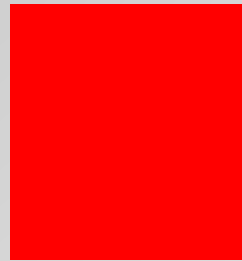


Sustaineering is Engineering to Sustainability

Sustaineering



STATEMENT OF
METHODOLOGY





PROGRAM

- **About Us**
- **Service**
- **Meet The Team**
- **Scope of Consultancy**
- **Commissioning Cycle**
- **Workflow & Process**
- **References**
- **Instruments**

ABOUT US

Venco is a wholly owned foreign enterprise, located in Suzhou, Jiangsu China with the intention to link, in the field of green building approach, independent German engineering ethics versus business driven pushing of paper.

Venco is working closely with and combines the German and Chinese Universities as well as foreign and local Energy Expert Firms to convey the engineering science with reasonable and overhead free pricing. The objective is supporting the Asian facility owners on their way to sustainable efficiency and system reliability.

OUR SERVICES

Sustaineering



Commissioning

Building Automation



Solaring
Operation
Consultancy
Due Diligence

OUR SERVICES

Sustaineering

- Value Engineering
- Engineering Solutions
- Energy Solutions
- Conceptual Planning
- Design Review
- Supplier Assessment
- Solar System

OUR SERVICES



Commissioning

- Building Commissioning
- Re-Commissioning, Retro-Commissioning
- 3rd Party Verification
- LEED C_xA
- Computerized T+C
- System Integration
- Handover Verification

OUR SERVICES

Operation
Consultancy
Due Dilligence

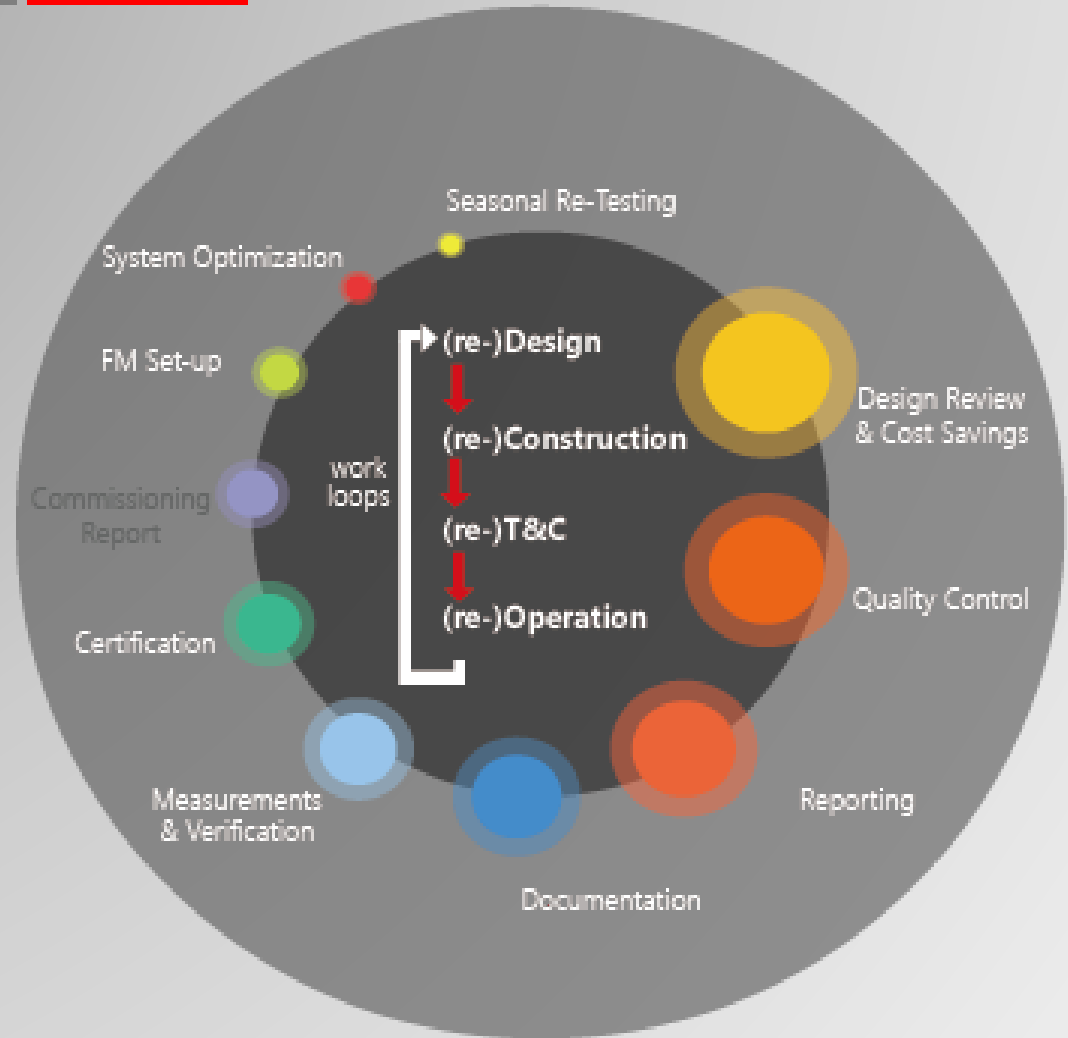
- Facility Audits
- Facility Management System Set-up
- Facility Management Supervision
- Operation Optimization
- Remote Database Service

