Reuniwatt

Excellence in forecasting

AI for Renewable Energy Forecasting and Weather Monitoring: an innovative SME from La Réunion (FR)

“Online Brokerage Event - Artificial intelligence in Horizon Europe calls”
25/02/2026

Net4 society

A complete solar & wind data and forecasting portfolio

SunSat™ *time series*
historical solar data worldwide

SunSat™ *live*
live solar data worldwide

SunSat Digital Twin™
health-check of solar assets

LOCAL
InstaCast™
intrahour solar forecasts

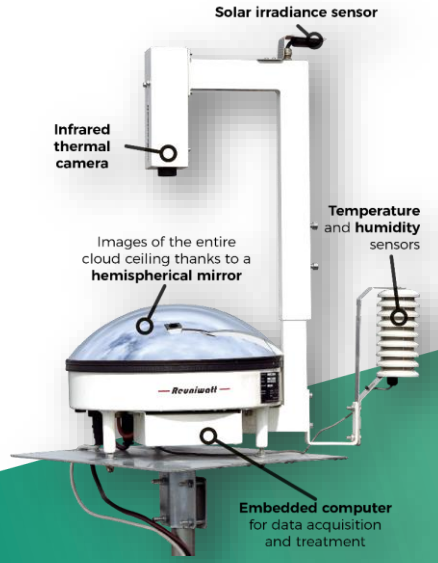
GLOBAL
HourCast™
intraday solar forecasts

GLOBAL
DayCast™
day-ahead solar forecasts

Resource assessment | Real-time monitoring | Forecasting

SOLAR DATA **SOLAR & WIND FORECASTING**

Sky Cam Vision™:
the visible range all-sky camera



Sky InSight™:
the thermal-infrared sky imager

Cooperation, Research & Innovation at Reuniwatt

Technological Expertise:

- **Data science:** nowcasting/forecasting, numerical weather prediction, deep learning, computer vision, digital twins;
- **Renewable energy;**
- **Atmosphere- and weather**-related applied sciences (clouds, aerosols, irradiance);
- **IoT sensors:** manufacturing and integration.

Founded in

2009

Innovating in

3

application domains:
Renewable energy,
Aerospace & defence,
Atmospheric sciences.

>300 operations in

45

Countries

incl. FR, ES, DE, BE, NL, IT, AL, HU, GR, PT, CH, SE, AT, CZ, DN.

Strong R&D investments:

400,000

hours,
>100 publications,
7 patents

Funded by the Horizon 2020 Framework Programme of the European Union

Interreg Océan Indien

Cofinancé par l'UNION EUROPÉENNE

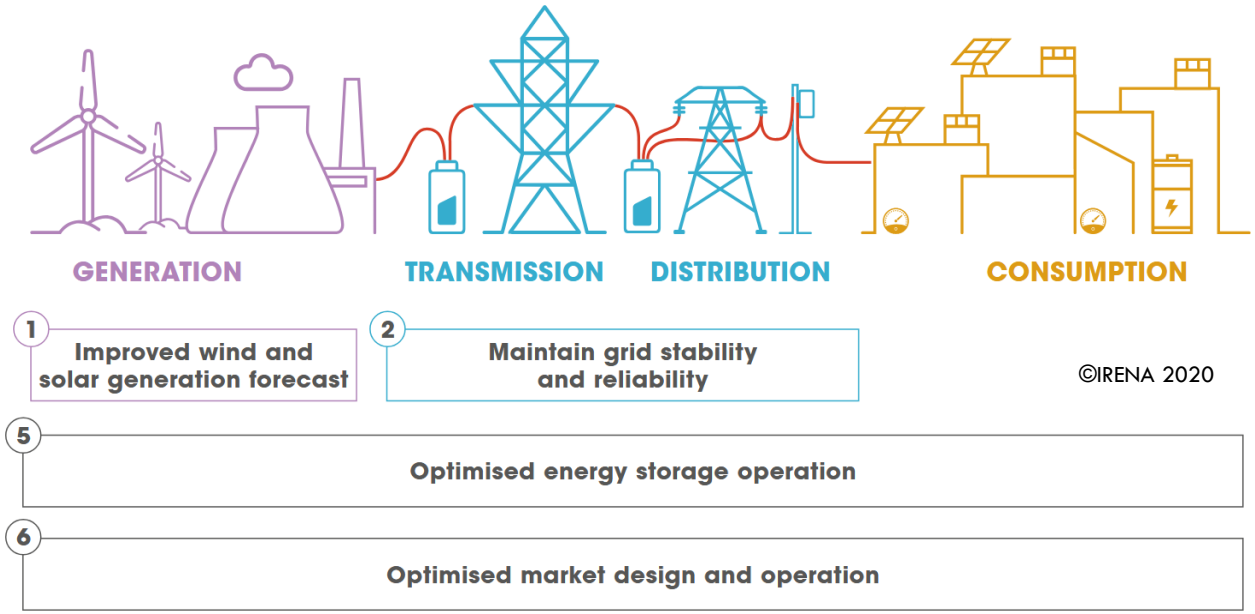
Destination Earth

Reuniwatt's AI in Horizon Europe

Topic call	Name
HORIZON-CL4-2026-05-DIGITAL-EMERGING-02 (RIA)	Next-Generation AI Agents for Real-World Applications in the **Apply AI sectors** (Partnership in AI, Data and Robotics)

