

ENGIE in the world



170.000 Employees

€55,8 BN Turnover

101 GW
Total Power Plants
Installed Capacity

3 GW RES Extra Installed Capacity

E4 BN RES New Investments

ENGIE Italy: Key Figures

3.800

Employees

1

ML of Clients

60

Offices

16

District Heating networks (about 900 GWh/y of dispatched energy) **1,7**

GW Total Power Plant Installed capacity

500

MW Renewables
En. Installed
capacity (PV and
Wind – 20
Plants)



2.200

Schools

300

Local Districts

550_K

Public Spot Lights

80

Hospitals

10_K

Buildings Energy Saving Projects

2.600

Private Buildings 30

Univ.Campus, Museums and Theatres

2

Smart Cities

200_K

Home service clients

LA

ENGIE's purpose

"To act to accelerate the transition towards a carbon-neutral economy, through reduced energy consumption and more environmentallyfriendly solutions."



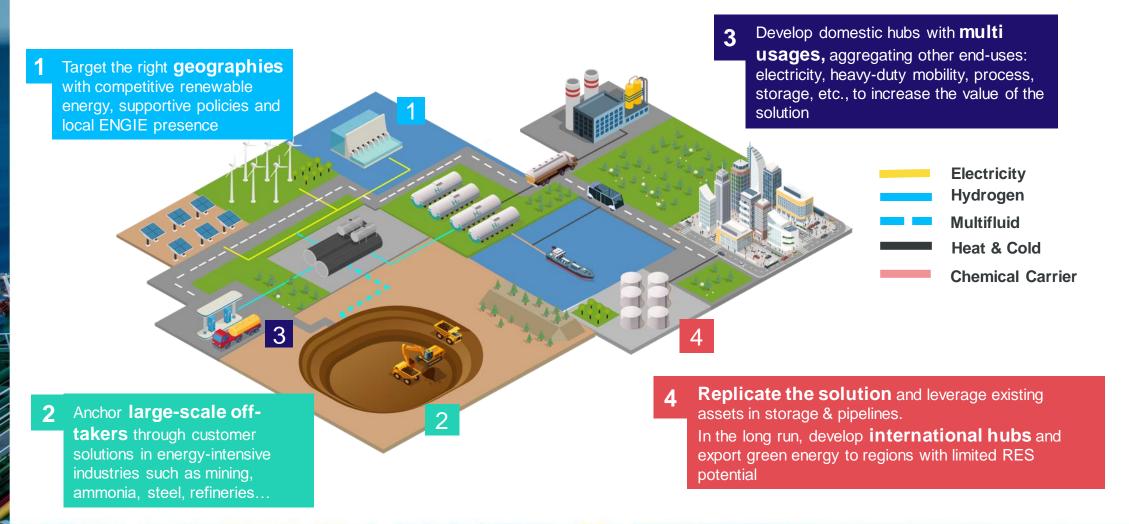
for industry & heavy-duty mobility

Our mission in Renewable Hydrogen

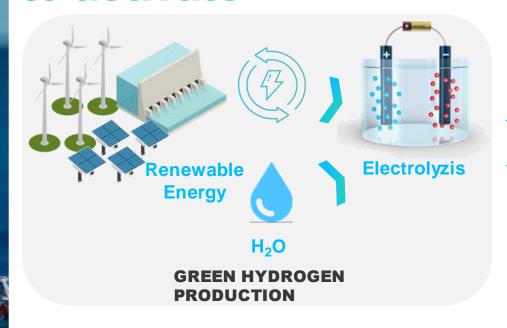
To be a leader in renewable ("Green") hydrogen, a front runner in the development of a large-scale hydrogen economy that will enable the energy transition for customers in diverse industries and regions across the world.

Our vision

ENGIE is a front-runner in the development of an industrial-scale hydrogen economy worldwide



A Complex, investment-intensive value chain to activate









END USES



Industry applications (ammonia, refineries, methanol, etc.)



