



Midal Cables International
PV PLANT

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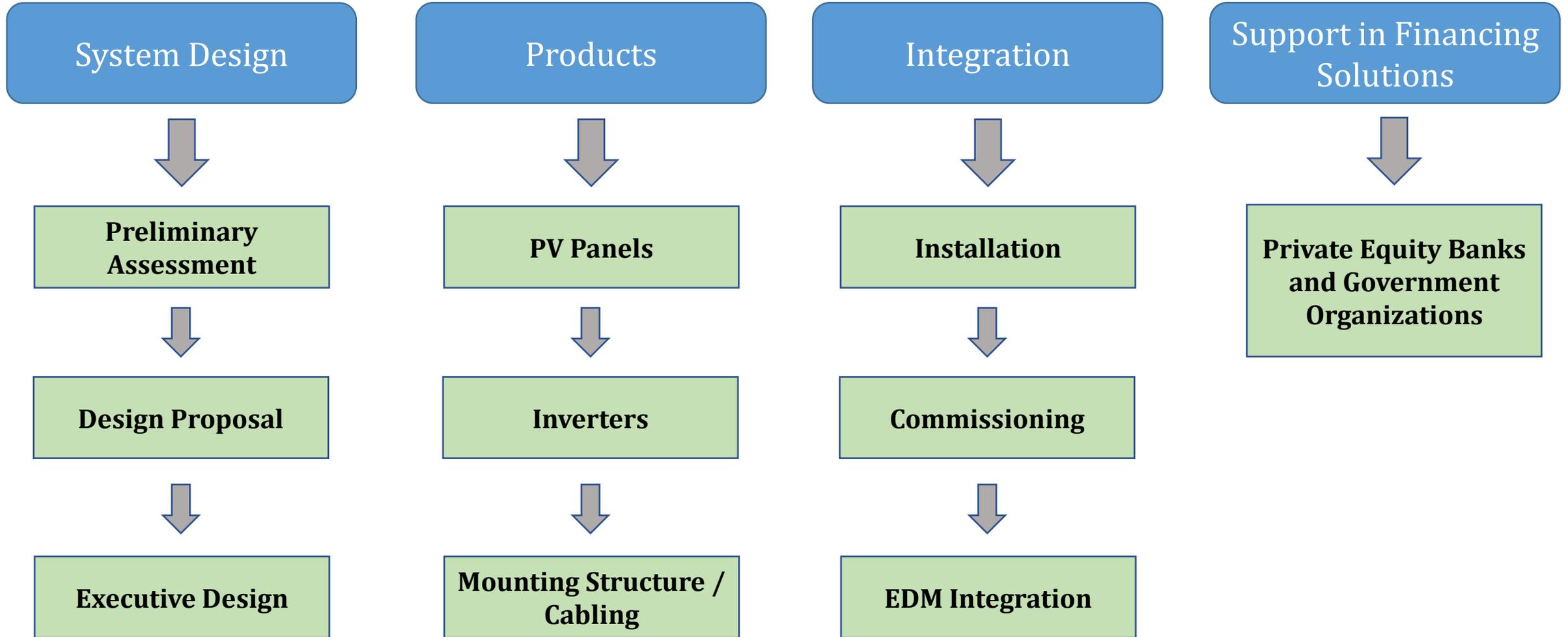
What we do and who we are



Midal Solar is a subsidiary of **Midal Cables** and is focused on providing solutions to organizations to reduce their energy costs and generate sustainable energy.

- **Company Founded in Q4 2019, functioning as a “Developer” leveraging resources in “Kingdom of Bahrain” to provide solutions to our customers.**
- **2 Active Projects since 2020, several others at various stages of techno-commercial discussion for execution in 2021 onwards.**
 - **1st Project - Askar, Bahrain Installation Completed, Plant generating power.**
 - **2nd Project in Mozambique recently Completed**
 - **3rd Approximately 20MW projects pipeline in Bahrain.**
- **Business Lines**
 - **Provide Renewable Energy Solutions**
 - **System design, Equipment / OEM selection**
 - **PV Plant Erection & Commissioning (including EDM Integration)**
- **Focus on Commercial and Industrial Sector**

What we offer



Motivations

1 – Necessity of “Going Green”

- New worldwide trend of using renewables.

2 – Cost Savings

- Annual Increase of the EDM tariff.
- 20% on average per month reduction on electricity bill.

