



Press release
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ENGIE and Google Cloud join forces to accelerate wind energy development with advanced data management and artificial intelligence

ENGIE and Google Cloud aim to optimize wind energy management on the power markets through an Artificial Intelligence based solution.

ENGIE and Google Cloud signed a new partnership for the development of an Artificial Intelligence-based energy solution to optimize the value of ENGIE's wind portfolio on the short term power markets. ENGIE and Google Cloud's AI Services and Industry Solutions (AIIS) will team up to combine both expertise in power markets and AI to develop the solution. This project will facilitate transactions for wind asset developers and create benefits for wind power producers, accelerating the energy transition.

The key objective of the AI pilot is to predict how much wind power should be sold on which power market and at what price. This is a challenge due to the complexity of the short-term power markets and the unpredictable nature of wind production. In order to tackle this problem, vast amounts of data from various sources needs to be collected, stored and analyzed. The AI solution leverages a performant and scalable data system and advanced machine learning algorithms to extract value from the data that supports subsequent decisions. Once this project is complete, the scale of the impact could be far-reaching: there are hundreds of Gigawatts of wind farms operating around the world, all of which could benefit from improved forecasting using AI.

"At Google Cloud, we believe that more accurate data and predictions of wind power production will be valuable to electricity grids, creating benefits for consumers and making wind more competitive with fossil fuels. We are delighted to work with ENGIE on this project, which can accelerate Europe's clean energy transition, while laying the groundwork for wind farms around the world to benefit from improved forecasting via Artificial Intelligence," said **Larry COCHRANE, Director, Global Energy Solutions at Google Cloud.**



*“ENGIE’s business entity ‘Global Energy Management & Sales’ has been developing its systems in the last decade to cope with the challenges involved in managing renewables assets”, explains **Alexandre COSQUER**, member of the **Executive Committee of ENGIE’s business entity ‘Global Energy Management & Sales’**. “With already a double expertise in risk and data management, we were looking to intensify the renewables development, and to partner up with one of the most superior experts not only in data management but also in Machine Learning technology. Data, Digitalization and Risk Management are key enablers to bring value and accelerate the decarbonation of our power grids; in that context, a partnership with Google was obvious”.*

After having already concluded several corporate green PPAs together and the [first 24/7 Carbon Free Energy contract in Europe](#), this new collaboration with Google Cloud is not only another step towards ENGIE’s clean energy transition strategy, but also aligned with the [24/7 Carbon Free Energy Compact](#) initiative supported by the United Nations.

About ENGIE’s business entity “Global Energy Management & Sales”

ENGIE is a global reference in low-carbon energy and services. As one of the Group’s business entities, “Global Energy Management & Sales” provides energy supply and risk management services to support its clients through their decarbonization journey, while optimizing ENGIE’s assets and contributing to value creation. Relying on 3,300 worldwide-based employees through 20+ business platforms, “Global Energy Management & Sales” covers the full energy mix, offers to its 120 000 clients of which 800 large accounts tailor-made services and responds to rapid changes in mature or emerging markets.

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