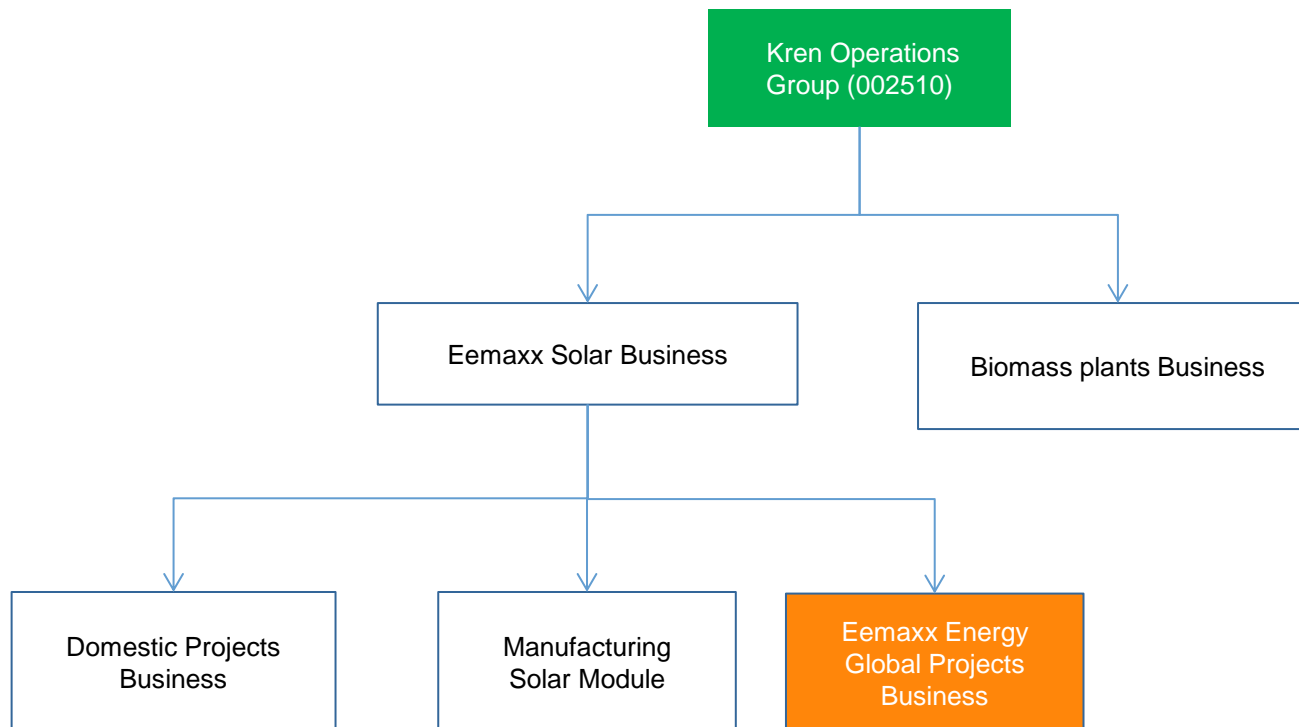


- Global Service Network



- Project References

Kren Operations Eemaxx and its Global Projects Business



Our Service Portfolio - Overview

1

- Project Development

2

- EPC

3

- Interconnection

4

- Project Asset Management, Operation & Maintenance

5

- Distributed Energy and Market Parity



Our Service Portfolio - A Comprehensive Approach

1

Project Development

- As a turnkey project developer, we are be able to offer project development up to completion as turn key solution.
- We develop own projects or acquire project rights. Our business model is BOT (Build Operate and Transfer). Once the project is completed we will transfer the SPV to the final client.
- We also provide EPC services.



Our Service Portfolio - A Comprehensive Approach

2

EPC

- As the general contractor, we deliver all the services towards the completion of turn-key PV plants, including procurement or production of all necessary equipment and parts, as well as the installation.
- We have a strong network of equipment suppliers and service providers in place and work with experienced local or international EPC and/or BOS partners.



Our Service Portfolio - A Comprehensive Approach

3

Interconnection

- We take care of the connection to the grid, including tests, provisional acceptance and final acceptance certificate.



4

Assets Management and Operation & Maintenance

- We can provide asset management and O&M services to the PV plant together with our service partners around the world.



