

Bologna, Italy - 31 OCTOBER 2018

EEMAXX

Company presentation Business Model

Kren Operations Group, Ltd.

www.eemaxx.it



AGENDA



- Company Profile



- Business Model



- Energy Markets

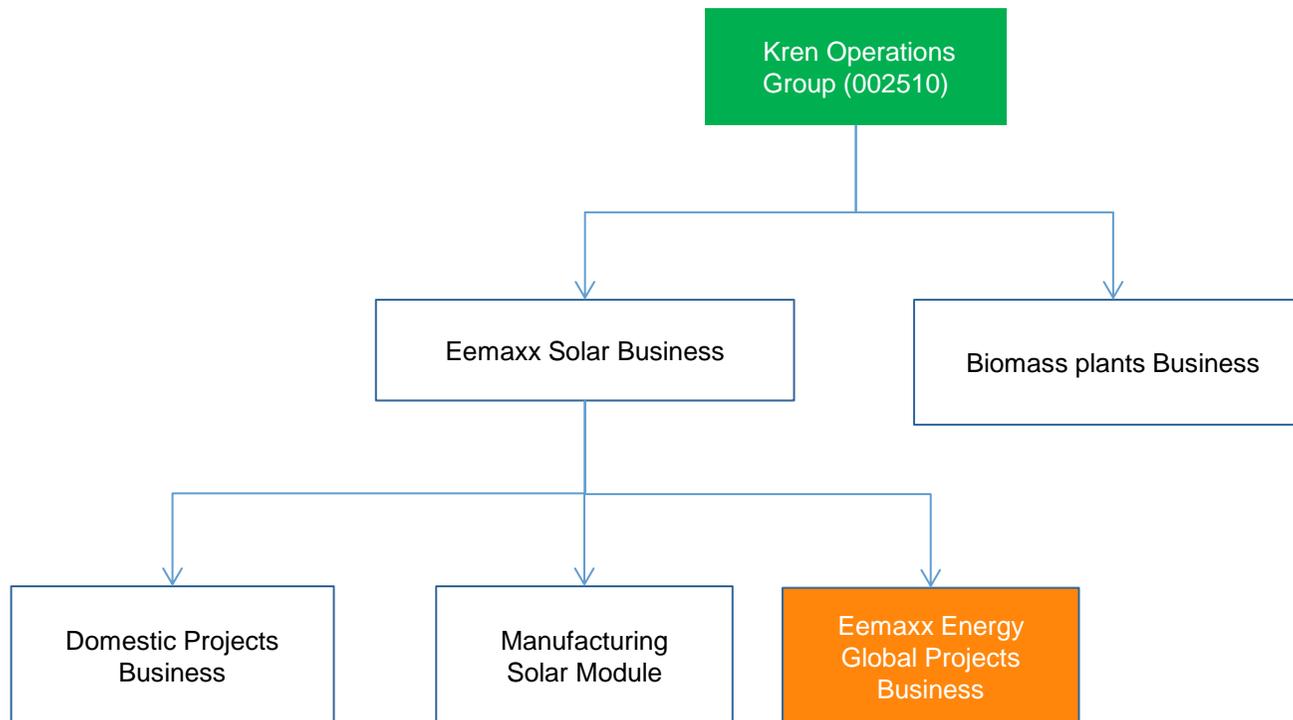


- Global Service Network



- 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



Project Development

- As a turnkey project developer, we are able to offer project development up to completion as a turnkey solution.
- We develop our 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



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.



