



SUCCESS STORY

SOLAR PUMPING FOR A FRESH PRODUCE EXPORTING COMPANY

Faced with rising electricity costs, SAFILAND, a company specialized in greenhouse production of diverse produce (melons, tomatoes, and peppers) for export, decided to explore solar pumping as a green solution to reduce its electricity bill. Four pumping stations are used to irrigate 190 hectares of its greenhouse based production.

As a result of this 446 209 EUR investment which consists of 3 solar units using photovoltaic solar panels on trolleys, the company will produce 1.1 GWh/year (over EUR 87K of annual savings) and reduce its greenhouse gas emissions by 705 TCO₂e/year (65%). The payback period for this period is 7 years.



THE COMPANY

SME

Greenhouse based fresh produce producer & exporter

Location – Safi, Morocco



INVESTMENTS

MAD 4.9 million (EUR 446 209)

Solar panels

Trolleys



PROJECT GOALS

Reduction of energy bill

Reduction of greenhouse gas emissions



RESULTS

RE Production: 1.1 GWh/year

Reduction in CO₂ emissions: 705 TCO₂e/year

IRR: 17.25%

SPBP: 7.1 years