

Case Study: ICIL

JinkoSmart Solar Modules

Location:	Monterotondo, Italy
System Size:	5 plants totaling to 40.25 kWp
Modules:	Jinko Solar 255W Smart Modules
Inverter:	SMA
Installer:	ICIL

Summary

With more than a decade of experience producing electrical and energy systems, ICIL is now the first company in Italy to install and successfully test the JinkoSmart modules optimized by Tigo.

The choice to utilize Tigo's technology came down to ICIL needing a Smart Module that:

- Increased energy production
- Eliminated hot spots
- Corrected for mismatching
- Minimizes the effects of deterioration on system performance

ICIL highlighted the importance of maximizing safety as this project is being installed on several municipality public buildings. Tigo's PV-Safe function shuts down the array at the module level making panels safe for emergency personnel and maintenance workers.

A further advantage of going with Tigo is that customers and installers enjoy a unique and totally free-of-charge monitoring platform that enables module-level visibility. This solution also maximizes the profitability of O&M activities.

Customer Experience

"In these systems, the advantage of the JinkoSmart modules was even more evident for the type of placement of the photovoltaic generator on the flat roof: a single string (low slope) with modules on the same string, equidistant from each other.

We also had the opportunity to easily resize the strings thanks to the Smart Curves technology which limits the maximum Voc.

The integration of optimizers in the junction box facilitated and considerably speeded up the installation of the photovoltaic generator. This allowed us to offer our customers all the benefits of Tigo technology at the same price of a traditional system, without compromising our margins."

- Antonino Lo Bianco, Managing Director ICIL

