

CASE STUDY

VIMERCATE MARCH 29th, 2023

NEW 555 kWp PLANT INSTALLED IN GRASSOBBIO THANKS TO OUR PARTNER GRUPPOSTG

FIMER, a leading company in terms of development, production and sales of renewable energy and e-mobility solutions, supplied five PVS-100 three-phase string inverters through its Partner GruppoSTG, specializing in the design and production of Made in Italy photovoltaic and structural solutions.



Five 100 kW **PVS-100** inverters have been installed at the production plant of **Erca Spa**, a chemical company located in Grassobbio (Bergamo), Lombardia. The photovoltaic system was built on two buildings, for a total power of 554.81 kWp, with 1018 545W half cut high power photovoltaic modules installed.



Arch. Mauro Ottolina, Project Manager at GruppoSTG, states: “GruppoSTG is very satisfied with the construction of this 555 kW photovoltaic system carried out on two plants of the same production site in the Bergamo area. The two buildings feature different kinds of roof: one with very little slope, the other one with sheet metal domes with different radii of curvature that have allowed us to create different photovoltaic solutions, but still maintaining high energy production performance. This was also possible thanks to the high-quality technical components by FIMER”.

Project data:

- Installed capacity: 554.81 kWp
- Number of PV modules: 1018
- Number of inverters: 5 FIMER PVS-100
- Project Management and Coordinator of the work in progress (CSE): GruppoSTG
- Committee: Erca Spa

The calculated consumption of Erca Spa is approximately 4.750.000 kWh / year.

Thanks to this plant, the chemical company Erca Group will cover a large part of its annual energetic needs.

PVS-100/120-TL is FIMER’s cloud connected three-phase string inverter solution for cost efficient decentralized photovoltaic systems for both ground mounted and rooftop applications. This high-power platform with power ratings up to 120 kW, maximizes the ROI for decentralized C&I solar plants. With up to six MPPT, energy harvesting is optimized even in shading situations.



This best-selling inverter also allows savings on installation resources as less units are required and, thanks to its compact size, further savings are generated from a logistics and maintenance point of view.

Moreover, the integrated DC/AC disconnection, 24 string connections, fuses and surge protection, remove the need for additional boxes. Standard wireless access from any mobile device makes the configuration of inverter and plant easier and faster. The improved user experience thanks to a built-in User Interface (UI) enables access to advanced inverter configuration settings. The Installer for Solar Inverters mobile app, available for Android/iOS devices, further simplifies multi-inverter installations.



About FIMER

FIMER is one of the largest, tier one, renewable energy equipment supplier in the world. Specializing in solar inverters and electric mobility systems, it has over 1000 employees worldwide and offers a comprehensive solar solutions portfolio across all applications. FIMER's skills are further strengthened by its bold and agile approach that sees it consistently invest in R&D. With a presence in over 20 countries together with local training centers and manufacturing hubs, FIMER remains close to its customers and the ever-evolving dynamics of the energy industry.

For further details, visit our website www.fimer.com and follow our social channels:



About GruppoSTG

Established in 2009, **GruppoSTG** is an Italian company that is specialized in the design and manufacture of photovoltaic and structural solutions.

Inspired by the principles of sustainable development and involved in the research and application of new pioneering technologies with the ultimate goal of saving energy, GruppoSTG has positioned itself as a reliable and competent partner, able to guarantee an integrated approach of energy solutions for the construction sector.

All the solutions are designed and produced in the two made in Italy factories in Cossato (BI) and Cantù (CO).

For further information: www.gruppostg.com

For further information:

Media Relations e-mail: media.relations@fimer.com

FIMER S.p.A. Via John Fitzgerald Kennedy, 20871 Vimercate Italy