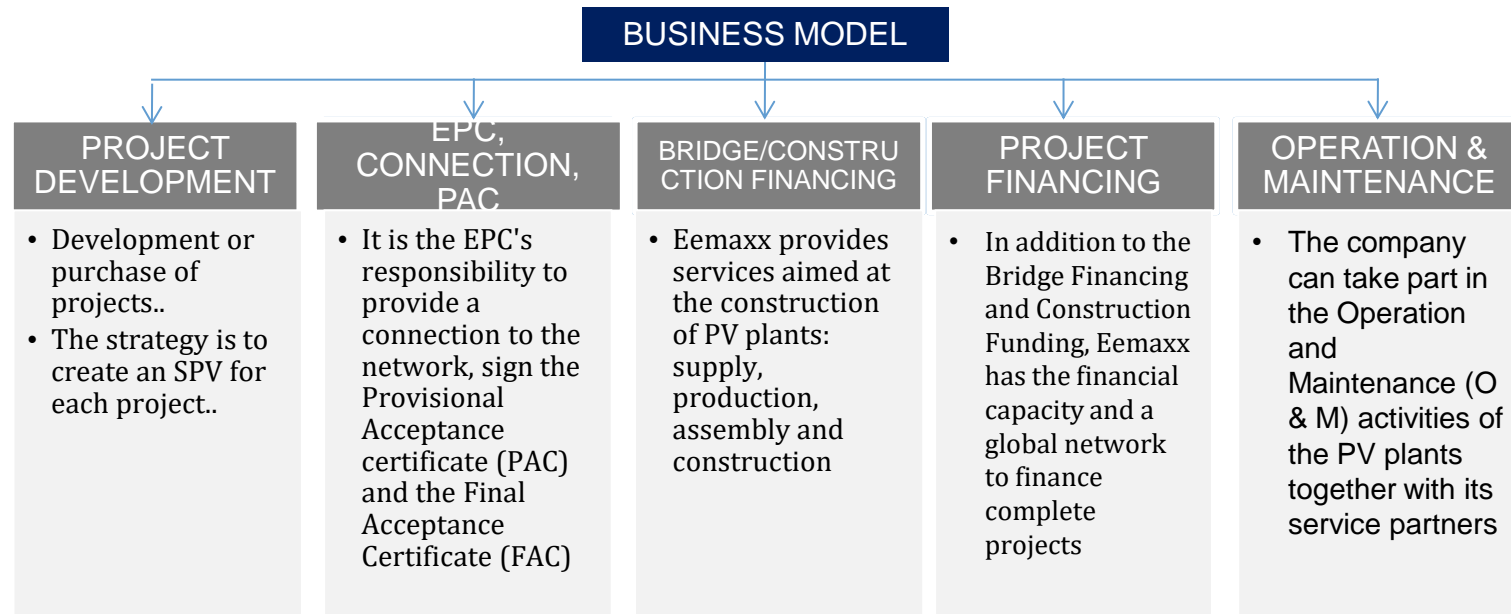
Our Service Portfolio - A Comprehensive Approach

5

Distributed Energy and Market Parity

- We developed a new approach to PV by offering distributed energy and market parity services including dispatching energy on and off grid if needed.





Products, Certificates and Warranty



- Our manufacturing plant has been certified according to the following standards:
 - ✓ ISO 9001:2008 Certificate of Quality Management System
 - ✓ ISO 14001:2004 Certificate of Environment Management System
 - ✓ OHSAS 18001:2007 Certificate of Safety Management System
- Our production lines are under rigorous statistical process control
 - ✓ Strict online and before shipment quality control are conducted by using advanced inspection equipment.
- Our PV modules have been awarded with independent VDE, CSA, TÜV, UL, CEC and CGC certifications
- We always strive to make better products and spare no efforts to improve the quality and performance of our cells and modules