OUR SERVICES

BAS Building Automation

- ControLogic
- Programming
- BAS Commissioning

COMMISSIONING CYCLE



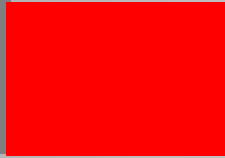
VENCO ACTS AS AN ENGINEER

HE SUPPORTS THE PROJECT MANAGEMENT TEAM AND THE JIAN LI IN ALL KIND ENGINEERING TECHNOLOGY AND QUALITY TASKS

THE Cx ENSURES THAT ALL SYSTEMS ARE WORKING AS ONE UNIT ON HIGHEST EFFICIENCY.

REFERENCES

Retail + Commercial



C_xA Commissioning Agent
Actual design review



Commissioning Agent
C_xA and CP activities

REFERENCES

Textile Industry



Weaving Seaming Pressing
MEP Consulting and CP

Nylon Texturizing EPCm and CP



Textile Machinery EPCm and CP

REFERENCES

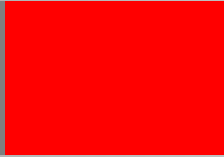
Automotive Industry

EMC,
Energy Management Contracting
Sustainability Improvements



REFERENCES

Electronics Industry



EPCm, Engineering Procurement and Construction Management



CP, Commissioning Provider



LEED Gold
LEED Consulting and C_xA



REFERENCES

Heavy Industry, Foundries



EPCm, Engineering Procurement and Construction Management

Mold Drying Chamber
Special Engineering



LEED Consulting & C_xA



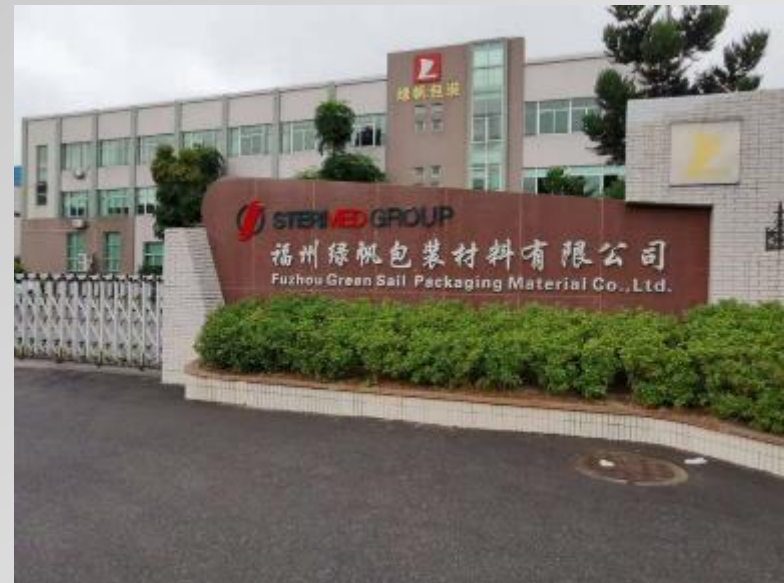
REFERENCES

Industry

EPCm, Engineering Procurement and Construction Management



Sewage Pump Tester
Special Engineering



REFERENCES

Chemical & Medical Industry

CP,
Commissioning Provider
Re-commissioning
Sustainability

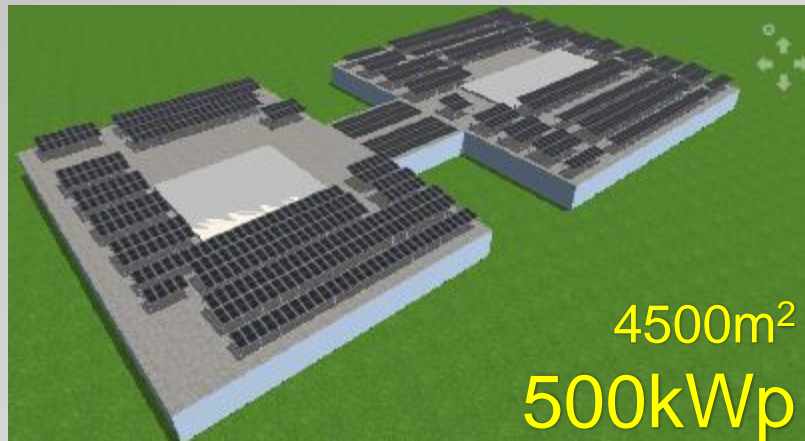


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PV Solar Systems

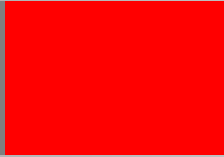


Redesign and Commissioning

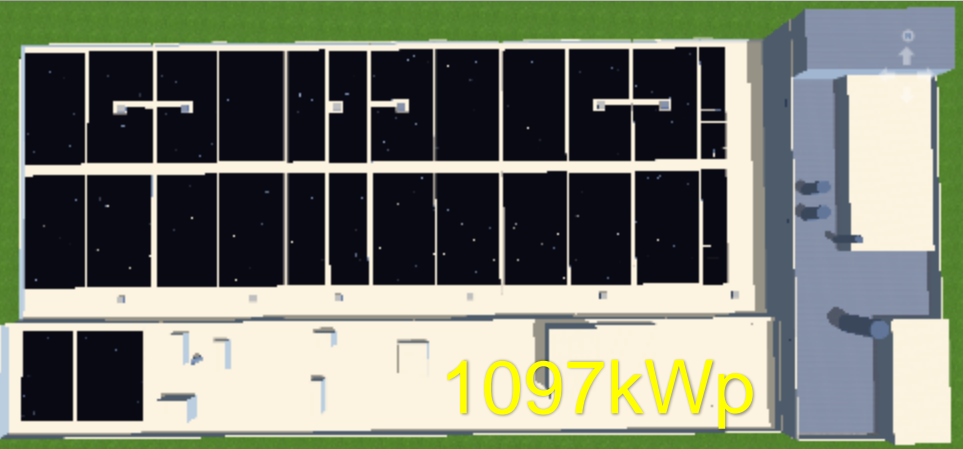


