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Feedgy at Intersolar: Powering the future of agriculture and energy at Intersolar

Paris (ots) -

Feedgy, the French leader in the repowering of photovoltaic power plants, will be exhibiting at Intersolar in Munich from May 7th to 9th. At Feedgy, looking to the future is an ongoing commitment rooted in our DNA. With its repowering solutions and its patented AgriPV panel, Feedgy is anticipating the needs of the energy and agricultural sectors. Get ready to discover what's next!

As a leading player in **repowering** since 2015, Feedgy has carried out more than 400 operations across France and is now expanding in Spain, with plans to offer its services to the German and Italian markets in the near future.

Feedgy's repowering approach focuses on upgrading existing solar power plants by replacing old panels with high-efficiency modules, updating inverters and key components, and optimizing monitoring systems. In parallel, the company digitizes the plants to prepare them to sell their production in the new electricity market coming.

Repowering their solar plant, our clients achieved an average 62% increase in total energy production. These retrofits significantly improve plant efficiency and profitability while extending their operational lifespan by up to 20 years. With a view to the ecological transition, Feedgy supports the recycling of replaced panels by giving them a second life.

Two AI-driven tools for enhanced performance

At Feedgy, we use digital technology to improve equipment performance both before and after equipment replacement:

-> The digital team has developed **E-score+** to assess whether a solar installation is suitable for repowering. This decision-support tool is capable to evaluate a plant's potential and performance in just 10 minutes and to provide a 30-year projection of energy gains after repowering.

-> Once repowering is completed, our solution **ReAct** can detect both visible and invisible defects. Centralizing data from various monitoring systems, it simplifies the management and analysis of installations. With over 97% accuracy in production forecasting and defect detection, it prioritizes critical maintenance tasks, reducing downtime.

A vision based on innovation

Our experts are constantly improving our solutions to create smarter, more resilient and future-proof energy systems. In terms of panel technology, Feedgy has chosen heterojunction, the most efficient and high-performing option on the market. Our panels have a bifaciality rate of 95%, meaning they capture sunlight from both sides and generate up to 30% more electricity than conventional panels.

Our R&D team has also prioritized research areas such as photonics. Indeed, Feedgy believes that light processing is underutilized by the photovoltaic industry. However, mastering the light spectrum is synonymous with overproduction and opens the door to new applications, including agrivoltaics.

AgriPV: a win-win solution

This research led to the idea of creating a win-win solution that would not only optimize electricity production but also increase agricultural yields: our AgriPV panel. Patented and TÜV Rheinland certified, our panel was awarded the "Deployability" prize in an

innovation competition at a major trade show in France.

AgriPV integrates:

- Diffused horticultural glass.
- Light converters.
- Heterojunction cells.

Thanks to its heterojunction technology and photonic properties, the AgriPV module offers the best photovoltaic conversion and photosynthetically active radiation transmission rates (32%) per unit area. This useful and sustainable technology respects agricultural cycles, needs and specificities. It is available in three levels of transparency and two sizes.

Illustration of a horticultural greenhouse repowering

"The repowering of the horticultural greenhouse has been a great success. We have enabled the horticultural operator to achieve initial production, with plants free from phenological shifts, no signs of etiolation, and no further issues with humidity or irrigation".
Stéphanie Mahieu, R&D Director for Agrivoltaics - Feedgy

In terms of luminosity gains, we estimate the increase in performance of full daily light (FDL) to be between +40% and +53%, depending on the month.

Expert round table

The renewal of solar power plants is a key factor in accelerating the transition in energy and agriculture. To explore this issue in greater depth, the Franco-German Office for the Energy Transition is organizing a conference at Intersolar entitled: *Revamping or repowering photovoltaic systems: opportunity or hype*? **Harold Darras**, founder of Feedgy, is set to participate in what promises to be a particularly fascinating debate.

When? May 7th, 1:30 pm

Where? Messe München, **Booth A3.150**

To meet our experts, join us: Hall 4, booth A4.610

About Feedgy:

Feedgy's mission is to regenerate photovoltaic plants on agricultural land, enhancing their performance, profitability, and sustainability through cutting-edge technologies such as artificial intelligence, photonics, optics, and agronomy. Recognized by the Financial Times as one of the fastest-growing companies in Europe, Feedgy is contributing to the creation of a European photovoltaic industry of excellence. The company is supported by the European accelerator EIT InnoEnergy, Bpifrance, CNRS, and Santander Bank.

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