

2.4 MW ROOFTOP PV PLANTS



ENERGY
IS ALWAYS
GREENER
ON THE
OTHER SIDE



SG110CX



FARM-VOLTAIC



INCENTIVES

THREE AGRICULTURAL COMPANIES IN THE SAME AREA CHOOSE PHOTOVOLTAIC TO IMPROVE THEIR BUSINESS

The landscape of Cologne, a small town in the province of Brescia (Italy), is no longer the same: long blue roofs and Sungrow inverters blend with the wonderful local countryside, in a compendium of nature and clean energy production.

The three different PV plants in operation, of about 800 kWp each, transfer the energy to the local network, taking advantage of the incentives derived from the Italian FER Decree.

At the same time as the construction of the system, the roof was also renovated, eliminating and disposing of the old Eternit slabs.

Location

Cologne (BS), Italy

System | Capacity

3 different rooftop PV plants:

8x SG110CX | 819 kWp

6x SG110CX | 756 kWp

8x SG110CX | 819 kWp

EPC

SKY-NRG

Yield

2.665.860 kWh/year

BENEFITS

The three systems were built with the same construction methods, installing a total of 6,384 375 Wp modules of the same brand, dividing them over 7 different roofs of poultry sheds, with east-west orientation.

The frequent use of sawdust in production processes, with the relative problem of dusting and the presence of rodents have led the design to take all possible precautions to avoid plant shutdowns.



Thanks to 9 MPPTs and 18 string inputs, each SG110CX inverter maximizes photovoltaic energy production.



FER Decree: in addition to the consideration of 0.09 € / kWh on the energy produced fed into the grid, they were also awarded of a bonus for the removal of the Eternit slabs of 0.012 € / kWh on the totality of the energy produced.



The SG110CX inverters were installed on the north side, shaded, and sheltered by the overhang of the cover, despite being IP66 and weatherproof.

BENEFITS

The previous roofs were made with fiber cement sheets containing asbestos. The customer, by building the photovoltaic system, simultaneously obtained the remediation and exploited the incentives derived from the Italian FER decree.



“The choice of products for our plants is oriented towards maximum efficiency. The request of our customers was to have instruments with high performance, an excellent visual impact and with contained measures. We proposed Sungrow for all these reasons and also for the security it has given us in the last 12 years of collaboration with a great promptness of intervention by the internal after-sales service”

Gianluca Paroni
CEO SKY-NRG

ABOUT **SUNGROW** ITALY

Sungrow has been present in Italy since 2010 and currently counts about 450MW of inverters installed and still active, both centralized and string, spread throughout the country in applications ranging from small residential rooftop systems to large ground mounted “utility-scale” systems. With a large portfolio of CEI 0-21 and CEI 0-16 certified products, Sungrow Italy is able to satisfy all installation needs both on new systems and for revamping actions, guaranteeing in all cases a fast and professional pre and post sales assistance service, also offering solutions for the BESS utility market.

ABOUT SKY-NRG

SKY-NRG is a company that has been operating for more than 15 years in the field of energy efficiency. Over the years it has gained more and more space in the industrial plant market, becoming one of the reference companies at a national level for the many investors who approach the renewable energy market in Italy.