REFERENCES

PV Solar Systems



Design and Commissioning

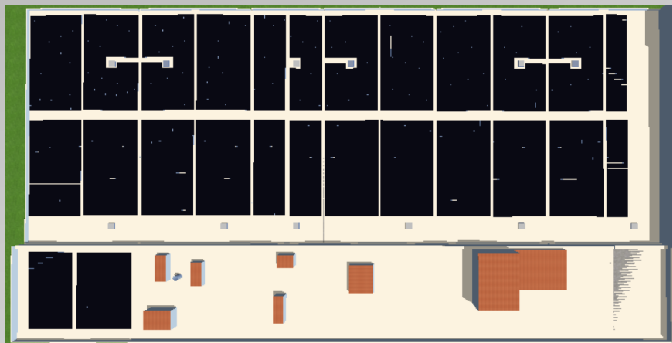


REFERENCES

PV Solar Systems



Design and Commissioning



1097kWp

REFERENCES

PV Solar Systems



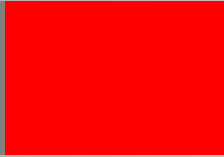
Design and Commissioning



1097kWp

REFERENCES

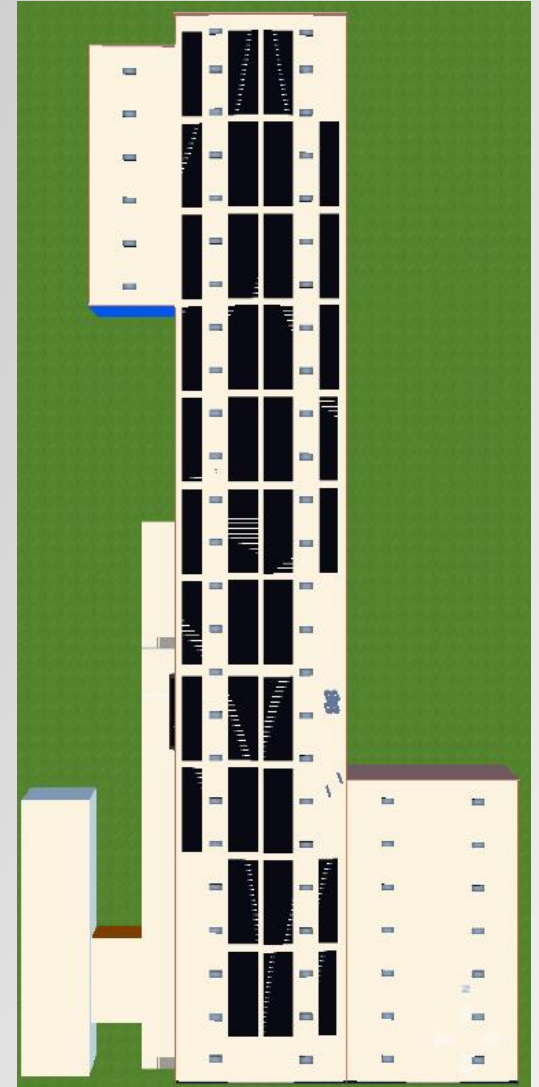
PV Solar Systems



Design and Commissioning

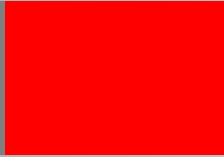


912kWp



REFERENCES

PV Solar Systems



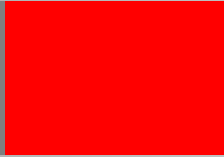
Design and Commissioning



912kWp

REFERENCES

PV Solar Systems



Design and Commissioning

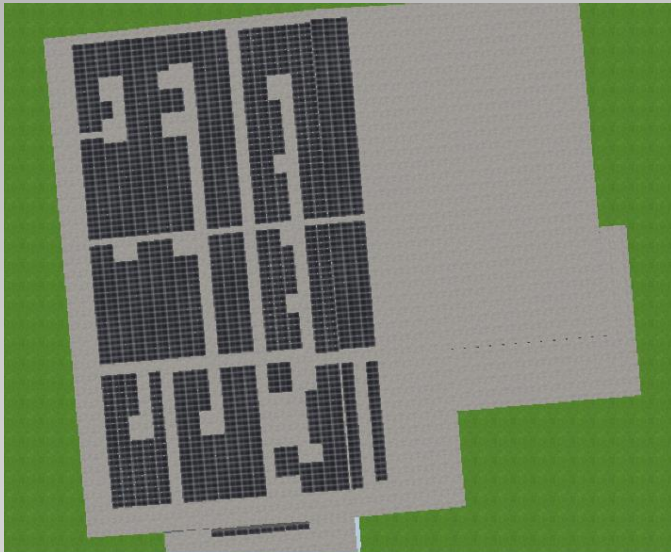


600kWp

REFERENCES

PV Solar Systems

Design and Commissioning



752kWp

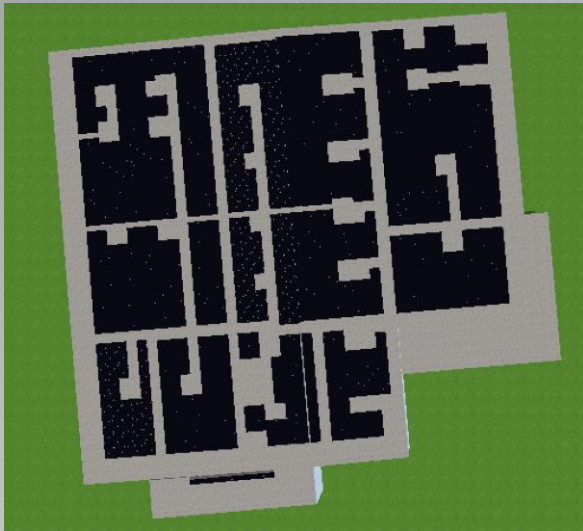
REFERENCES

