



Agenda

ENGIE 01

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ENGIE Group – Leading the Energy Transition



170.000 Employees



57.9 bn € Turnover



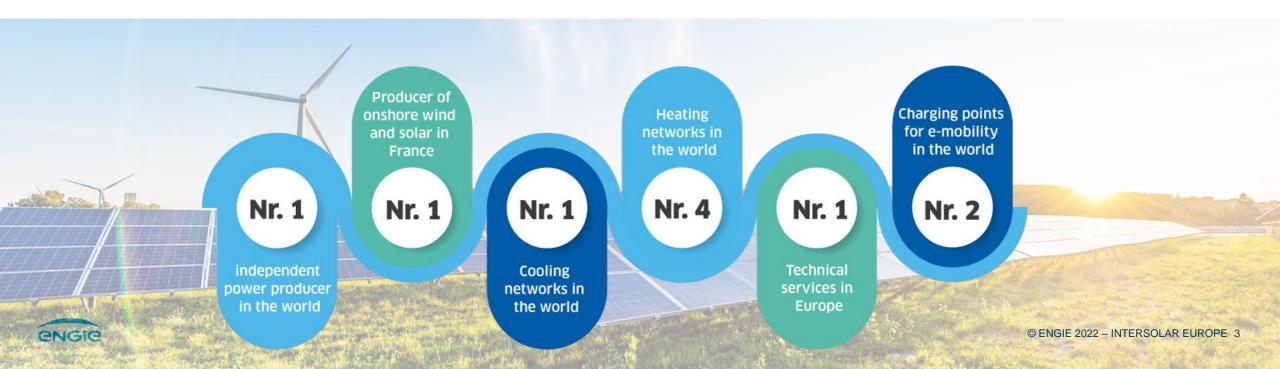
Active in > 50 countries



11-12 bn € Investments 2019-2021

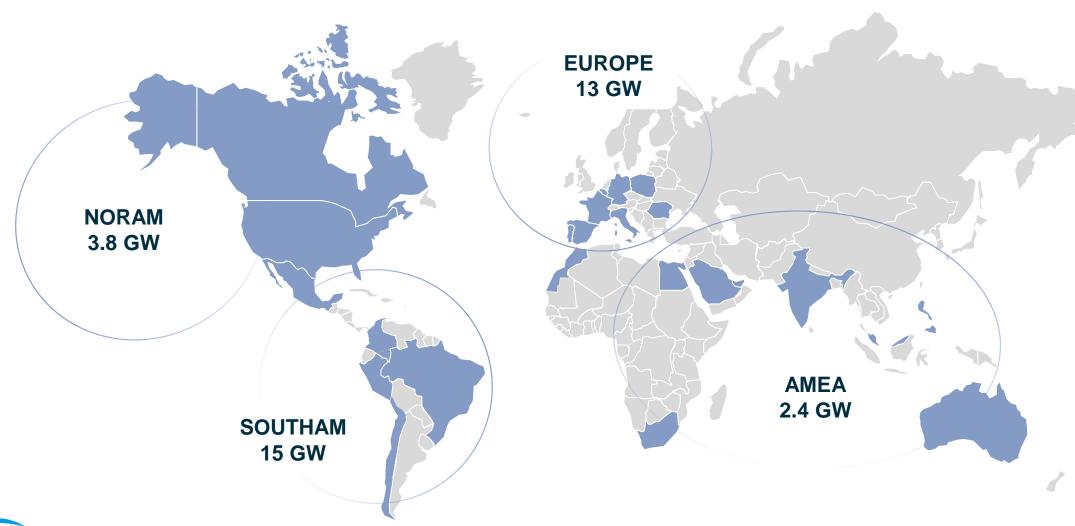


+ 4 GW
Renewable power
/year as from 2022



Renewable Global Business Unit - Installed Capacities

As of Dec. 31st, 2021



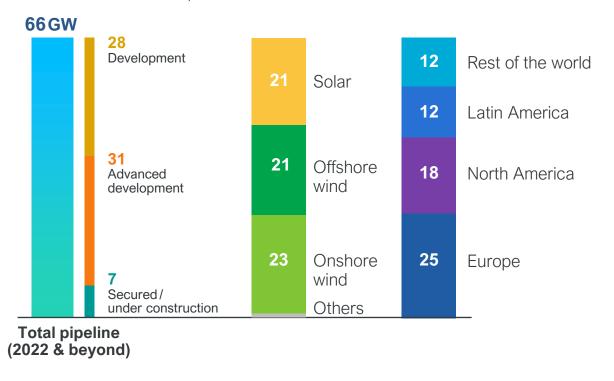


Targets Supported by a Significant Pipeline



Capacity targets well covered by pipeline¹

(GW at 100%, 31/12/2021)



¹ Split provided for indicative purpose. It might evolve depending on market evolution and in line with our ambition to get the higher returns.



