

EQUATORSOLAR

SOLAR PV SOLUTIONS
— THAT PAY OFF —

EQUATOR SOLAR GROUP OF COMPETENCIES

Germany

NEXIRA

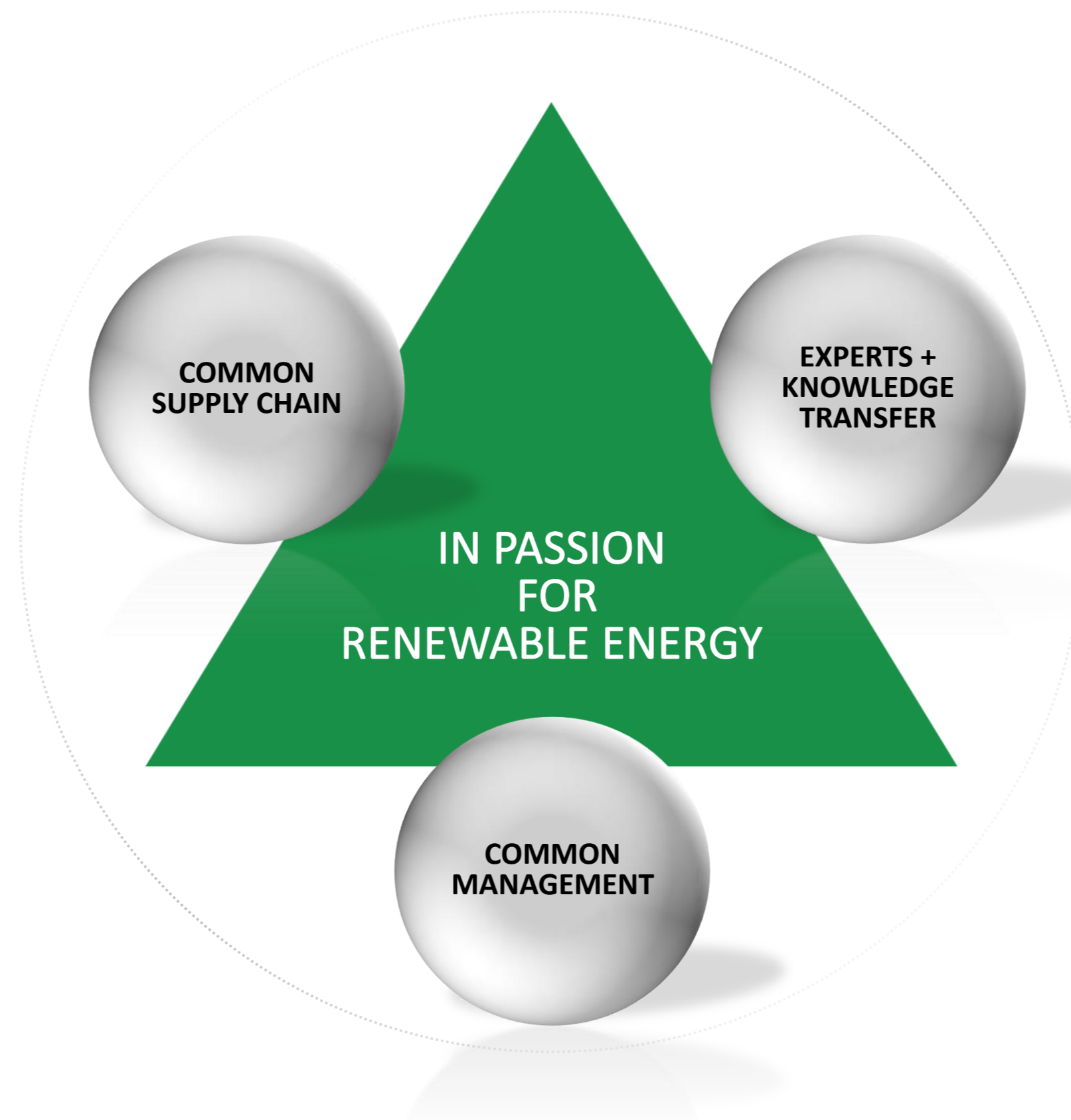
- Renewable energy experts
- Procurement / Supply chain
- Finance experts