PV Solar Systems

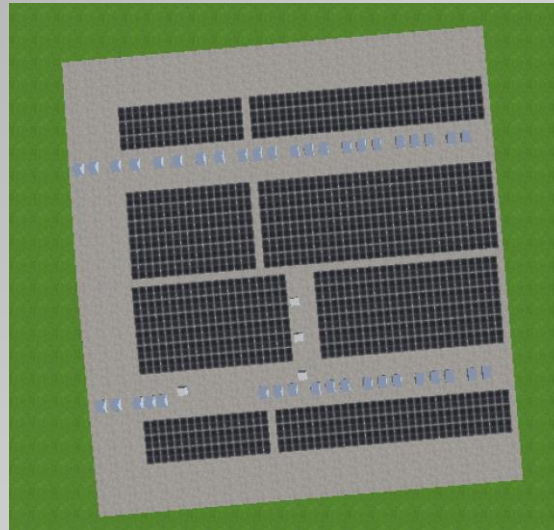
Design and Commissioning



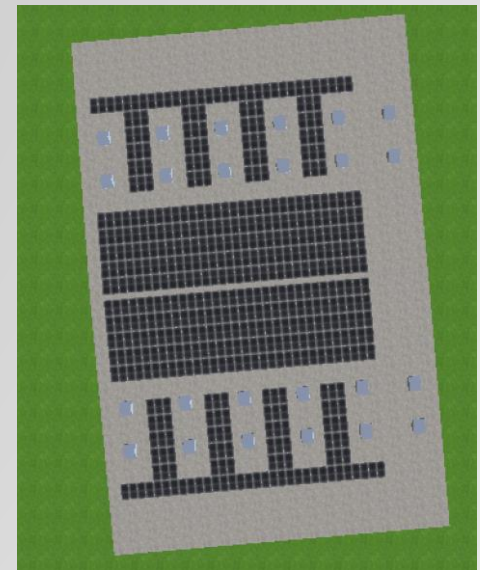
Phase I



Phase II



Phase III



1,936kWp

REFERENCES

PV Solar Systems

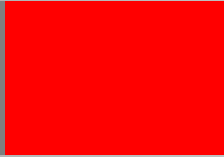
Design and Commissioning



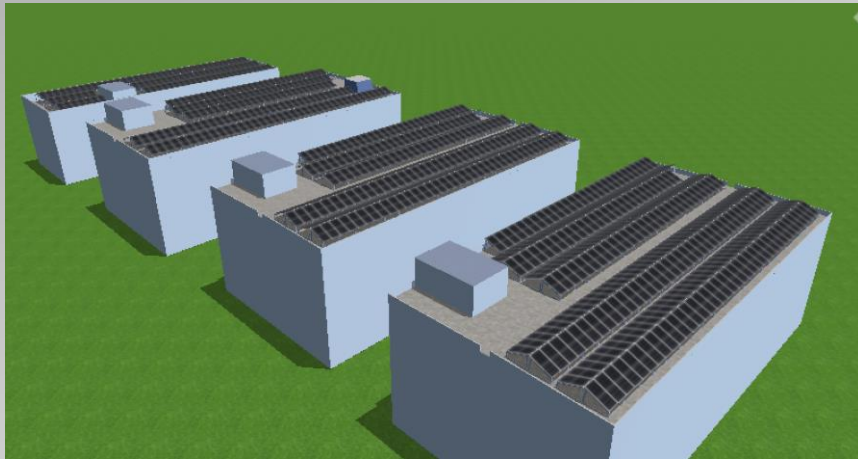
462kWp

REFERENCES

PV Solar Systems



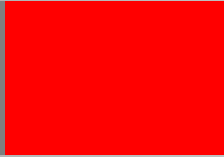
Design and Commissioning



585kWp

REFERENCES

PV Solar Systems

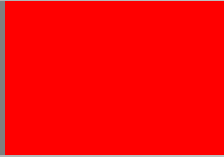


Design and Commissioning

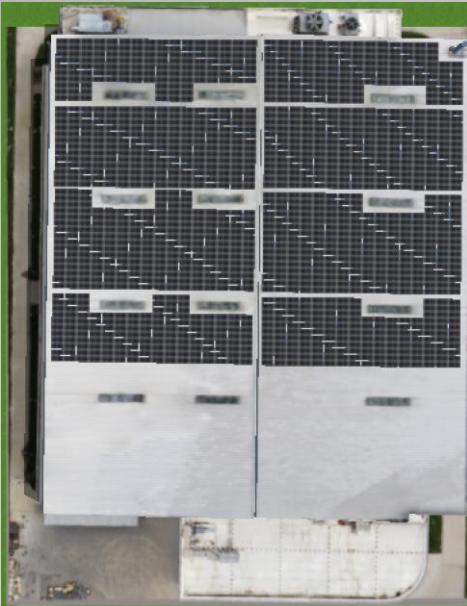


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PV Solar Systems



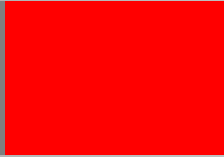
Design and Commissioning



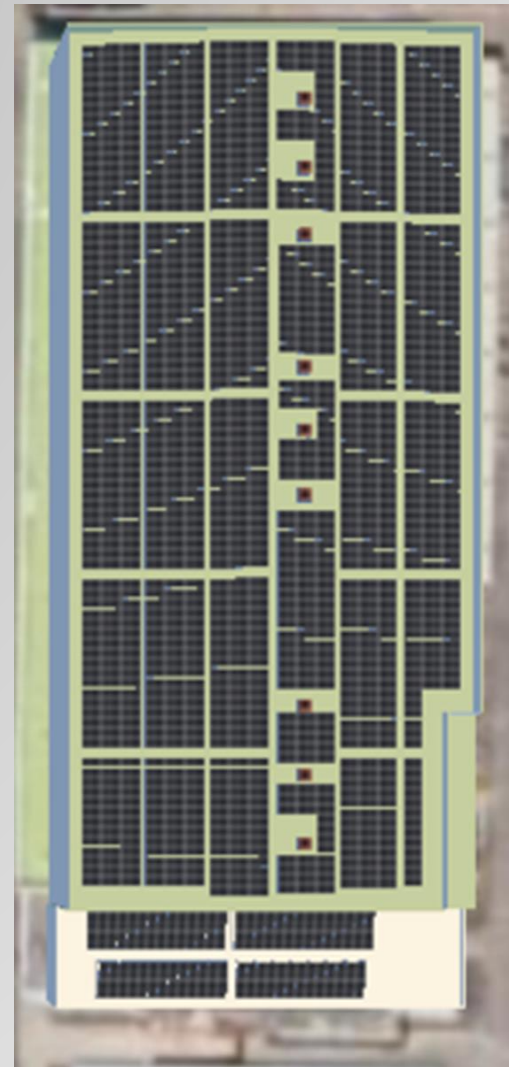
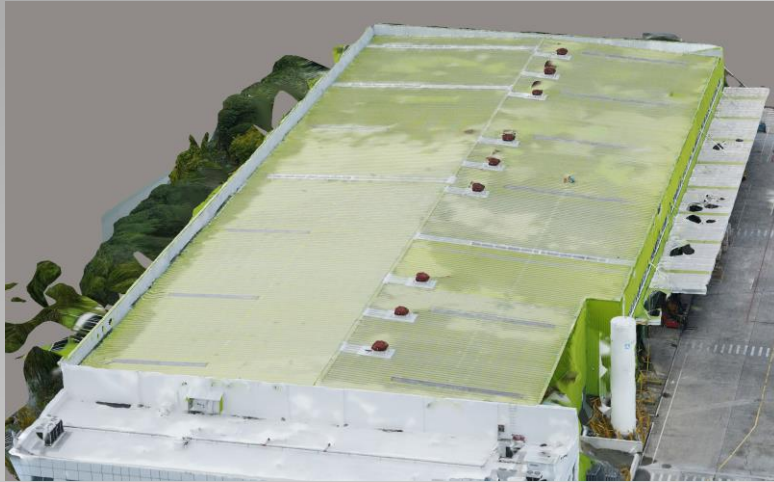
803kWp

