

SENS LSG connects a total output of more than 205 megawatts to the grid

Joint Venture between SENS and LSG completes two photovoltaic projects

Würzburg/Essen. SENS LSG, the joint venture between the German solar service provider new solar parks in Dalgo Pole, Bulgaria. With an output of around 91 MWp (megawatt peak) and 50 MWp respectively, the two projects complement an existing 66 MWp plant.

The three photovoltaic parks in Dalgo Pole comprise more than 330,000 solar modules and yield over 280,000 megawatt hours (MWh) electricity annually.

Challenging weather conditions

SENS LSG acted as the EPC (engineering, procurement, construction) service provider and faced high wind loads during the planning and construction phase. This posed specific challenges for the stability of the mounting system and had to be considered when building the substructure of the modules. Some modules used single-axis tracking systems that follow the sun's path.

Collaboration on an extensive project pipeline

Following the first solar park in the project pipeline in Dalgo Pole built by SENS LSG in 2022, the construction of section B began at the end of 2022. This part of the project is expected to generate approximately 78,000 MWh of green electricity per year. Section C, the largest project, has an annual production of more than 142,000 MWh. In this area of the solar park, approximately 160,000 modules were installed and connected to the grid in less than a year.

Together, the three photovoltaic systems in Dalgo Pole save around 40,000 tonnes of CO₂ per year, which corresponds to the average annual consumption of about 6,000 Bulgarian citizens. Over a 30-year period, this amounts to an estimated total CO₂ equivalent of 1,200,000 tonnes.

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Philip Wack, Chairman

Board of Management:

Dr. Andreas Reichel, Chairman
Dr. Ralf Schiele, Chairman
Dieter Dehlke
Nicole Hildebrand

"We are pleased to have successfully completed three parks of this size. The rapid implementation of these projects underscores the dedication and expertise of our team at SENS LSG and reflects the trust that has placed in us" says Kurt-Stuart Ristl, Head of Project Sales at SENS LSG.

Green energy for Bulgaria

The energy market in Southeastern Europe is still predominantly powered by coal and nuclear power, as is the case in Bulgaria. To meet the European Union's climate change objectives, Bulgaria aims to significantly expand its use of renewable energy, including solar power. By 2030, the country plans to install seven gigawatts (GW) of new solar capacity, with an additional 12 GW planned by 2050. In recent years, the country has increased the share of solar energy in its energy mix from 3.1 per cent in 2021 to 7.7 per cent in 2023.

"At the moment, there is considerable activity in the Bulgarian and other Eastern European markets. The energy transition here faces numerous challenges, and the expansion of renewable energy, especially solar energy, has only been promoted more actively in recent years" says André Kremer, CEO of SENS. "With the completion of two more solar parks, we are reaffirming our commitment to Bulgaria's energy transition and sending an important signal for the future of renewable energy in the country".

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About SENS

SENS, Iqony Solar Energy Solutions GmbH, develops, builds and manages solar projects on open spaces and roofs throughout Europe. The company also acts as an Independent Power Producer (IPP). In addition to the turnkey construction of solar parks, SENS offers storage and service solutions for PV systems as well as holistic energy concepts for industry, trade and commerce in the field of energy efficiency. SENS is headquartered in Würzburg. The company also has subsidiaries in Italy, Spain, Portugal, the UK, the Netherlands and Greece. The company employs over 430 people at twelve locations in Europe. The photovoltaic service provider is a wholly owned subsidiary of Essen-based Iqony GmbH. <https://www.sens-energy.com>

About Iqony

Iqony makes green energy feasible. With extensive and longstanding experience in the planning, construction and operation of energy facilities, the company provides holistic solutions for the decarbonization, decentralization and digitalization of the energy supply. Iqony focuses on renewable energies and bridging technologies that can be used in a climate-neutral way now and in the future. In addition to solar, wind and geothermal energy, the portfolio includes hydrogen solutions, storage technologies, engineering services and gas-fired power plants. Around 2,300 employees worldwide implement projects for major industrial companies, utilities, cities and municipalities in numerous countries across the globe. Specializing in tailor-made solutions for complex challenges, Iqony draws on its broad and in-depth knowledge of the energy industry across the full range of technologies and services.

About LSG group

The LSG Group is a group of companies operating primarily in Eastern Europe and Austria with a focus on plant construction and renewable energies. It is headquartered in Vienna and has around 300 employees at 9 locations. LSG Group has been a partner of SENS for several years in the creation of PV power plants.

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