

SUSTAINABLE ENERGY PRODUCTION

September, 2019





Bio-Based
STUDENT PAVILION
+ Nearly Zero Energy Building



GOVERNMENT



COMPANY



INSTITUTE

NGO





PHOTOVOLTAIC SYSTEM

- PV Installed Power: **2.5kW**
- PV Location: **Sarajevo, Bosnia and Herzegovina**
- Yearly Energy Production: **2840 kWh**
- Summer (August) Energy: **344 kWh**
- Winter (December) Energy: **125 kWh**
- Return on Investment: **5 Years**
+ Battery Storage

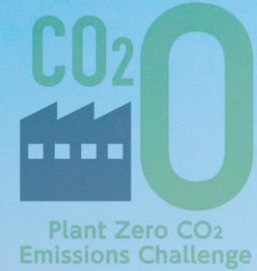
SESAME SOLAR POWER PLANT

- PV Location: **Jordan, 30km from SESAME**
- PV Installed Power: **6.48 MW**
- Lifetime of PV: **20 Years**
- Total Investment: **7.143.938 USD**
- Peak Monthly Bill: **266.583 USD**
- Average Monthly Bill (PV): **11.000 USD**
- Return on Investment: **2 Years**

0.35 USD / kWh

**CO2 Reduction
7.122 t/year**

**Fully Powered by
Renewable Energy**



Prof. Herwig Schopper

Dr.Dr.h.c.mult.
Former Director General CERN



MONTENEGRO

- Average Number of Sunny Days: **240**
- Percentage of The Year: **65%**
- Average Number of Sunny Hours: **2480**

SEEIIST PV SYSTEM

- PV Location: **Montenegro, Podgorica**
- PV Installed Power: **6.48 MW**
- Lifetime of PV: **20 Years**

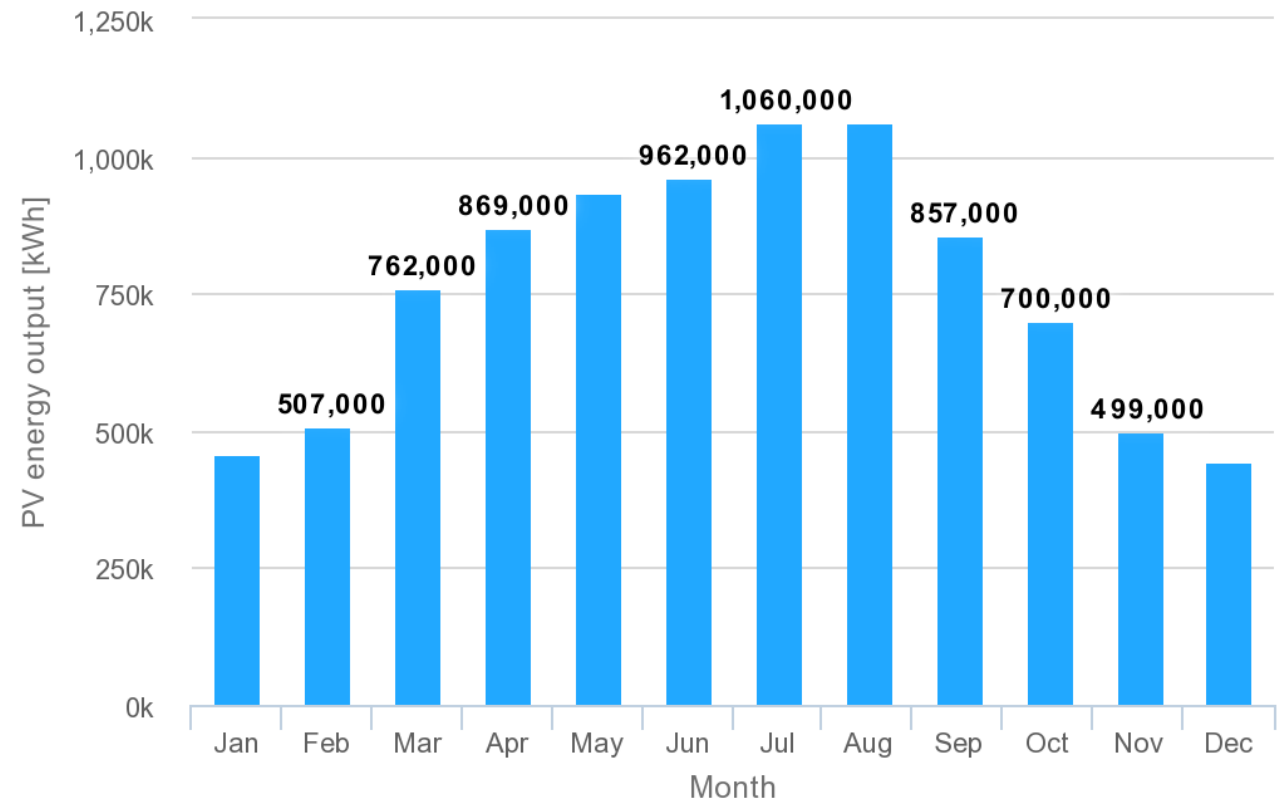
- Total Investment: **7.143.938 USD**
- Total Energy Production: **9.120.000 kWh**
- Return on Investment: **12 Years**

0.055 USD / kWh

BATTERY

Monthly energy output from fix-angle PV system

(C) PVGIS, 2017



1.060.00 kWh

July

445.00 kWh

Dec



THANK YOU
FOR ATTENTION!

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