- **Foundation models** for energy
- **Digital twins** of the grid or energy infrastructure
- Demand-supply **flexibility services**
- The upcoming Energy Data Space and potential Energy Data Lab

To sum up, we contribute to:



We look for partners in:

- Energy demand forecasting
- Foundation models
- Policy and governance of AI and/or energy
- Sociology and Economics of energy

We can provide R&D work to:

- Collect **specifications** of new end-users to design new methods.
- Co-design and implement **data-driven decision support tools.**
- Improve our **forecasts/nowcasts** and **real-time irradiance estimation.**
- **Raise awareness** on renewable energy, space and meteorological technologies.

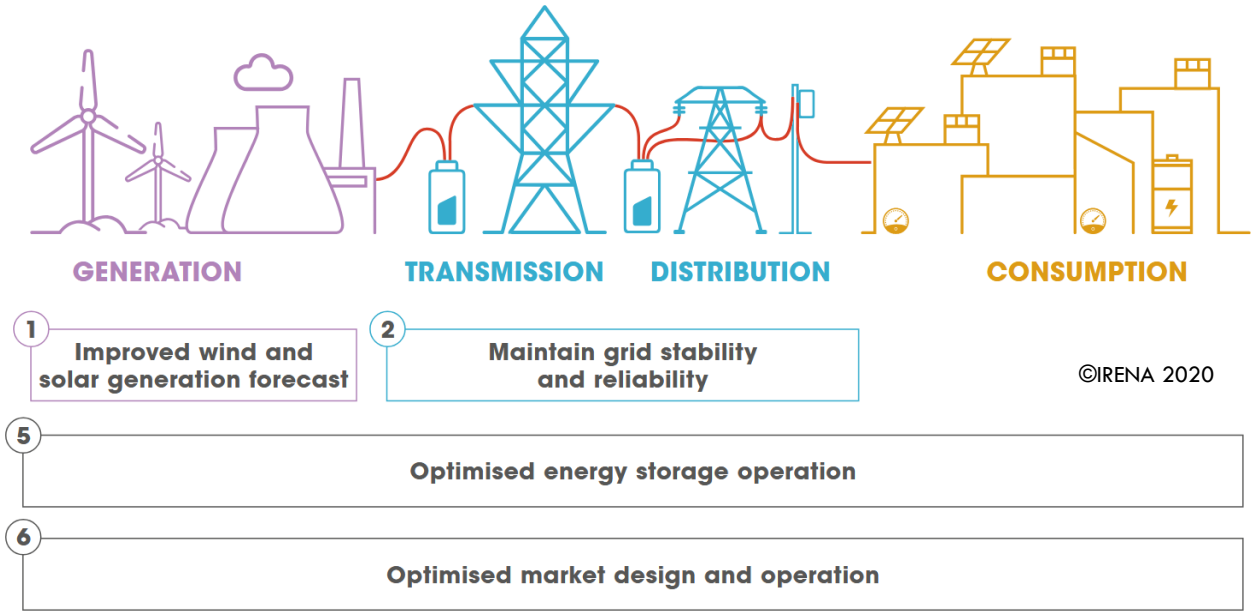
Reuniwatt's AI in Horizon Europe

Topic call	Name
HORIZON-CL5-2026-03-D3-22 (IA)	AI-driven **forecasting algorithms** for Grid and Consumer friendly Energy Sharing – Societal Readiness pilot
HORIZON-CL5-2026-11-D3-23 (IA)	Data sharing to support the training and development of **AI foundation models** in the energy sector
HORIZON-MISS-2026-04-CIT-01 (RIA)	**Energy efficient** urban and sub-urban public transport, complemented by shared mobility
HORIZON-CL4-2026-05-DIGITAL-EMERGING-02 (RIA)	Next-Generation AI Agents for Real-World Applications in the **Apply AI sectors** (Partnership in AI, Data and Robotics)

We look for SSH partners in:

- Multiscale governance of energy
- Regulatory constraints for energy forecasting
- Sociology and Economics of energy
- Advocacy for energy policy
- Ethics of energy-related personal data
- Socio-economical analysis of forecast-based grid management
- Energy-related risk aversion in EU cultures and communities

To sum up, we contribute to:



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Contact details

- SME based in France: La Réunion (outermost region), Toulouse and Paris.

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