Based in Kassel / Germany



- Renewable energy experts
- Energy efficiency consulting
- Engineering

Based in Ettenheim / Germany



East Africa

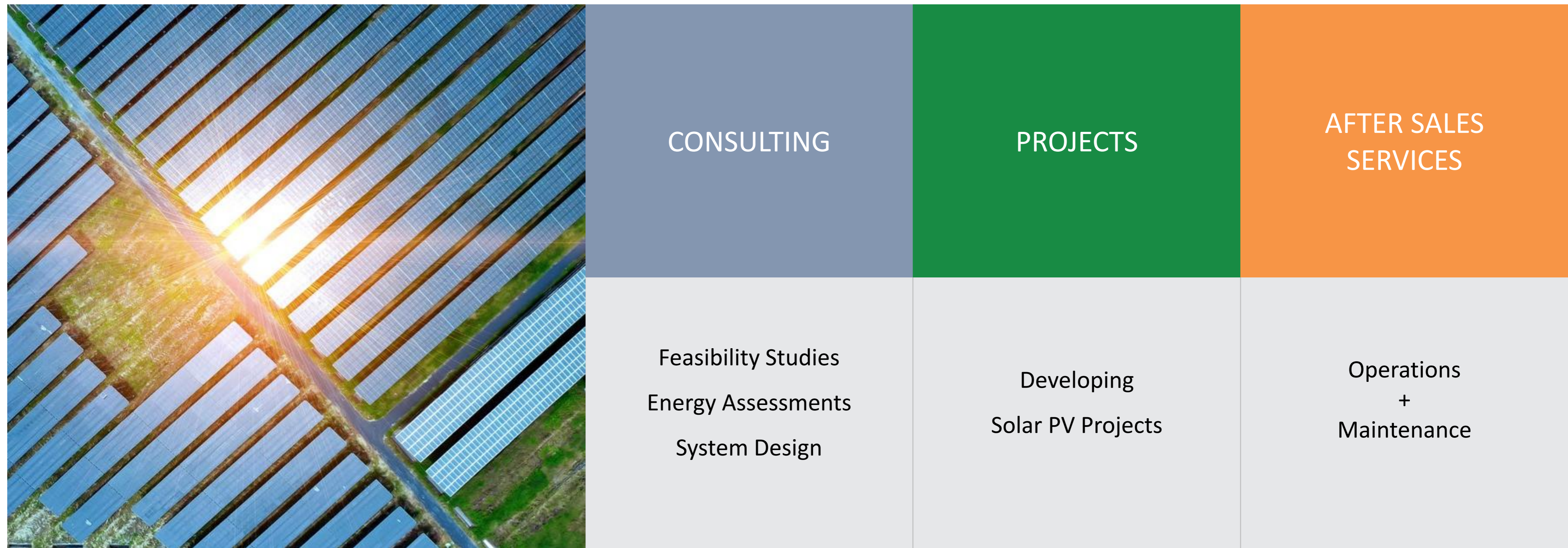
EQUATORSOLAR

- Founded in 2011 in Kampala, Uganda
- Owned and managed by group members
- Operating in East Africa
- Renewable energy experts
- Project development
- Implementation and commissioning