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PV Solar Systems



Design and Commissioning



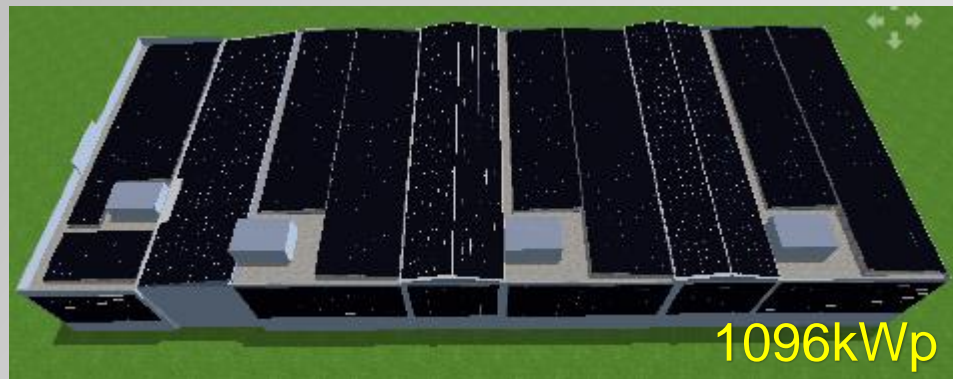
811kWp

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PV Solar Systems

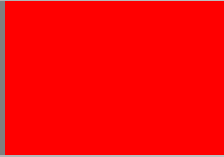


Feasibility Studies

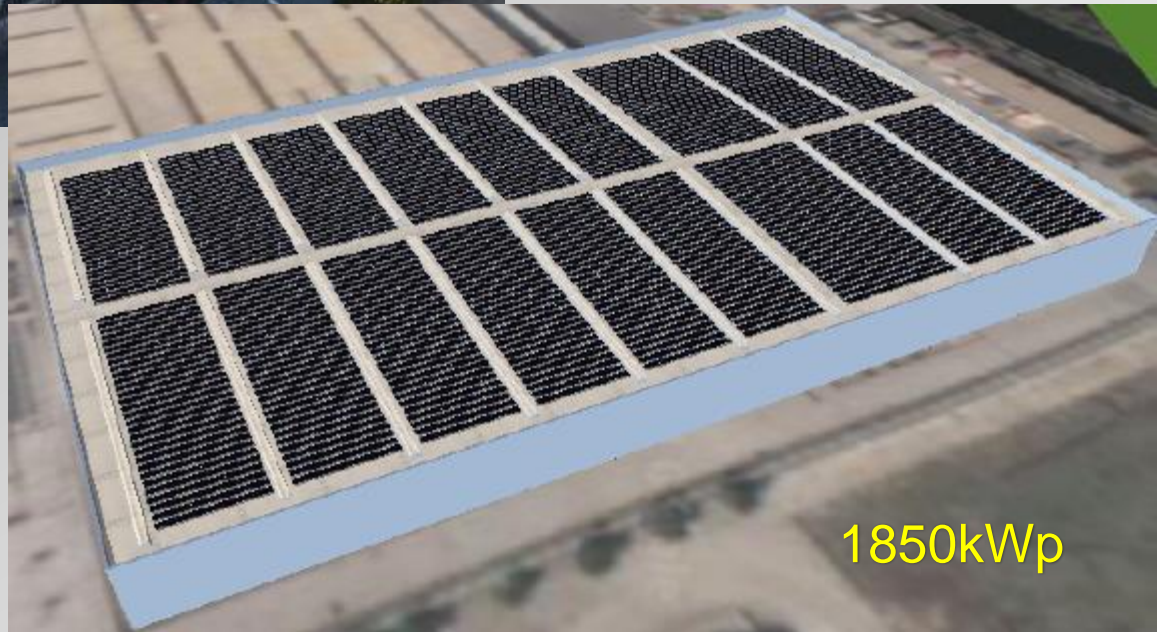


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PV Solar Systems

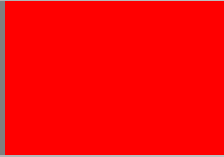


Feasibility Studies



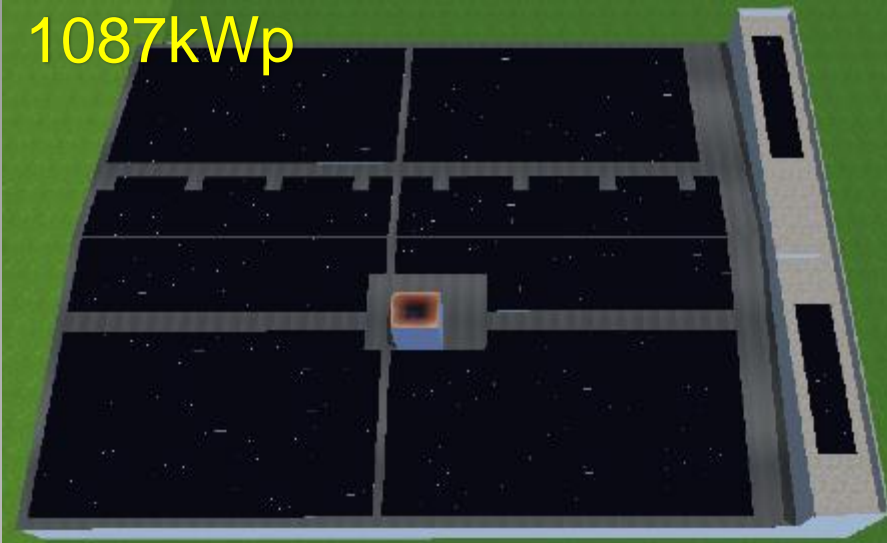
REFERENCES

PV Solar Systems

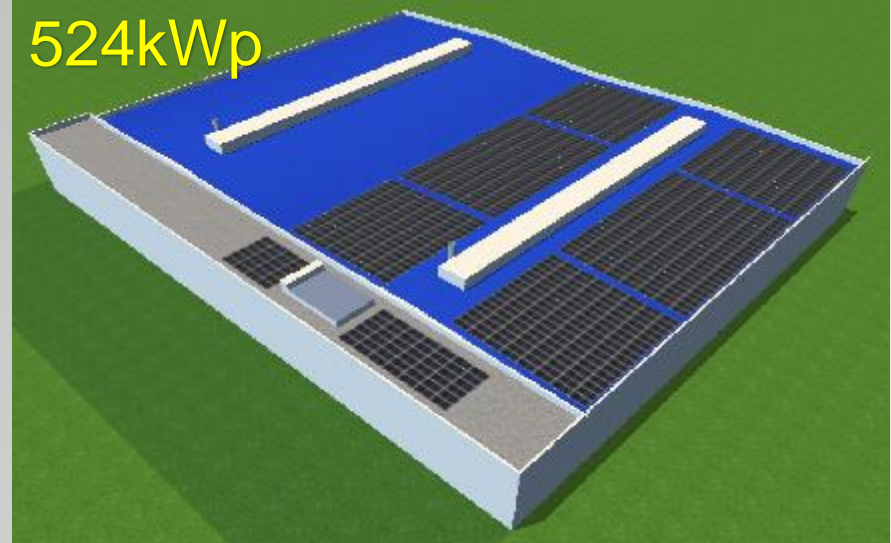


Conceptual Design

1087kWp



524kWp