Case Study: Project Overview

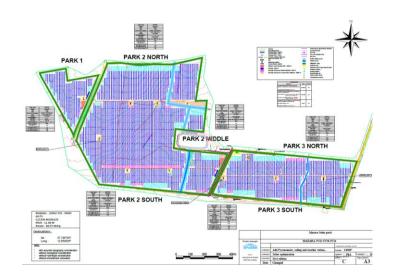
Overview

- Projects: 66 MW Mazara & 38.7 MW Paterno
 Location: Sicily, Italy
 PV Module Type: Monocrystalline Bifacial
 Structure Type: Single-Axis Tracker

Highlights

- Corporate PPA with AmazonIsland location

- Paterno's proximity to volcano
 Mazara is adjacent to wind farm owned by ENGIE
 Agri-PV project



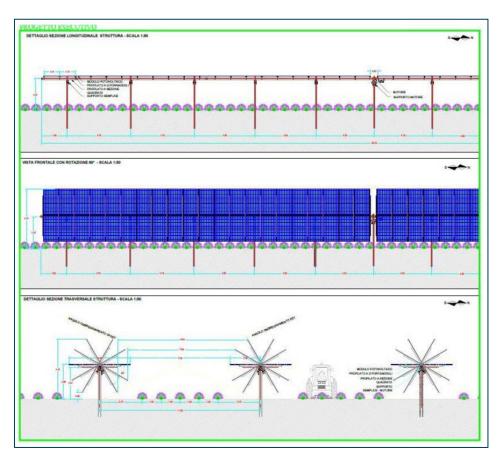


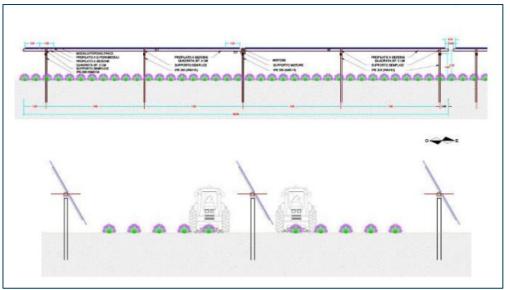


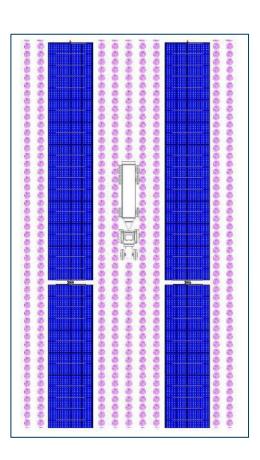




Large-scale Implementation of Agri-Photovoltaics









Progress of the Sites

MAZARA



March 2021

October 2021







March 2022



PATERNO











Challenges & Lessons Learned

CHALLENGES

SUCCESSES

Scarcity of land and priority to agriculture as a challenge for land securing	Show case for Agri-PV – co-location of PV besides plant cultivation
COVID – working & travel restrictions	Project team worked overtime and virtually to clarify all topics
Force majeure in China, shipping congestion due to Suez Canal blockage	Adjustment to installation method to recover time lost due to shipment
Project delay affected the financing schedule	Negotiations with the lenders to postpone project financing
Extreme weather events in Sicilia in October 2021	Adjustment to project schedule and site personnel to recuperate lost time
Undetected subsurface conditions at Mazara	Installation method switched from direct ramming to pre-drilling once detected
Key players located in Italia, France, Spain and China	Attention to details required to account for time zone and cultural differences
Geographical uniqueness of projects located on an island	Anticipated long lead times in schedule due to lack of connection to mainland
Proximity to volcano resulted in difficult pre-assessment of soiling impacts	Pilot project with dedicated special workforce and white paper under way
Increased awareness of H&S issues on constructions sites in general	Stronger focus of H&S with dedicated workshops held in March 2022
Delay of the planned COD postponed the offtake start	Internal PPA structuring capability allowed direct negotiation and resolution







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