References

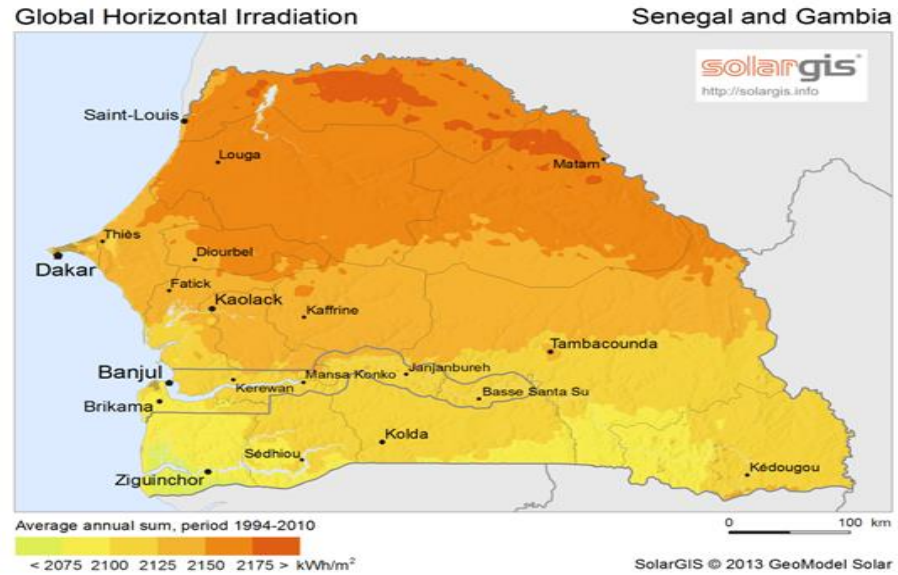
- Poly-crystalline and mono-crystalline solar modules
- Plus-only power tolerance: 0 to +3%
- Product warranty: 10 years
- Linear performance warranty: 25 years*
- 25-Year Insurance-backed performance warranty
- International standards and certificates: IEC 61215ed.2, IEC 61730, UL 1703, ammonia resistance, salt mist corrosion, PID
- Member of the European Recycling Organization PV Cycle
- VDE Quality Seal for defined harder product qualification criteria, continuous in-line and off-line quality monitoring
- Allianz Climate Solutions (ACS) production plant audit



References

- Over the past three years, Eemaxx has completed PV projects in:
 - Italy – 48 MW
- We are currently developing project pipeline for 2018-2019 in:
 - Mexico – 235 MW
 - Italy – 27,5 MW on the roof tops
 - Italy – 41 MW on the industrial areas, waste plants and stone quarry
 - Turkey – 100 MW
 - Dubai – 5 MW