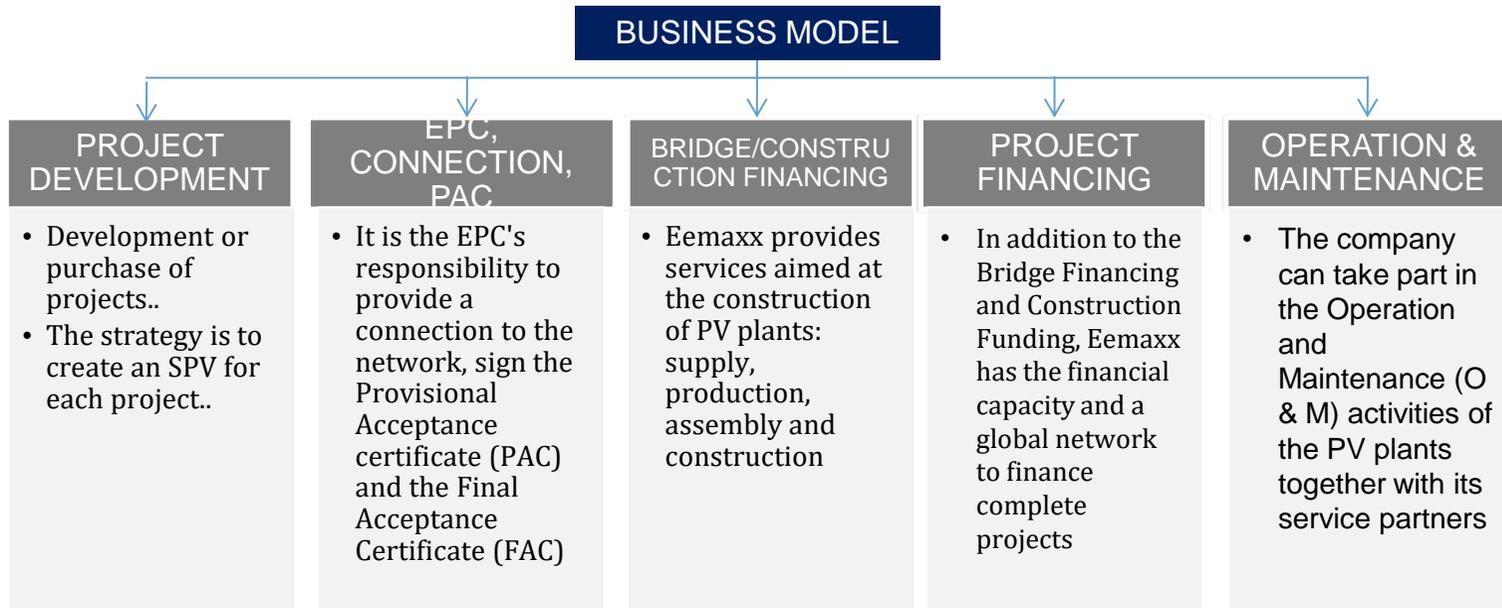
Our Service Portfolio - A Comprehensive Approach

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



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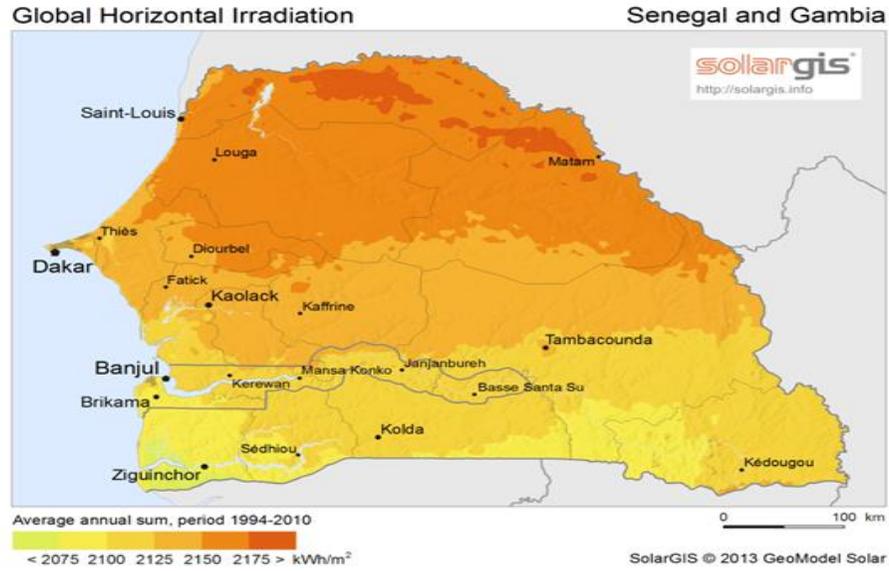


