



CLEAN ELECTRICITY FOR VINEYARD IN CHILE

Self-consumption rate of 92% thanks to efficient use of energy for irrigation and winemaking

Rio Claro, Chile: A high level of insolation and the geographical situation in Chile provide ideal conditions for both winemaking and generating solar energy. Vineyard Vina Aresti has decided to take advantage of this situation by installing a 130 kWp PV system on its land. The roughly 206 megawatt hours of energy generated each year is used to irrigate the fields and to produce wine, meaning that the PV system achieves an impressive self-consumption rate of 92 percent.

Sustainable and clean winemaking is of great importance to the owners of Vina Aresti, which they also wish to demonstrate to their customers and visitors. For this reason, screens have been installed in the sales hall which display the yield data of the PV system in real-time using Fronius Solar.web.

A Fronius Smart Meter and sensors have also been installed to allow consumption, insolation and temperature data for the surrounding area to be displayed in Fronius Solar.web.

The PV system was installed by Fronius Service Partner Solcor Chile. *“The PC board replacement process means that should servicing be required, we do not have to replace the entire product, just the defective component. And this can all be done on site,”* says Alexander Decock from Solcor Chile.



OUR SOLUTION:

- / Quick service: should servicing be required, Fronius Service Partner Solcor Chile can replace components on the spot
- / Yield data is displayed clearly on screens in the sales hall using Fronius Solar.web



SYSTEM DATA	RIO CLARO, CHILE
Size of installation	130 kWp
System type	Field installation
Inverter	4 Fronius Eco 25.0-3-S
Commissioned	October 2018
Annual yield	Approx. 206 MWh
Special feature	Self-consumption rate of 92%

