



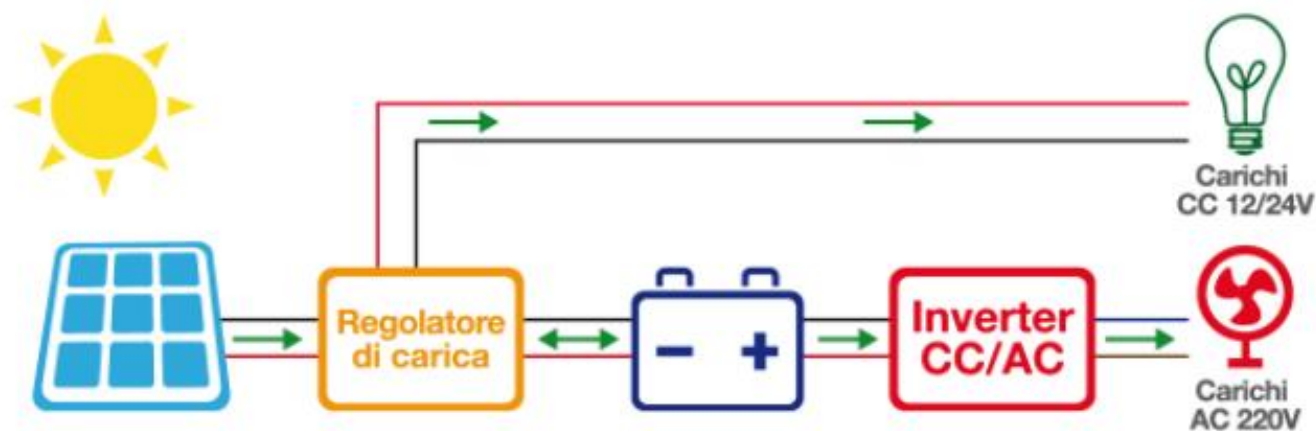
rem **TEC**

GREENPOWER **TO THE PEOPLE**



ENERGY PRODUCTION OPTIMISATION FOR PHOTOVOLTAICS AND AGROVOLTAICO®

STAND ALONE POWER SYSTEM

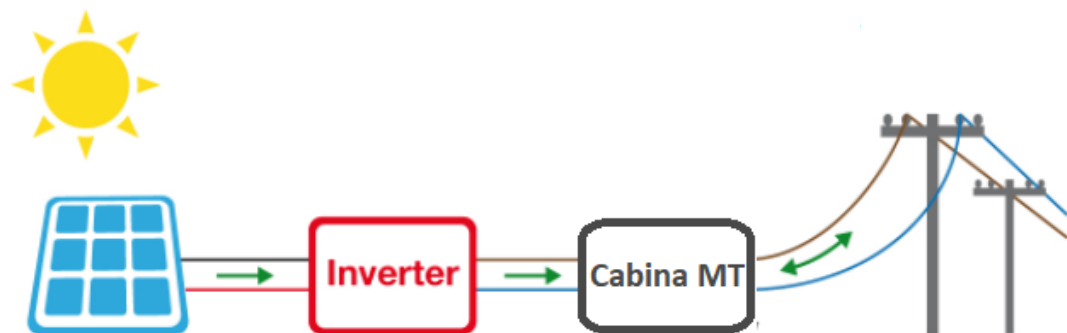


Application examples:

- Military installation
- Rural elettrification
- telecommunications installations and remote monitoring stations

GRID CONNECTED PLANTS

❑ Energy sale only



❑ Self-consumption and sale

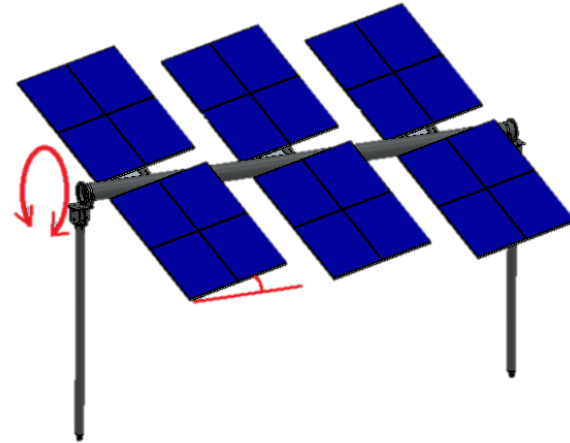


Application examples :

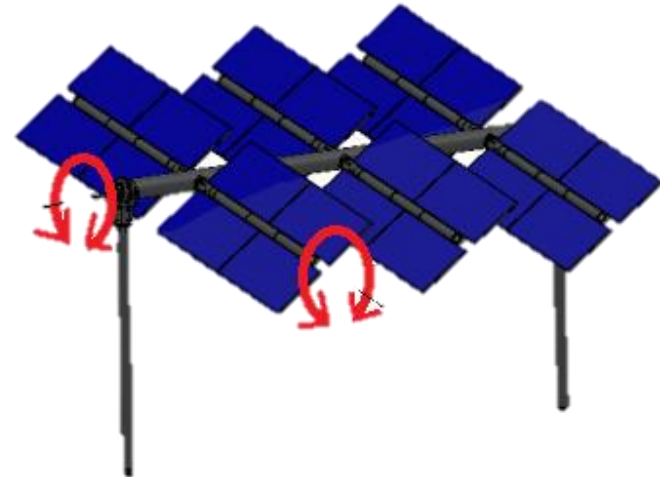
- Energy production for sale on the energy market
- Provide energy for residential or commercial buildings
- Provide energy for industries or farmers