References

- 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

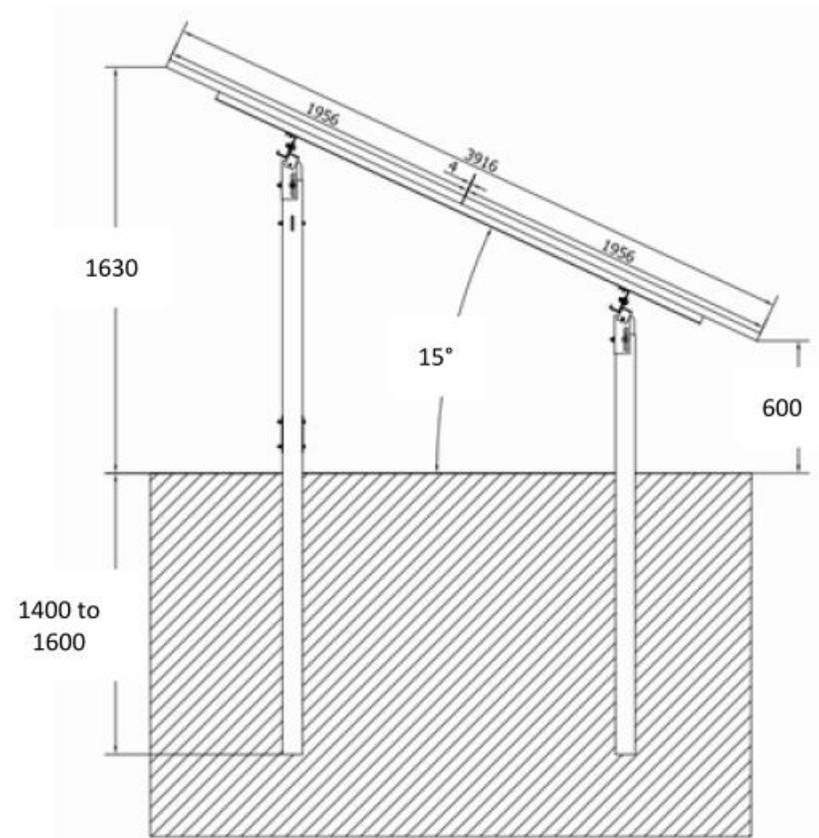
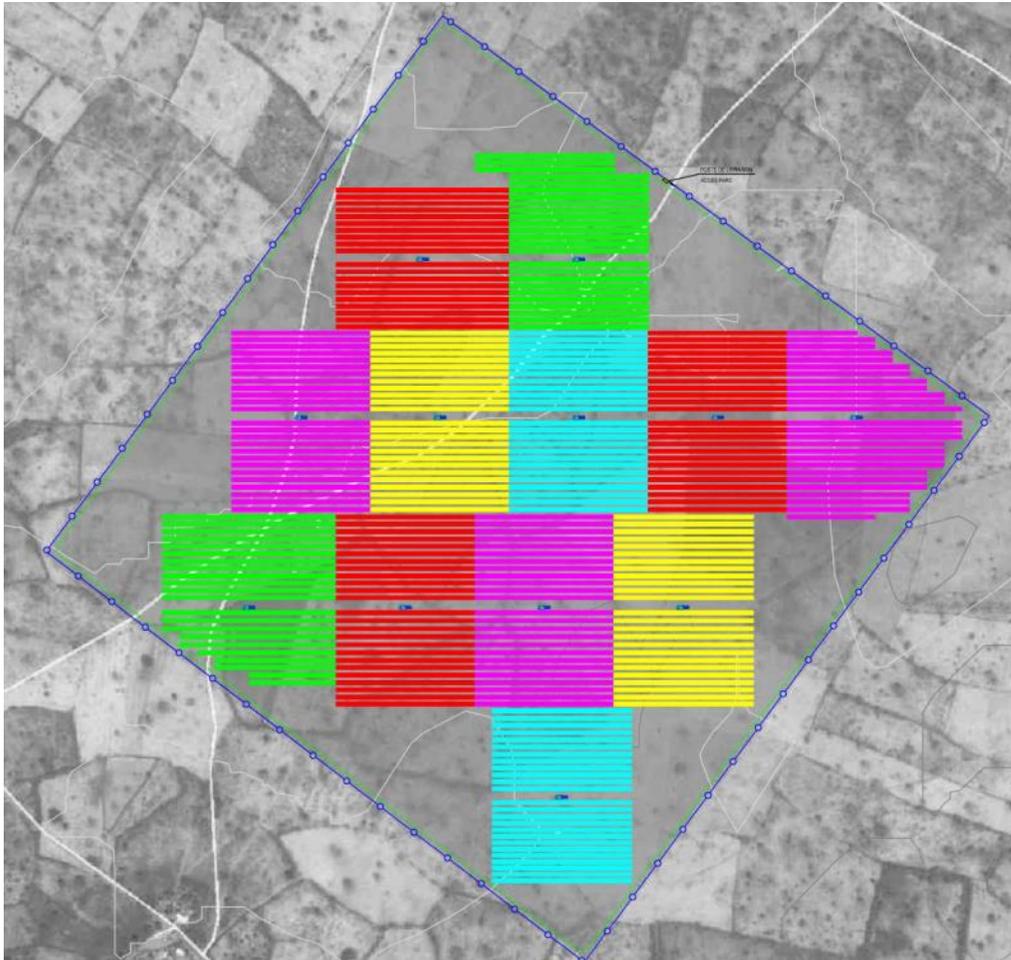
Irradiation and Lands