Based in Kampala/ Uganda

PORTFOLIO

Integrated Renewable Energy Solutions



SOLAR PV – CUSTOMERS' BENEFIT



Affordable
Payback from Day One – Growing Savings



Reliable
High Quality – Lifetime 25+ years



Valuable
Durable Asset – Attractive Investment

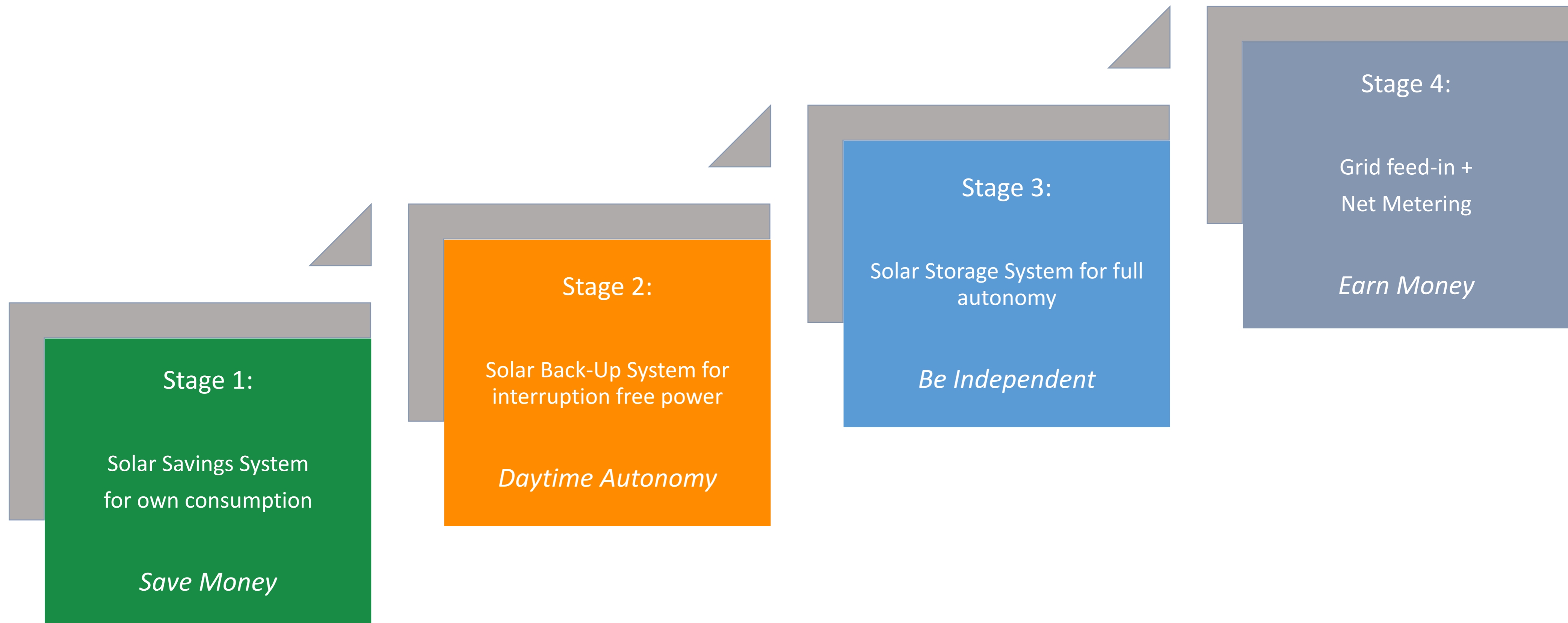


Clean
Improve carbon footprint - Go Green!