SOLA TRACKING PLANTS

❑ Single axis tracker

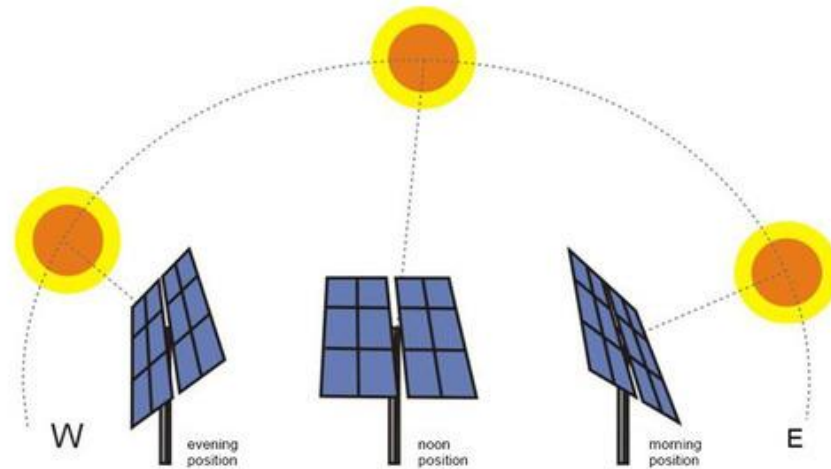


❑ Dual axis tracker

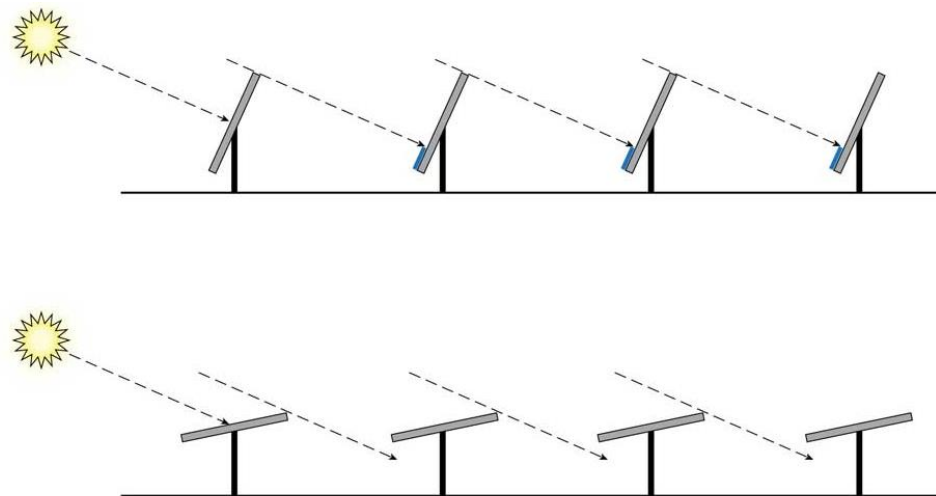


SOLAR TRACKING PLANTS

☐ Tracking system



☐ Backtracking



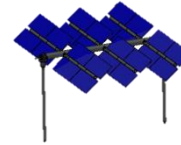


MAIN COMPONENTS

☐ PV modules



☐ Solar trackers



☐ Solar strings and string boxes



☐ Parallel switchgears DC/AC



☐ Inverters



☐ Batteries



☐ Transformers



OPTIMISATION NEW AND EXISTING PLANTS

☐ Engineering

- Design and modeling of the system
- Factory inspection and checks on site
- High qualified installer

☐ Revamping

- Optimisation of the monitoring system
- Replacement with more efficient components
- Conversion of fixed plant in solar tracking system

☐ O&M

- Optimisation of the maintenance control and interventions
- Collecting data in order to optimize preventive maintenance and define curative maintenance

DRONES AND THERMOGRAPHY

❑ **Collecting data for optimisation of existing and new plants**

- Diffuse and multifunction investigation
- Fast identification of anomalies and problems
- Reduction of the waiting time and operation time for maintenance





