voltalia

Agrivoltaics: a pow 04 Jun 2024 mbination of agriculture and energy produc

nding ag

Definition and goals Agrivoltaics offer the unique Not only agrivoltaics are a m unique advantage of combining **agricultural** and **energy** pr are a major enabler to scale up renewable energies product n on a single plot of land. By in helping the farmers in adapting to climate change and reducing its impacts on agricultural production;
improving the animal welfare and protecting crops or finitis from hazards such as drought, hal, late spring frost, ...;
securing long term revenue for the farmers and helping to finance the installation of young farmers.

The role of agrivoltaics in energy transition goals targets

- uld play a major role in achieving energy transition targe Commission Joint Research Center states that "agri-een countries, such as France and Baly, have recently in kas EU pho Itaics 2030 goals": "co

a's differentiating approach to agrivoltaics

ng flexibility and custom

g flexibility and customization d adaptability of agrinoblaic solutions also them to be customized to meet the unique needs and constraints of in orgo solar engineeting expertise, a team of a grotomic engineers specialized in agrinoblaics, and collaboration wi eveloped a systemic approach that analyses and specifies all the important agricultural appects of each project.

a comprehensive, personalized farming model analysis;
the use of a wide range of flexible solutions that are tailored to the specific needs of each farm;
collaboration with farmers on design and implementation choices.

Livestock Side Prioritizing animal welfare and Livestock Side behavior in the design of the agrivoltaic power plant Technical side Agronomic side Technical side Adapting the agrivoltaic plant for seamless integration into farm operation Social side

Agronomic side

Optimizing sowing practices for soil, climate and animal nutrition

Social side

An innovative solution designed to address agricultural challenges such as climate hazards and market instability.

Our systems approach to aprivoltaics: the four sides

ta to over 1,5 GW Durability and contract assurance

ands that durability an rity are absolute priorities for farmers. This is de

In professional of the sectors of the sector e that farmers have a

partnership between Voltalia and farmers

wersibility dismantling the install
recycling materials;
restoring the site.

val: A chal

gricultural sector is in the midst of significant talia, through its land holding company Terran sitaic plant on part of the load

on plant shows the way

c power plant, located in Saint-Etierne-du-Grils (Bouches-du-Rhône, France), began operating in March 202 eer of 3 MW and an annual output of **4.8 GWh**, equivalent to the energy consumption of 4,000 inhabitants. It de for the vegetables to grow

are state of the art dynamic talia's ability to su sfully im ct has also been signed with EDF to provide a nal compensation for the electricity generated at the site.

cattle demonstrator project in Savoie, France, in partnership with the Er a into the farm en over a five-year period, studying vari

changes in plant populations;
todate production (quantity of dry matter and intrinsic nutritional value);
changes in microclimate according to different indicators;
the welfare of the dairy cows at the site.