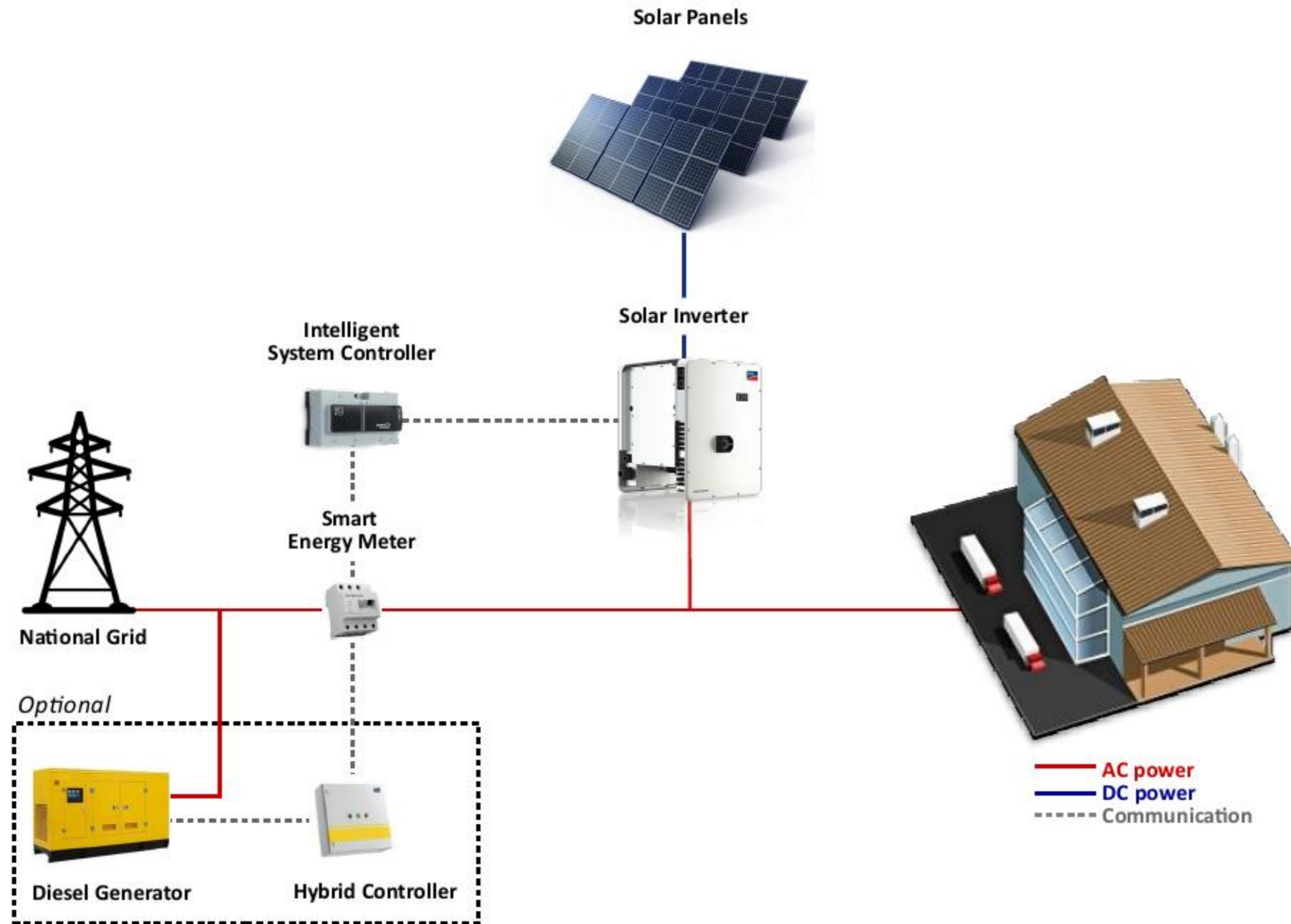


SCALABLE APPROACH

Scalable Solutions – Investment in stages possible



SOLAR SAVING SYSTEM



Stage 1

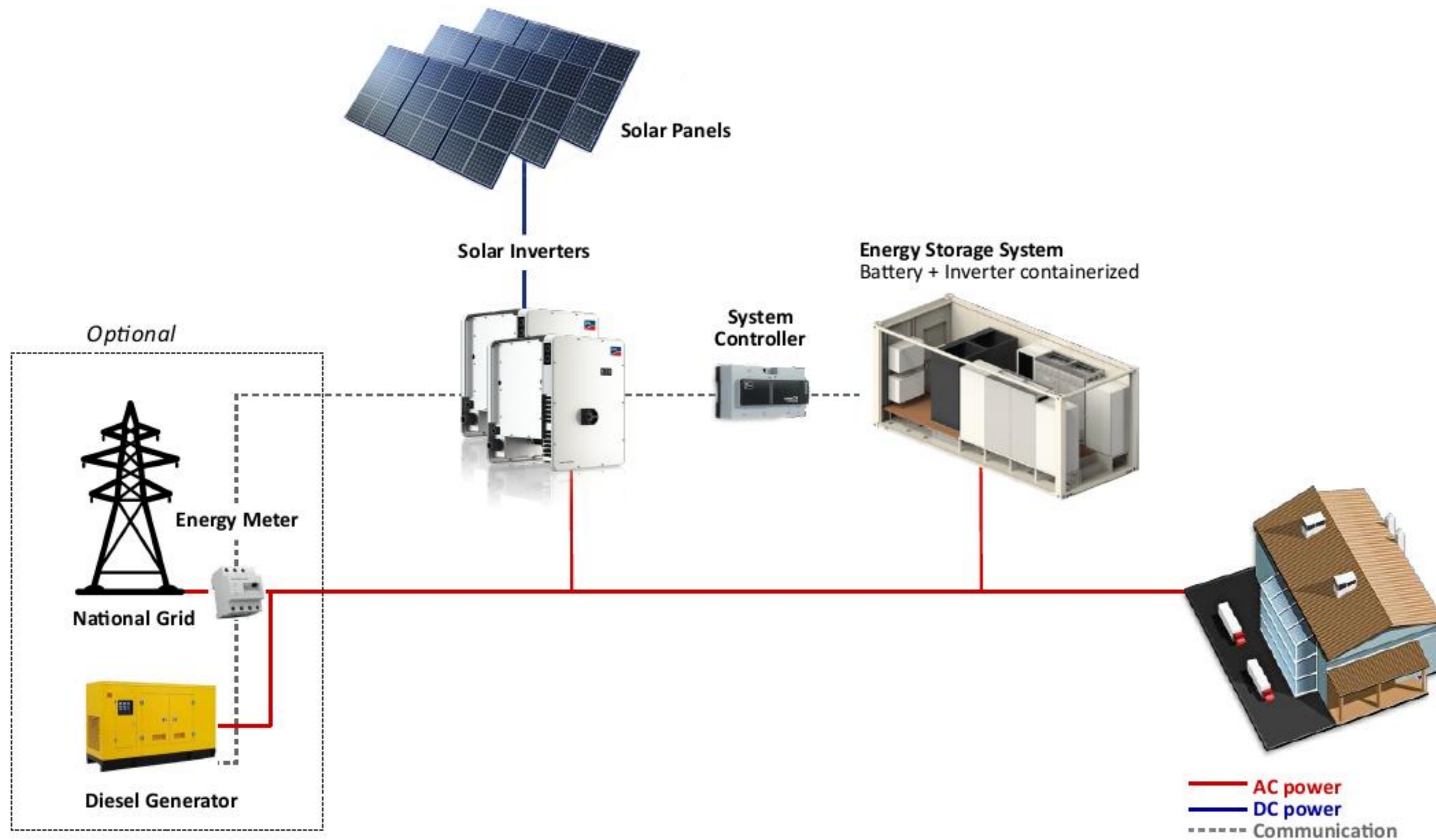
SOLAR PV +
GRID CONNECTION +
GENERATOR INTEGRATION

Reduce your bills and
save money

Benefits:

- UEDCL+ diesel saving
- OPEX reduction
- Cost efficiency

SOLAR BACK-UP SYSTEM



Stage 2

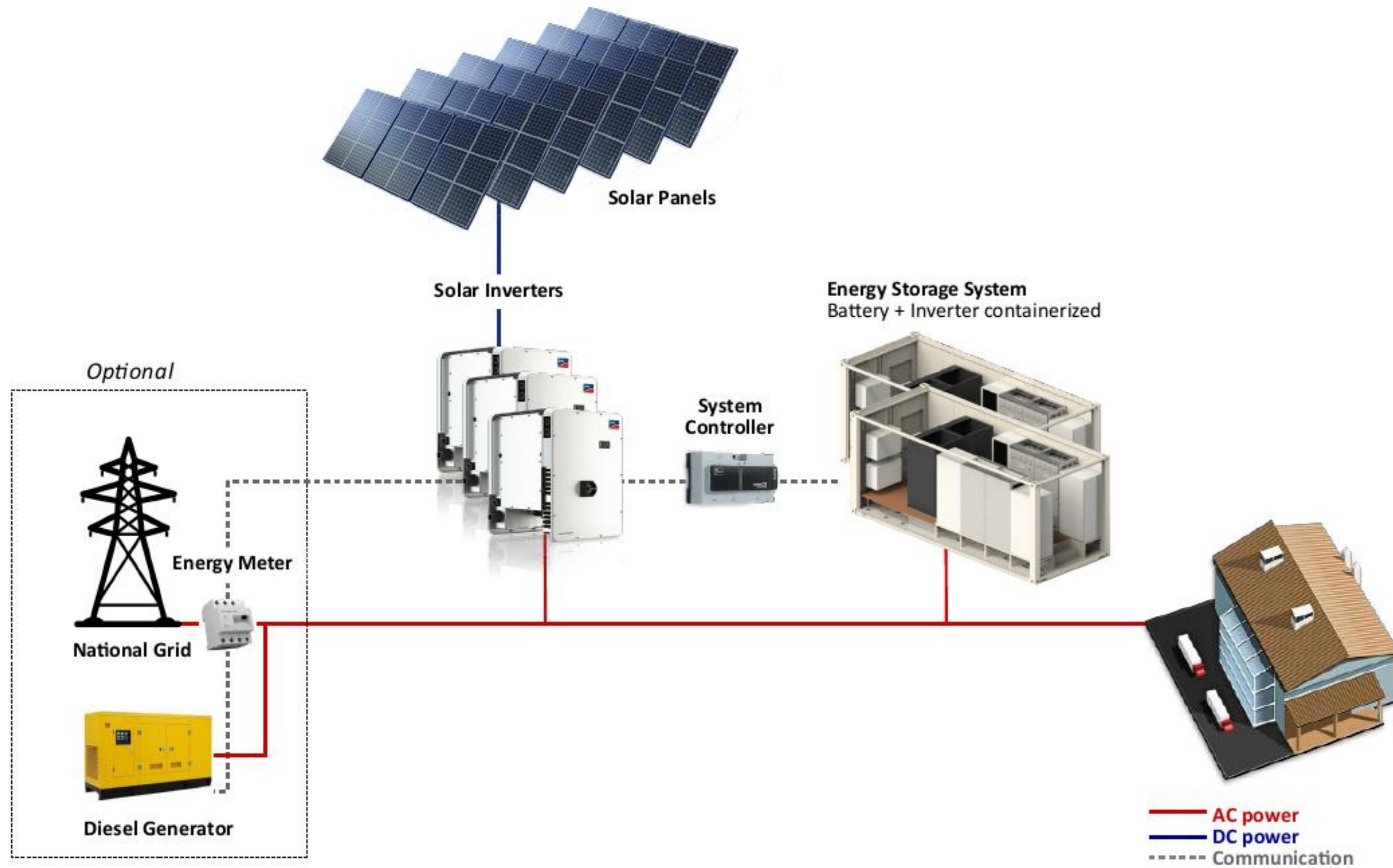
SOLAR SAVINGS SYSTEM + BATTERY STORAGE

Enjoy daytime autonomy and hours of back-up at night

Benefits:

- Power back-up
- UEDCL + diesel savings
- OPEX reduction

SOLAR AUTONOMY SYSTEM



Stage 3

EXTENDED SOLAR SAVINGS SYSTEM + BATTERY STORAGE

Be fully Independent
and enjoy solar power
day and night

Benefits:

- Full autonomy
- Unlimited power back-up
- Independent from UEDCL + diesel

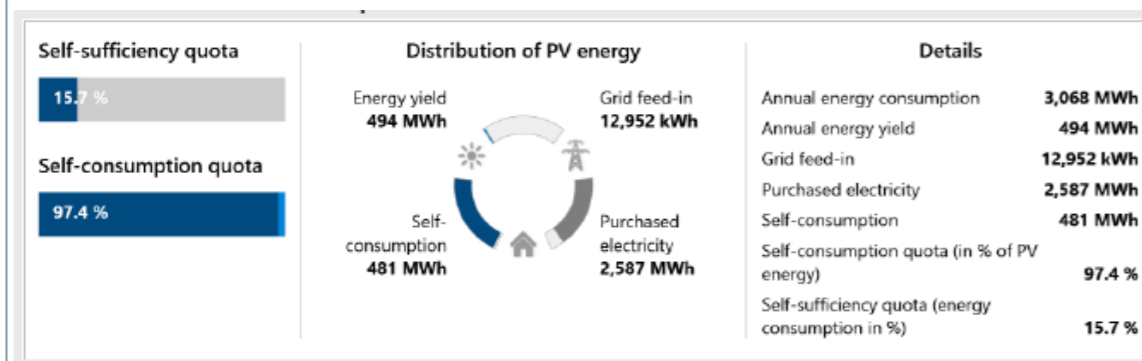
FACTORS FOR SUCCESS

Best fit of Components + Design for Maximum Performance

Design + Configuration

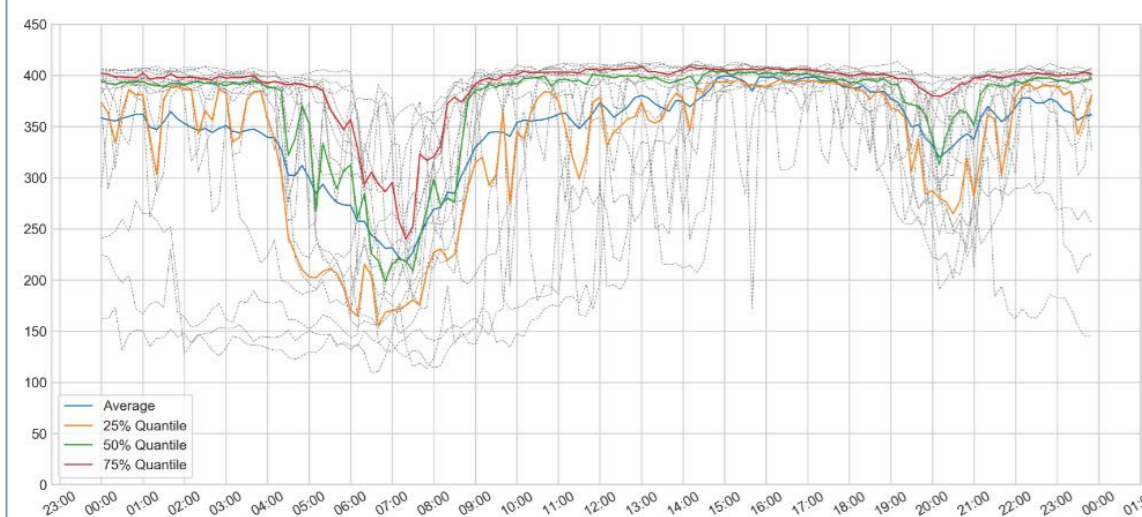
Solar System Simulation

For Optimum Design + Configuration



Electricity Consumption Analysis

Including Detailed Load Measurements



High Quality Components

Tier 1 Solar Panels:

High Efficiency +
30 Years Warranty



Aluminium Mounting:

Very Durable+
10 Years Warranty



State-of-the-Art Electronics :

Intelligent Design + High Efficiency + 5-20 Years Warranty



Leading Inverter Technology
from Huawei.