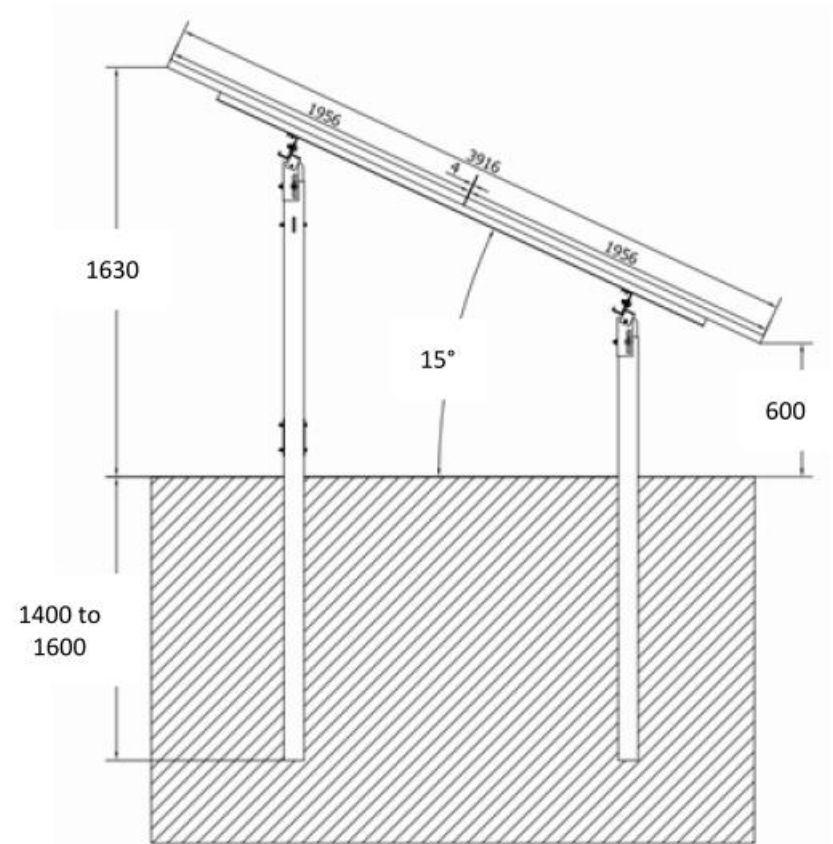
Irradiation and Lands



Sub station



Position Plan



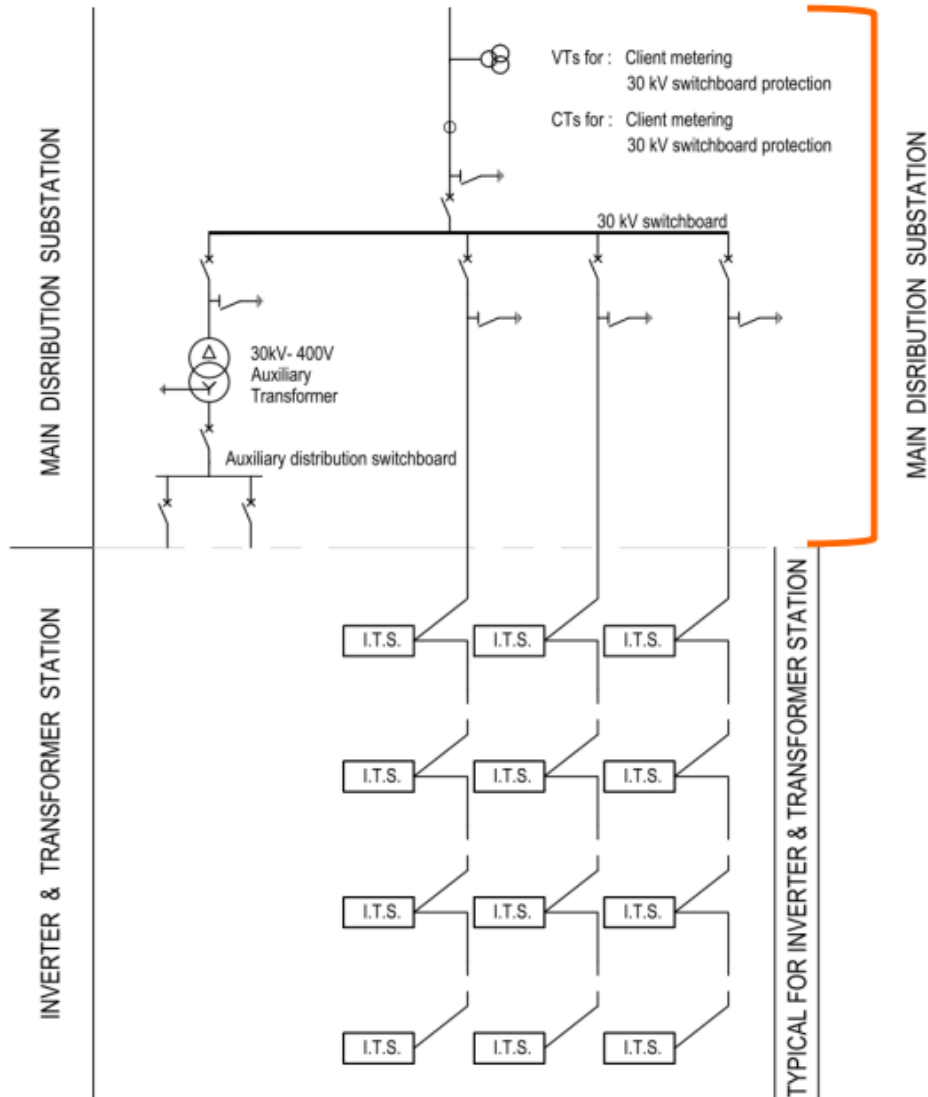
Structures



Structures



Electric plants



PV and Storage



Capacity: PV 40 kW + BESS 320 kWh
+ Diesel 415 kVA
Electricity saved each year: 84,096 kWh
Estimated annual savings: US\$ 56,000



Intelligent micro-grid system



Capacity : 30 kW / 100 kWh
Type: PV + Storage + Diesel



Capacity : 100 kW / 200 kWh
Type: PV + Storage + Diesel

Summary

PROJECT DESCRIPTION

- Technical characteristics:
 - blocks of 2,480 MWp, 2 MWac,
 - Ratio DC/AC = 1,24
 - Power @ POC = 200MWac
 - Grid connection Point about 1.5 km
 - Sandy ground
 - Lands 424Ha
- Grid connection:
 - Voltage: 90 kV – 30 kV
 - Frequency 50 Hz
 - SOIGEA for measuring the power factor at the PDL (metering point) for reagent control

TECHNICAL DATA

■ NOCT*	[°C]	45 ± 2
■ Tilt	[°]	15°
■ Azimuth (from Nord)	[°]	180°
■ Shading Angle	[°] or GCR [%]	17°
■ Installed power	[kWp]	200000
■ Module nameplate power	[Wp]	330
■ Number of Pv modules per string		20
■ Inverter Type and power	[kVa]	925
■ Battery Type and power	[kW]	300

— * Nominal temperature of the operating cell

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Eemaxx Services

Thank you for your attention!

October 2018