



SUCCESS STORY

Austria's XXL solar park with Stäubli Original MC4 products

The experienced construction group STRABAG relies on Original PV connectors from Stäubli to construct the large-scale Austrian photovoltaic project in Ratten.



Austria's target for the expansion of renewable energies is ambitious. By 2030, Austria's electricity production should be balanced in terms of renewables, meaning to generate as much green electricity as is consumed. And electricity consumption will increase steadily over the years. The XXL solar park in Ratten can therefore play its part in achieving this goal.

The photovoltaic plant built by STRABAG on behalf of Wien Energie is located in Styria, in the mountainous, forested south of the country - also known as the green heart of Austria. The solar park stretches along the ridge at 1,200 m above sea level and covers

14 hectares, which is equivalent to around 20 soccer pitches.

The site has a gradient of up to 85% and is dual-used as an Agri-PV plant. In addition to generating electricity, this large area also serves as grazing land for sheep.

This ground-mounted PV plant makes an important contribution to Austria's energy transition.

The experienced EPC also for large-scale projects

STRABAG, the leading European technology group for construction services, aims

Renewable energy:

Original MC4-Evo 2 PV DC connector

Application: large-scale, ground-mounted Agri-PV system

- Safe installation
- Robust, weather-resistant connection with IP68 degree of protection
- Durable, loss-free energy transmission
- World's most trusted PV connector

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to become climate-neutral along the entire value chain by 2040 under the claim “Work On Progress”. The company has realized the PV park Ratten entirely from a single source. Project manager Ewald Müllner says: “We are called upon to actively use our expertise in the energy sector. Together with Wien Energie and the implementation of the PV park in Ratten, we are taking an important step towards a sustainable energy supply. As STRABAG, we want to help shape the future sustainably. This includes quality in the execution of work as well as in the products used.”

Green energy synergy

The solar park in Ratten, which is one of the largest PV plants in Austria, has a power output of 15 MW and benefits from the existing grid connection of the nearby Steinriegel wind farm. This results in the synergetic use of energy from wind and sun.

To build the solar park, STRABAG, an experienced construction company, used around 26,000 solar modules. 42 inverters convert the direct current from the PV system. More than 50,000 Original MC4-Evo 2 photovoltaic connectors from Stäubli ensure the safe transmission of the direct current, with safety being a top priority.

Quality ensures long-term yield

Photovoltaic systems are designed to provide long-term yield. That’s why STRABAG relies on quality to ensure that the Ratten solar park reliably produces the expected amount of electricity. There must be no failures during energy transmission. The minimal contact resistance of the unique MULTILAM contact technology of the Stäubli PV connectors ensures long-lasting performance and highly efficient energy transmission. This ensures that the XXL solar park in Ratten, Austria, will enable the country to save 6,200 tons of CO₂ per year.

Customer benefits

- Quality product ensuring durable PV connection operation
- Reliable energy transmission for safe yield

About Stäubli

Stäubli stands for innovative mechatronics solutions in the electrical connectors, fluid connectors, robotics, and textile divisions. With over 6,000 employees, the company operates in 28 countries.

In the renewable energy sector, Stäubli Electrical Connectors has set the industry benchmark with its MC4 connector portfolio based on the reliable MULTILAM contact technology. Active in this market for more than 25 years, Stäubli creates the basis for sustainable change and connections for life.

www.staubli-renewable-energy.com