



GOODWE
YOUR SOLAR ENGINE

CASE STUDY



GoodWe Takes the Heat off NOEL's Ibérico Ham in Spain

Background:

The NOEL Food Group is a company specializing in the production and distribution of cooked, cured and Serrano ham for national and international markets. As they intend to diversify their business with "plant-based" product lines, cost management is crucial.

Challenge:

The processing plant requires a tremendous amount of energy to ensure fridge and climate chambers run smoothly and meet advanced ambient temperature control standards while ensuring a balance point between cost and consumption.



Solution:

Based on the owner's requirements, the solar system should aim for the highest possible self-consumption level to reduce energy intake from the grid and increase business competitiveness with long term cost reduction.

The client's business operations require powerful cooling systems that usually affect the quality of the internal grid, causing it to be unsteady when the engines and pumps interact ON-OFF (24h). GoodWe SEC1000 helps to ease the situation and balance the internal grid through reactive power compensation. Meanwhile, it also limit the solar energy export to the grid so the system self-consumption rate could be increased.



Installation details

Location: Girona, Spain
 Owner: Grupo Noel
 Installer: Engel Solar
 Capacity: 1.3MW
 Type of installation: rooftop
 Solar panels: Canadian Solar 450W
 Inverters: GoodWe MT-80K * 14 units

“ GoodWe is committed to helping customers achieve their CO₂ emission reduction targets. We know our energy solutions are the perfect match for reducing operation costs for the industry sector. ”

Carlos Martínez, Sales Manager Iberia, GoodWe

Environmental effect:

This PV plant generates 2184MWh electricity per year, spares 1,706 tons of Carbon Dioxide, which is equivalent to



7,672,840
square meters of forests in a year



337 cars driven for 1 year



776 tons of coal burned



659,267 liters of petrol consumed



188,273,930 numbers of smartphone charged



281 home electricity use for 1 year

About GoodWe

GoodWe is a world-leading PV inverter and energy storage solutions manufacturer and is listed as a public limited company on the Shanghai Stock Exchange (Stock Code:688390).

With an accumulative delivery of more than two million inverters and installation of 23GW in more than 100 countries and regions, GoodWe is regarded as the Global No.1 storage inverter by Wood Mackenzie in 2020.

GoodWe has also ranked as one of the Top 10 inverter suppliers by IHS Markit and has achieved six consecutive TÜV Rheinland “All Quality Matters” Awards. The great reputation of the MT-Series is spreading across continents and the pace of our global deployments is expanding rapidly.