1440kWp

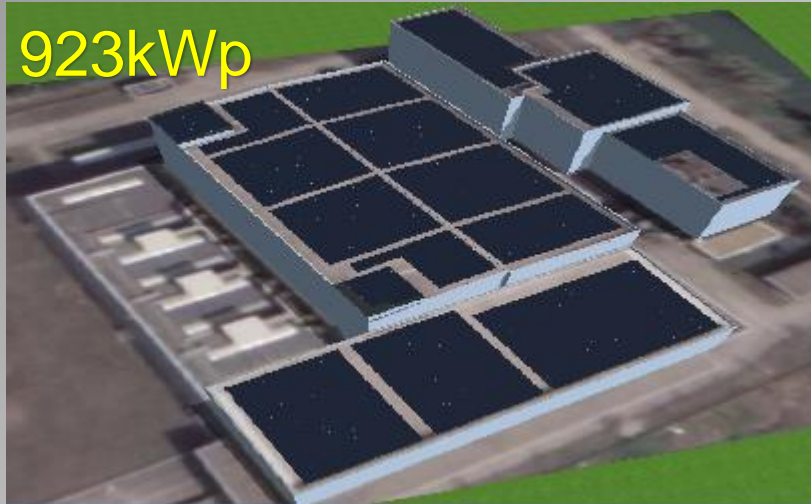


REFERENCES

PV Solar Systems



Conceptual Design



TOOLS & INSTRUMENTS



Function/Instrument Type	Type
Rotation Measurement / Digital Rotational Speed – Dual Functions	Testo 470
Air Pressure Measurement / Digital Manometer	Testo 512
Humidity Measurement / Digital Hygrometer	Testo 610
Humidity Measurement / Digital Hygrometer	Testo 625
Thermal (Infrared) Thermometer	Testo 830 T1
Temperature Measurement / Digital Thermometers/Contact	Testo 905 T2
Light Level Meter	TES 1330 A
Sound Level Meter	Testo 815
Thermal Image Camera	Flir i3
Ultrasonic flow meter	TUF 2000 H

