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“ You have more than 70 GW of renewable production in Germany, which is roughly equivalent to 70 nuclear power stations switching on or off, and it creates a huge need to know the potential wind or solar production. ”

**Head of Gazprom
Marketing & Trading**

SOLAR POWER ON THE RISE

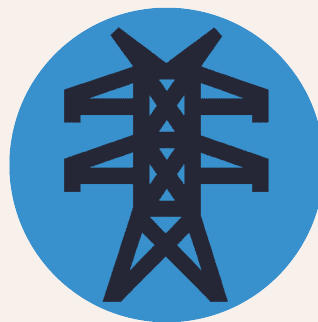
While more and more installations are connected to the electricity network, the issue of managing the predictability of intermittent renewable energy sources has become essential.

Network operators and plant managers need a prediction tool to make solar electricity production reliable.

Soleka, our powerful power production forecasting tool, has been designed to help stakeholders to successfully and reliably integrate solar energy on the grid.

YOUR SOLAR POWER PRODUCTION FORECASTING TOOL

Soleka is a decision-making tool, intended to ease the introduction of renewable energies in the energy mix as it will enable to forecast the production of solar power plants at three time scales.



1 DAY AHEAD
FORECASTING FOR
SCHEDULING



6 HOURS AHEAD
INTRADAY FORECASTING FOR
LOAD FOLLOWING



30 MIN AHEAD
NOWCASTING FOR
REGULATING

Concerned stakeholders



- # Transmission system operators (TSOs)
- # Energy traders
- # PV contractors
- # Distribution system operators (DSOs)



- # Storage users
- # Production operators
- # Virtual power plants
- # Energy traders



- # Electricity suppliers
- # Smart-grid managers
- # Dispatchers, particularly in islands

FOCUS ON...

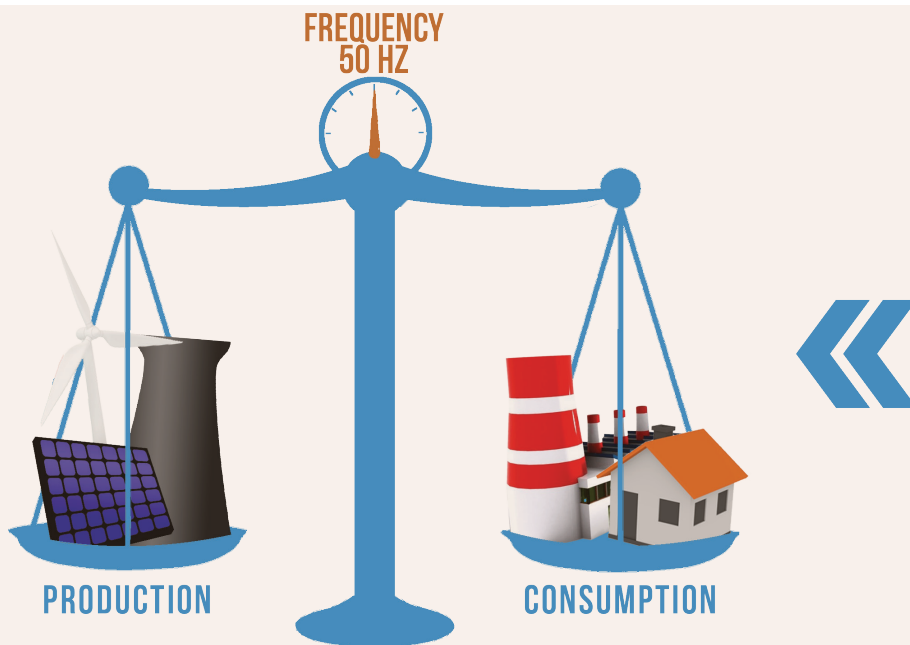
TRANSMISSION SYSTEM OPERATORS (TSOs)

A VITAL ROLE IN THE UPKEEP OF GRID STABILITY

TSOs are in charge of maintaining the electricity grid's safety and reliability at all times. A failure in the network could cause personal property damages to a great number of customers, as well as security and supply issues.

TSOs forecast day-ahead load and schedule energy generation to make sure enough generation and sufficient reserve capacities are available if demand increases beyond the forecast or if a power plant or power line fails. Moreover, forecasts enable to buy or sell the right amount of energy at the right price.

“ On 11/05/2014, between 2pm and 3pm, due to negative spot prices, German TSOs had to pay more than €2.7M to get rid of the excessive energy they had not forecast! ”



SOLAR FORECASTING FOR TSOs

BENEFITS

- # Day-ahead reliability planning
- # Optimal scheduling (Security constrained unit commitment)
- # Load forecasting
- # Transmission security planning

WANT TO KNOW MORE ABOUT REUNIWATT?

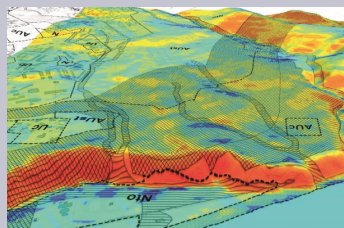
Reuniwatt is a Soft Grid startup, settled in Reunion Island (France).

Reuniwatt specializes in three core activities:

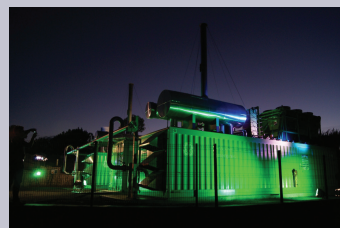
SOLAR POWER FORECASTING



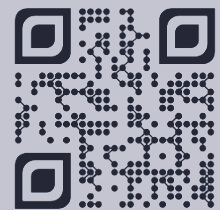
CLIMATIC INFORMATION SYSTEMS



ENERGY MIX EXPERTISE



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