

Press release

Munich, March 7, 2023

Siemens Energy to supply key components for one of Europe's most efficient gas-fired power plants

Siemens Energy and independent power producer Mass Global Energy Rom S.R.L. have signed a contract for the supply of the HL-class gas turbine technology for the Mintia combined cycle power plant in Romania. With a maximum power generation efficiency of more than 64 percent, the plant will be the most efficient gas-fired power plant in Romania and one of the most efficient gas-fired plants in Europe. It will have an electrical capacity of 1,700 megawatts and will replace a retired coal-fired power plant. This will make a substantial contribution to reducing CO₂ emissions and protecting the climate.

“This project is a prime example of how the determination of policy-makers, private investors, and technology providers can make a significant difference in accelerating the energy transition while also balancing the energy trilemma. Our latest HL-class gas turbine technology in combined cycle configuration will replace the capacity of the old coal-fired Mintia power plant and slash CO₂ emissions by more than 50 percent when completed. I want to congratulate the Romanian government on this iconic project and thank Mass Global for their trust in Siemens Energy,” said Karim Amin, Member of the Executive Board of Siemens Energy.

“I’m very proud that, with our first project in Europe, we’re building one of the most modern and environmentally friendly gas-fired power plants,” said Ahmad Ismail Saleh, owner of Mass Global Energy Rom S.R.L. “It’s not only a strategic investment in the Romanian energy sector, the new power plant will mark the beginning of the decarbonization of the region’s former coal-fired power generation with a planned simple cycle operation by the first half of May 2025 and combined cycle completion in the first quarter of 2026.”

The new plant will be fired with domestic natural gas. The Siemens Energy scope of supply includes two gas turbines of type SGT5-9000HL with associated generators, an SST5-5000 steam turbine with SGen-3000W generator, and the SPPA-T3000 control system. In the 50Hz market it’s Siemens Energy's first HL-class power plant in a 2x1 multi-shaft configuration. The waste heat from two gas turbines is combined to generate

steam for a steam turbine. The plant will be located at the existing Mintia power plant site about seven kilometers from Deva in the Transylvania region.

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Siemens Energy is one of the world's leading energy technology companies. The company works with its customers and partners on energy systems for the future, thus supporting the transition to a more sustainable world. With its portfolio of products, solutions and services, Siemens Energy covers almost the entire energy value chain – from power generation and transmission to storage. The portfolio includes conventional and renewable energy technology, such as gas and steam turbines, hybrid power plants operated with hydrogen, and power generators and transformers. A majority stake in the wind power subsidiary Siemens Gamesa Renewable Energy (SGRE) makes Siemens Energy a global market leader for renewable energies. An estimated one-sixth of the electricity generated worldwide is based on technologies from Siemens Energy. Siemens Energy employs around 92,000 people worldwide in more than 90 countries and generated revenue of €29 billion in fiscal year 2022. www.siemens-energy.com. www.siemens-energy.com.