Intelligent Control
for Advanced Design
and Online Monitoring

Service

Basic + Advanced Service Plans

For Panel Cleaning, Maintenance, Repair

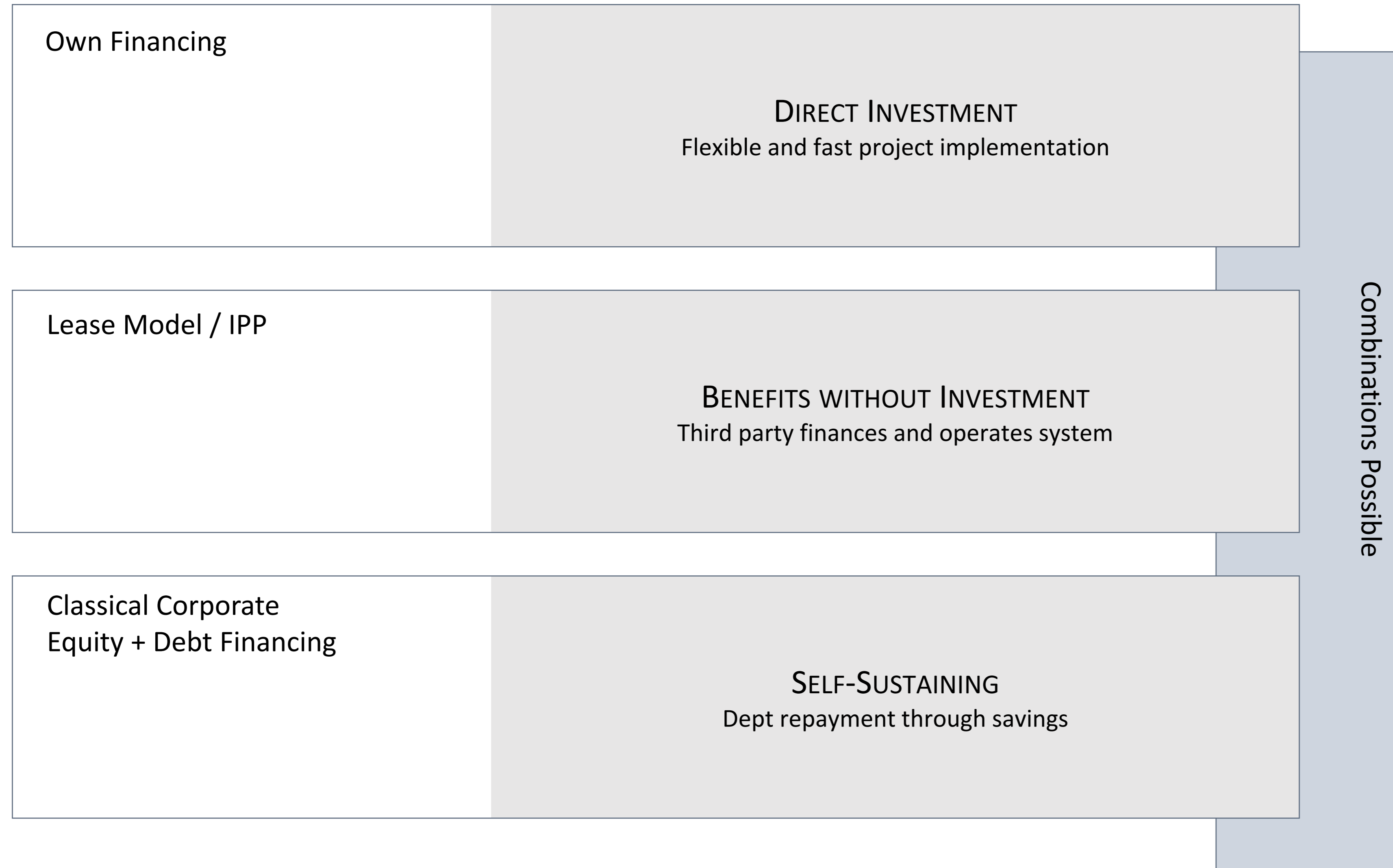


Online Monitoring

For Performance Monitoring and Remote Support

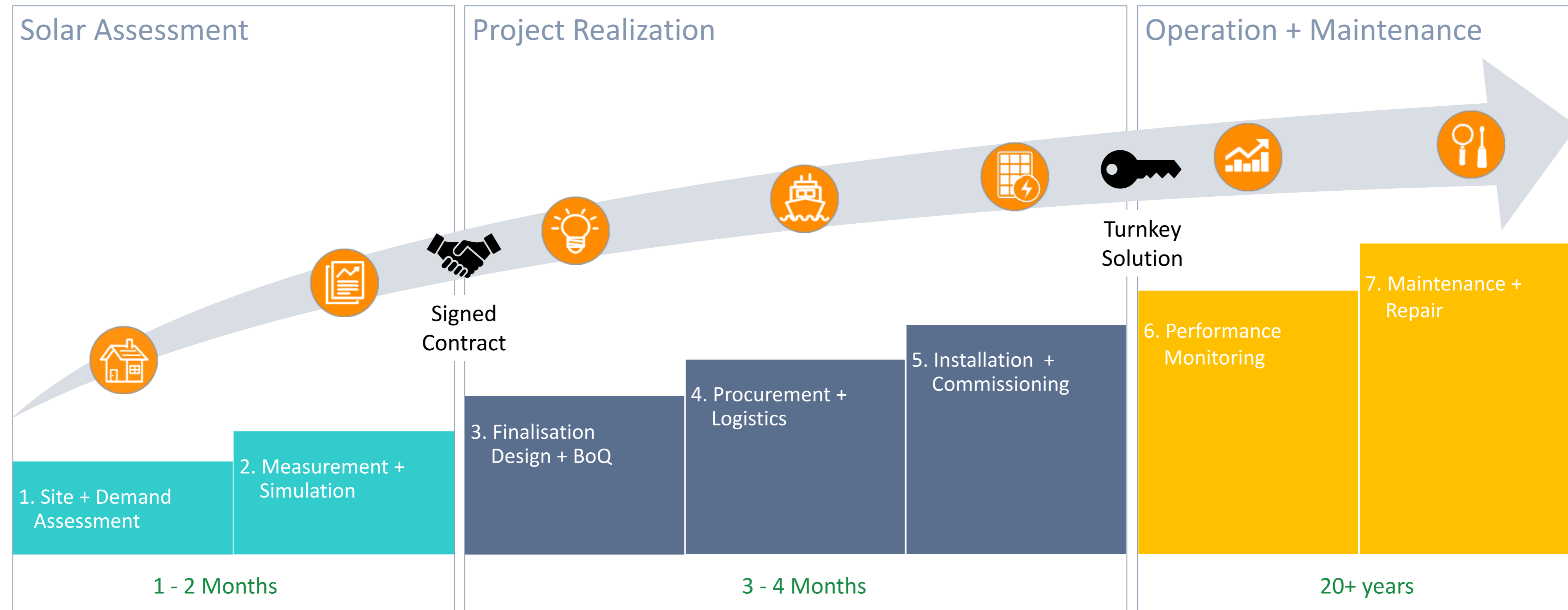


FINANCING OPTIONS



PROJECT REALISATION

We support your business - along the value chain - during the entire plant lifetime



WE STAND FOR HIGH QUALITY

01

HIGH QUALITY EQUIPMENT

25 years lifetime + German technology

02

OPERATIONS + MAINTENANCE

On-site services + online monitoring

03

EXPERIENCED TEAM

Years of expertise in renewable energies

04

SOLID PARTNERS

Reliable and experienced with proven track record

EQUATOR SOLAR SYSTEMS Ltd.