Sub station



Position Plan



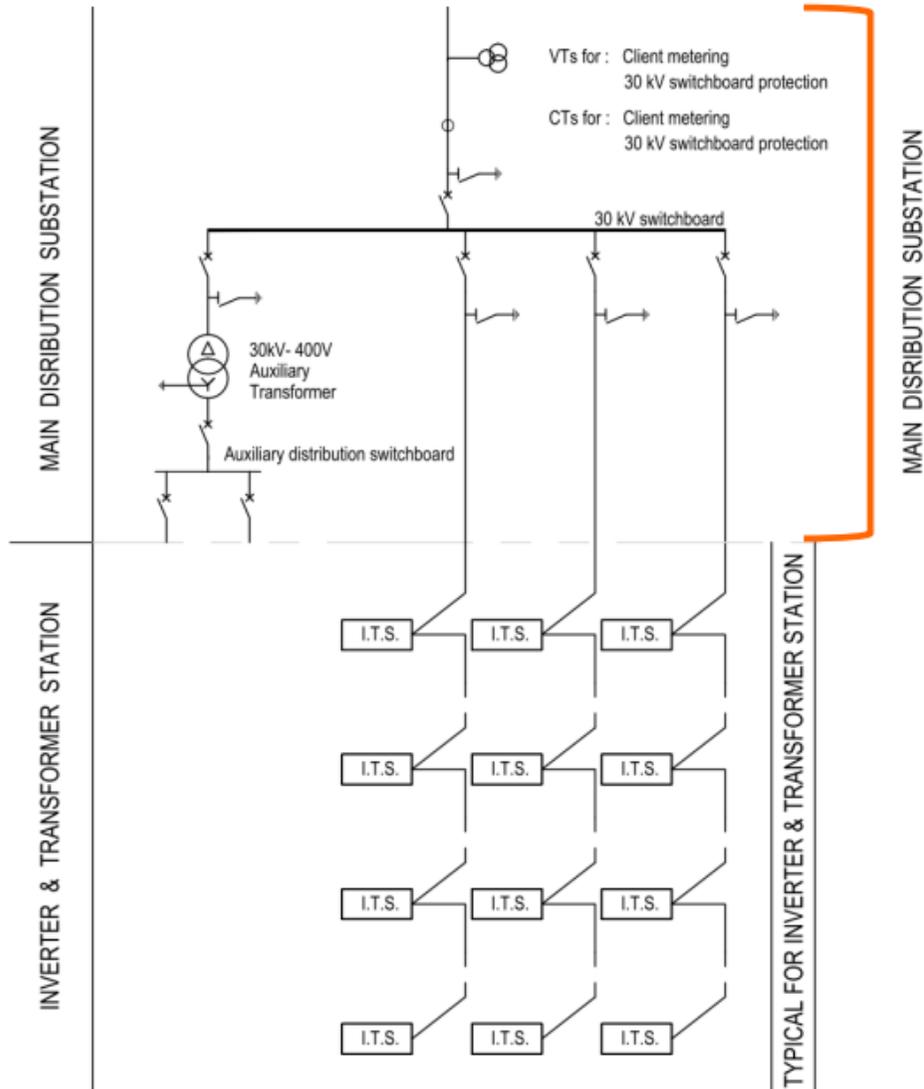
Structures



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!

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