

Wisogis

An intuitive online tool to facilitate site selection for your renewable plants



Wisogis simplifies multi-source data analysis and supports decision-making for the identification of the best location for your wind, solar and hybrid projects worldwide.

Tractebel has developed an integrated and easy-to-use online tool to help you find the best location for your renewable energy projects. Based on your projects inputs, Wisogis processes large amounts of data to provide you with a high-resolution heatmap describing the Levelized Cost Of Energy (LCOE) anywhere on the globe.

Our approach

Wisogis uses advanced modeling of wind turbines and solar panels as well as recognized climate datasets to estimate the hourly production of your renewable project.

Based on state-of-the-art GIS technology, Wisogis processes multiple geospatial criteria to determine no-go zones (natural parks, forests, urban areas, large waterbodies, etc.) as well as to evaluate the development costs of your project at each point considered (expenditures, connectivity to grid and topography).

As a result, Wisogis will provide you with a heatmap with a spatial resolution down to 250m describing the LCOE of your project in the area considered thanks to the high computing power of the Cloud technologies.

Our added value

Wisogis is an intuitive web application that delivers reliable results worldwide.

Our renewable energy production models are designed using climate models combined with operational data from ENGIE's global assets. In addition, Tractebel's extensive expertise in site screening and financial optimization of renewable projects has enabled us to develop a precise and up-to-date financial model.

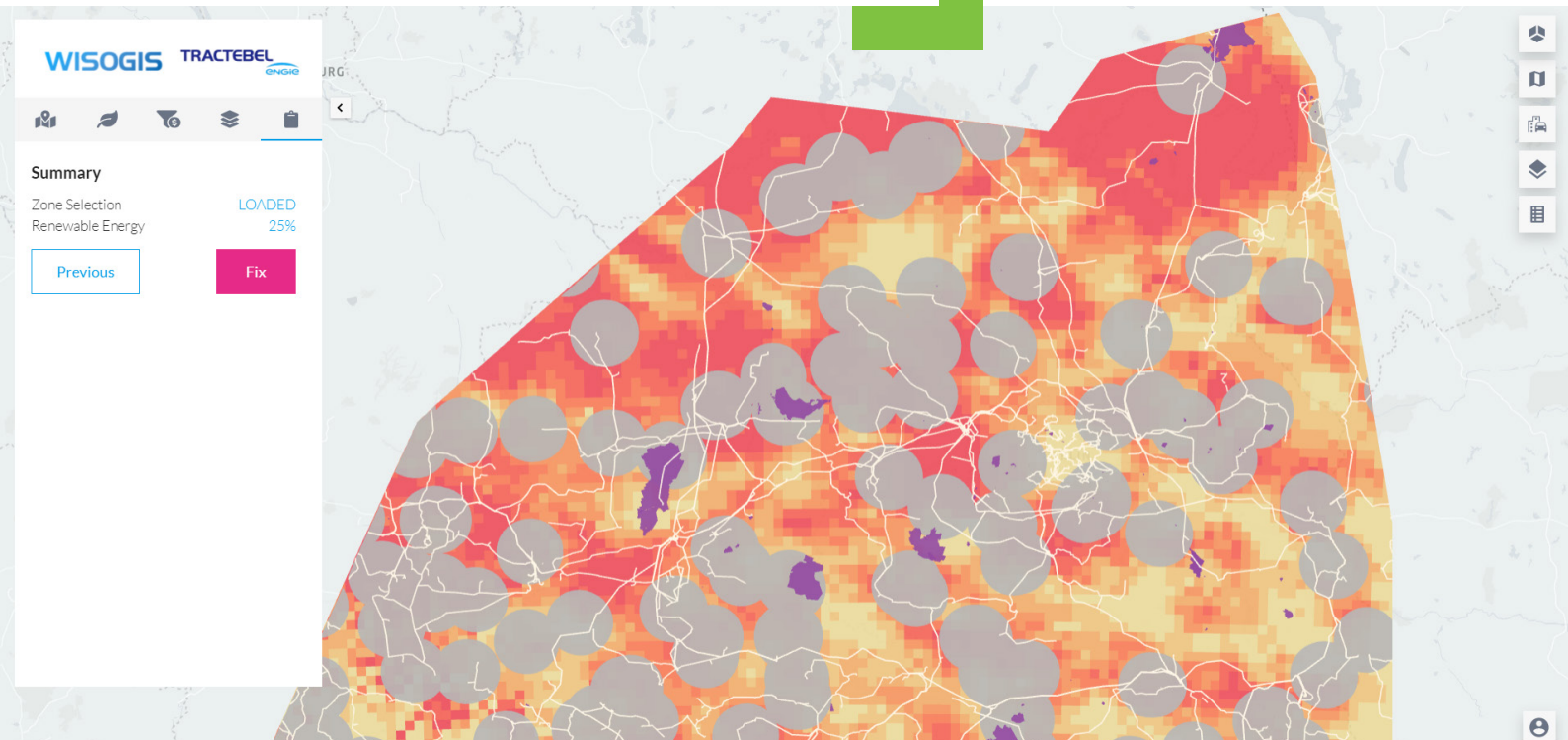
This approach provides reliable preliminary results to secure project decision-making, helping you choose the most adequate location.



Wisogis helps you keep your project development costs under control.

Our experience

- Wind & solar energy yield assessment and site selection
- Risk assessment (overall project, construction, climate, ice fall risk assessment with Tricer)
- Project financial modeling
- Wind & solar project development and implementation
- Land use planning
- Construction management and supervision until handover to the Owner
- Post-handover assistance to address under performances



SOME REFERENCES WISOGIS

ENGIE Business Unit Hydrogen Australia

Development of a heatmap to determine the best location for a new renewable plant supplying electricity on baseload mode to a green hydrogen plant, taking into account project-specific geospatial criteria.

SOFICO Belgium

Energy potential study on plots belonging to SOFICO, throughout Wallonia, with consideration of geospatial criteria influencing the feasibility of the project.

ENGIE/International Chemical Company Worldwide

Evaluation of the solar and wind production potential of 5 chemical plants around the world in order to assess their suitability for the installation of a green hydrogen production plant.