Ntinda, Kampala

Fabian Dold

Director

fabian@equatorsolargroup.com

www.equatorsolargroup.com



LIST OF REFERENCES

| Sector | PV Capacity | Battery Capacity |
|---------------|-------------|------------------|
| Manufacturing | 1.225 MW | 320 kWh |
| Health | 1.331 MW | 3.195 MWh |
| Education | 199 kWp | 45 kWh |
| Agriculture | 242 kWp | 257 kWh |
| Hospitality | 193 kWp | 106 kWh |
| Communication | 586 kWp | |
| Humanitarian | 5 kWp | |

Additional Services Provided

- Consulting Services
- Operation & Maintenance Services

Total PV Installed Capacity

4.074 MW

Total Battery Installed Capacity

3.923 MWh

MANUFACTURING SECTOR



75 kWp Solar Panels
120 kWh Battery Back-Up
Spouts of Water Factory, Kampala-Entebbe.



50 kWp solar panels
Grid connected
Misty Mountain Dairy Farm, Kapeeka.



150 kWp solar panels
Grid + Generator integration
Ranchers Finest Factory, Bwaise.



500 kWp Solar Panels
200 kWh battery back-up
Kyamuhunga Tea Company, Bushenyi.



200 kWp Industrial solar PV solution at
Jesa Farm Dairy, Busunju.



250 kWp solar panels grid connected at
Psalms Foods Industries, Nansana..

HEALTH SECTOR



65 kWp grid tied system at **Case Medical center**, Kampala.



100 kWp Solar PV solution, 120 kWh solar back-up at **Corsu Rehabilitation Hospital**, Entebbe Kisubi.



72 kWp Solar PV and Battery at **Lubaga hospital** Kampala.



Solar PV System extension with 22 kWp of solar panels and 21 kWh at **Nagalama Hospital**, Nagalama.



10 kWp solar pv solution, 9.6 kWh back up at **Living Labs Kajjansi**, Kajjansi.



Installation of 3 to 10 kWp and 5 to 15 kWh PV Solar Systems at **250 Health Centers in Uganda**, in cooperation with **UNICEF** and **Ministry of Health Uganda**.

EDUCATION SECTOR



20kWp solar Pv solution for direct saving at **Ambrosolis International School, Bugolobi.**



7 kWp Solar and 15 kWh battery back-up in off-grid mode at **Amasiko Green Schools, Kabaale.**



130 kWp Solar PV solution at **Internation University o East Africa, Kansanga.**



30 kWp solar PV solution and 30 kWh battery back-up at **Soroti Youth Skills Centre Foundation, Soroti.**



12 kWp at **Uganda Catholic Management and Training Institute, Kampala.**

AGRICULTURE SECTOR



200 kWp Solar PV solution, 200 kWh solar back-up at **Jambo Roses ,Nakawuka.**



20 kWp and 19kWh solar system with back up at **Department of Agriculture Kisumu Kenya.**



22 kWp and 57 kWh solar system with back up at **Sustainable Agriculture Tanzania in Morogoro.**



HOSPITALITY SECTOR



28 kWp solar system with grid connection at **Aquarius Resort**, Kigo.



35 kWp solar system with grid connection at **Yujo Izakaya Restaurant** Kampala.



95 kWp solar system with grid connection at **Quality Hill Mall**, Gabba Road.



30 kWp solar system and 96 kWh battery back up at **Masindi Hotel**, Masindi.



5kWp solar PV and 10kWh battery at **Rukararwe Eco Travel Cottages**, Bushenyi.

COMMUNICATION SECTOR



86 kWp Solar PV solution, 96 kWh solar back-up at **Next Media Park** Kampala.



Design of a PV solar power plant up to 500kWp at **GIZ Uganda/ Radio Pacis**

CONSULTING



GIZ/MEMD/UIA-Mbale: Development of a model for eco industrial parks in Uganda.



PDP/GIZ/IRC-Moroto: Site assessment and load profile measurements at 10 sites.



Heifer feasibility study Nakaseke: Energy assessment done and system recommended.



NWSC Wobulenzi: A feasibility study on country wide road map for solarizing boreholes in Uganda.



UNHCR/GIZ- Yoro : Load measurements and solar PV solution development for 7 different UNHCR sites.



GIZ/Uganda-Igara tea factory: Development of holistic energy supply and energy efficiency solutions for 7 tea factories in Uganda.

OPERATION AND MAINTENANCE SERVICES



Kyamuhunga Tea Factory: Solar panel cleaning taking place.



Corsu Hospital: Solar panel cleaning taking place.



Quality Hill Mall: Solar panel cleaning taking place.



Spouts of Water: Solar panel cleaning taking place.



Next Media/NBS: System Inspection taking place



Ranchers finest: Solar panel cleaning taking place.

HUMANITARIAN



5kWp solar PV at **Toro Babies home** in Fort Portal Kabarole.