TOOLS & INSTRUMENTS

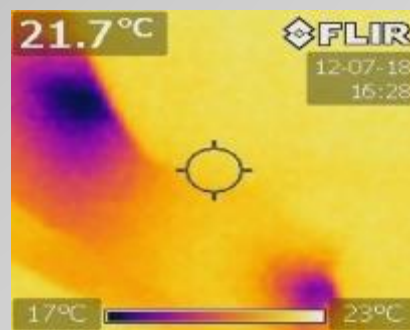
Tinytag Energy Data Logger

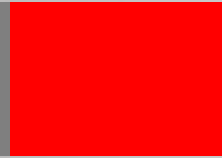


Ultrasonic Flowmeter

TOOLS & INSTRUMENTS

Thermal Camera

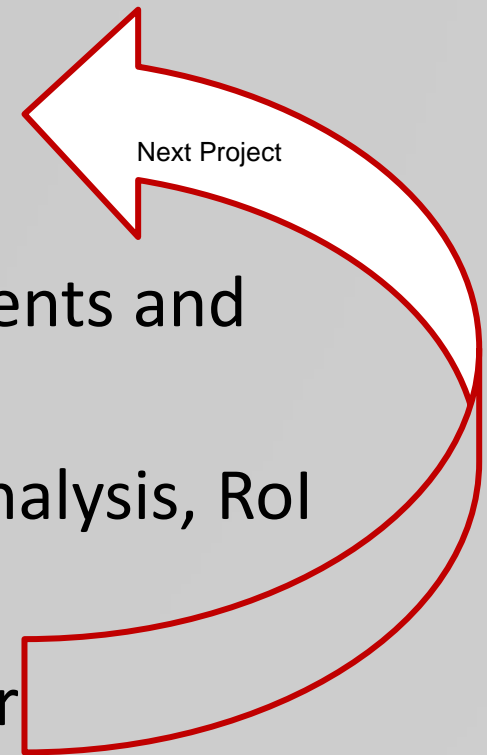




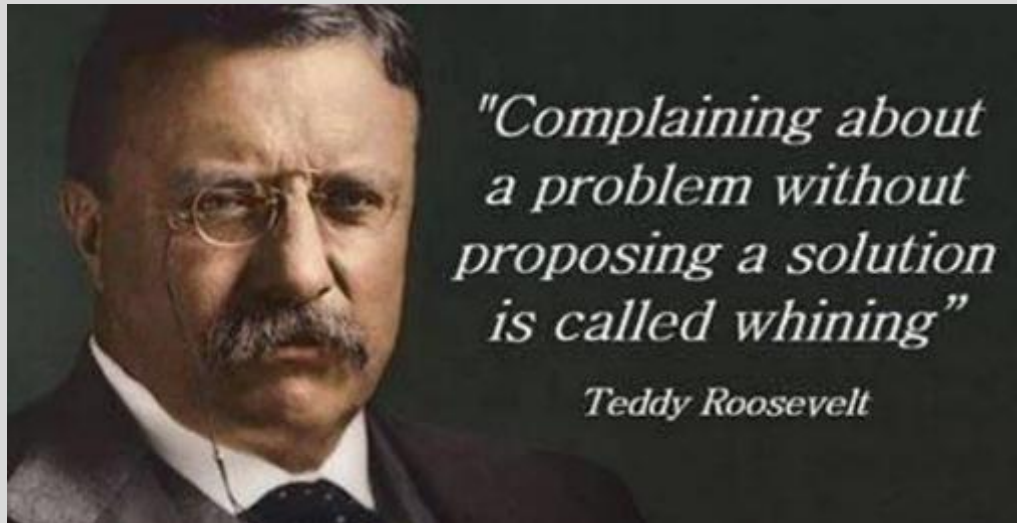
1. Sustainability Frame Contract

2. Single Project Subcontract

- Project Definition
- Detailed review, measurements and evaluation
- Design, Budget, Financial Analysis, Rol
- Start / Stop Decision
- Project Execution, Handover
- Verification



Sustaineering is Engineering to Sustainability



*"Complaining about
a problem without
proposing a solution
is called whining"*

Teddy Roosevelt

Q&A

“Eine Beschwerde über ein Problem ohne einen Lösungsvorschlag
Nennen wir Jammern!”



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