

# Forecast your consumption and generation to maximize your benefit

+1,000



Target audience: Local energy system operators, aggregators, DER operators, facility and energy management.

Renewable sources of energy, such Photovoltaic or wind generation, are intermittent. In order to maximize the use of the energy they can generate, consumed or stored, it is needed to estimate the expected generation and the expected consumption. The Energy Forecaster provides the tool to forecast both generation and consumption.



The tool provides forecasting for different energy vectors: electrical and thermal loads; Photovoltaic and wind generation.



Data provided to the Energy Forecaster tool are first pre-processed by the Data Pre-Processing Application tool in order to ensure their quality.



Forecasting results are provided to the Optimal Scheduler tool in order to calculate the optimal scheduling of assets.

[www.elandh2020.eu](http://www.elandh2020.eu)

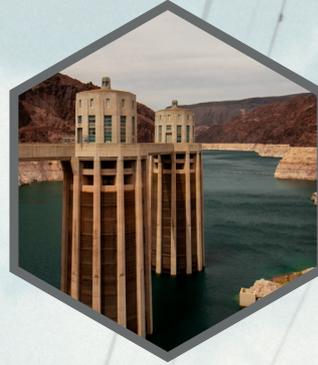


**Interested in our Energy Forecaster Tool?**

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# ENERGY FORECASTER



The Energy Forecaster tool provides hourly forecasting of electrical/loads and Photovoltaic/wind generation. Two forecasting horizons are provided: intra-day and day-ahead. Forecasts are based on weather data, characteristics of generation assets, and contextual information. Occupancy also can be considered as an input for forecasting. The application is fully integrable in the Energy Management System.

## KEY FEATURES

- Production/consumption forecasting
- Day-ahead forecasting: hourly forecasting of the next day.
- Intra-day forecasting: hourly forecasting of the remain of the day.

## KEY BENEFITS

- Estimation of the expected generation/consumption in different time horizons.
- The tool can be exploited separately (for example, detection of faulty/non normal consumption behaviours) or together with Optimal Scheduler tool (provides information needed by OS)

## REASONS TO GET ENGAGED

- Estimate your costs based on your expected production/consumption.
- More efficient management of your local energy system.

This project has received funding from the European Union's **Horizon 2020 Research and Innovation programme** under Grant Agreement No **824388**

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