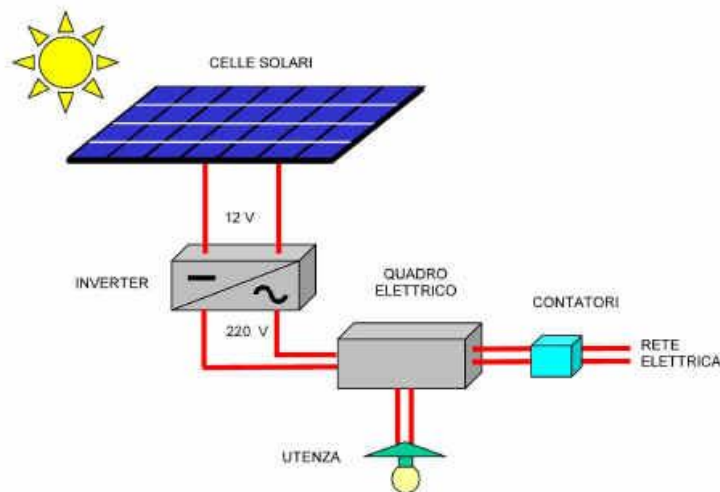
AGROVOLTAICO® PLANT

- ❑ Advanced modeling of the system both for energy and agriculture (Voltaico Plus ®)
- ❑ Optimization of the plant layout
- ❑ Identification of the crops more appropriate
- ❑ Best practice for installation and maintenance

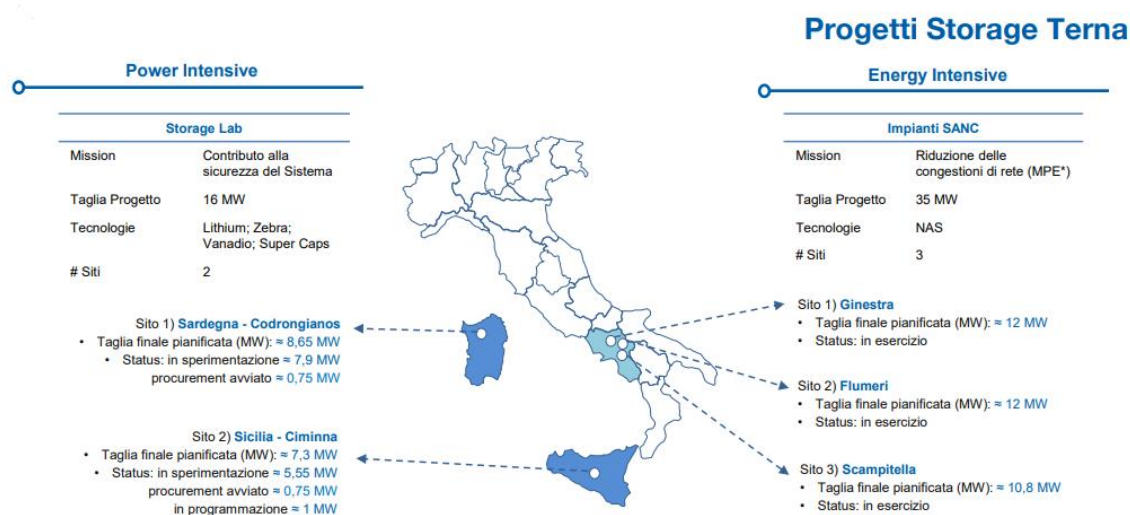


STORAGE SYSTEM

Local

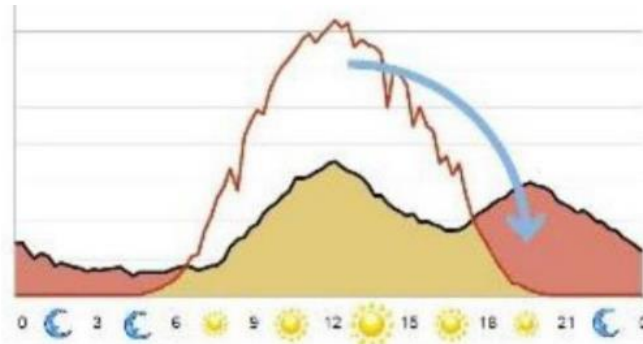


Grid

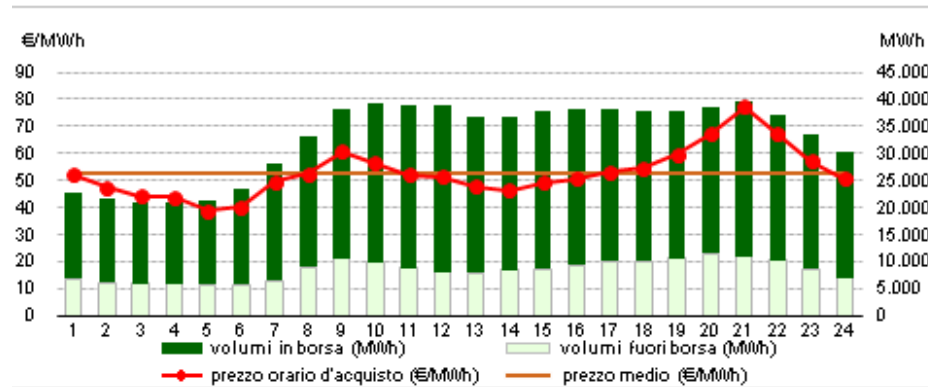


STORAGE SYSTEM

❑ Optimisation of the self-consumption profile



❑ Optimisation of the sale (selling with daily peak price hours)



❑ Provide energy on demand



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ENERGY AND AGRICULTURE: AGROVOLTAICO®

GREEN POWER TO THE PEOPLE



THANKS FOR YOUR ATTENTION

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