3 – Un-interrupted Power Supply

- Better Performance of the production line;
- Less Scrap generation due to power fluctuations

Case Study for Midal Cables PV Plant - Mozambique



Problem Statement:

- Aluminium Casting / Drawing/ Stranding Operation
- High Electricity Cost linked to inflation
- Frequent Power Break Downs, resulting in higher maintenance cost and loss of productivity

Solution:

Built an Integrated System:

- Solar PV System 2.161 MW
- 4X500 KVA UPS (Un-interrupted Power Supply)
- 2 X 1.15 MVa Diesel Generators (Back-Up)

Project Location	Mozambique
System size (capacity)	2.161 MW +/-
System Type	Off Grid
Annual Yield (kwh)	4,294,000
Payback-Years	9.92

Hybrid Solar System



Solar PV Panel



Hybrid System



Grid Power



UPS and Battery



Monitoring System

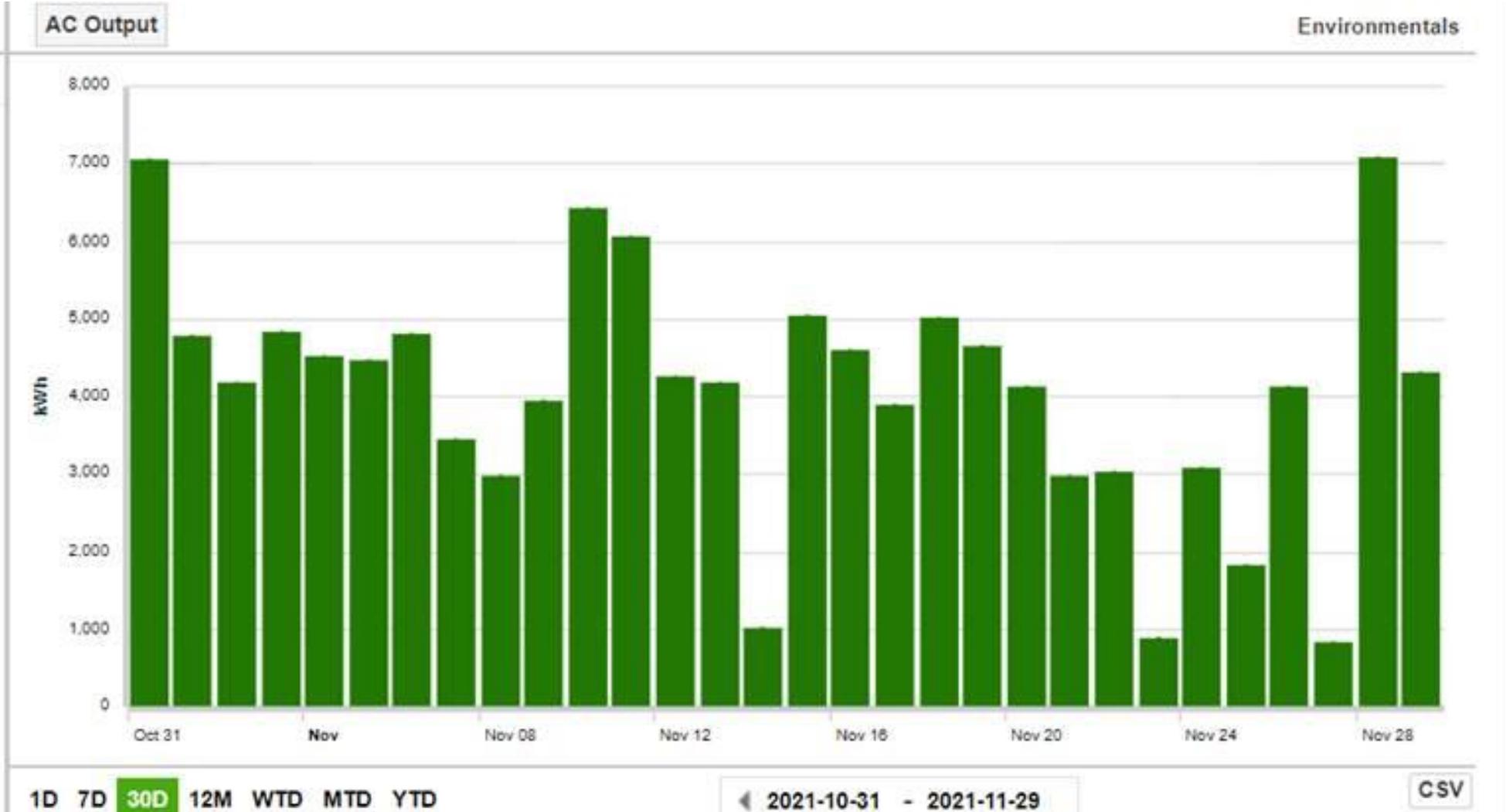


Generator



Consumers

Month generation Graph.



Solar Power Plant Midal Cables Ltd. Mozambique.

Plant Capacity 2.161MW





Contact us for your Solar needs.

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