Fuel Cell Vehicules (road, rail, mining trucks)



Residential applications Heating, power

ENGIE leads the way along the entire hydrogen value chain, from production to fit-for-purpose carbon-neutral solutions

We act as developer, integrator & operator on the entire value chain

Subsidies

Investor **Financing**

0

ENGIE

Developer **Integrator &** operator

Offtakers

Design **Integrated** solutions

0

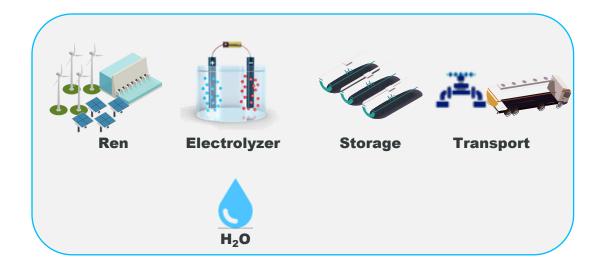
o HSE

SYNCHRONIZE



Orders







~70

Projects underway (20>50 MW and +50 <50 MW)

10

Countries in 3 regions (Europe, Americas, AMEA)

200

Dedicated experts

4 GW

of Green H₂ capacity by 2030 (0.6 GW by 2025) 700 km

of Transmission pipeline by 2030 (170 by 2025)

1 TWh

of Storage by 2030 (0.3 TWh by 2025)

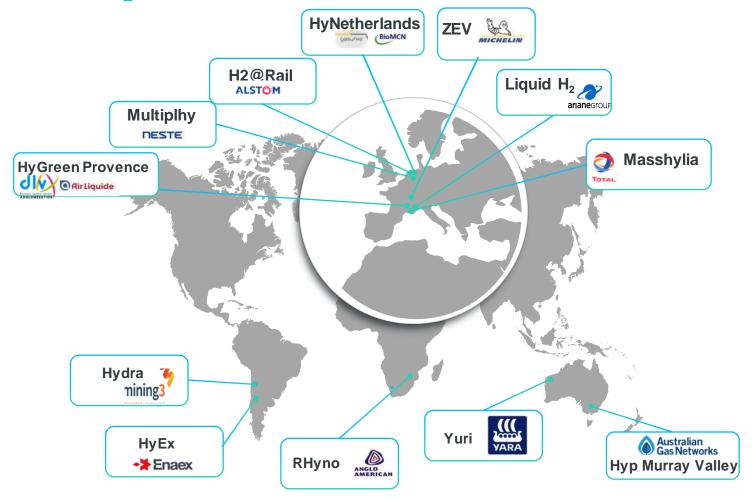
> 100

refueling stations by 2030 (50 in 2025)

Image: Masshylia Project – La Mede biorefinery – Total Energies

IMRE Nedim – TOTAL Energies

We operate Worldwide



Projects	Sectors
HyGreen Provence	Mobility and industry
Multiplhy	Bio refinery
H2@Rail	Trains
HyNetherlands	Chemical feedstock, industrial fuel and transport
ZEV	Mobility
Masshylia	Bio refinery
Liquid H2	Maritime and more
Hyp Murray Valley	Network injection
Yuri	Green ammonia
Rhyno	Mining
НуЕх	Ammonia nitrate
Hydra	Mining

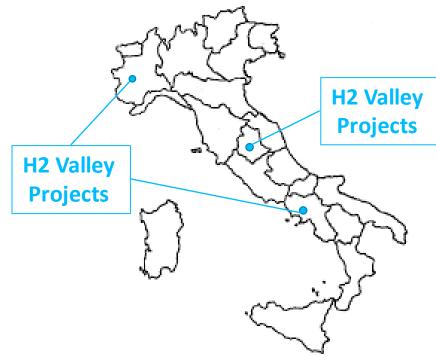
Hydrogen Valleys PNRR Projects







M2C2-I3.1 → Stanziati 500 mln €, di cui almeno il 50% destinati alle Regioni del Mezzogiorno (Abruzzo, Basilicata, Calabria, Campania, Molise, Puglia, Sardegna e Sicilia) «Elettrolizzatori installati in aree industriali dismesse».



Missione 2: Rivoluzione verde e transizione ecologica

Componente 2: Energia rinnovabile, idrogeno, rete e mobilità sostenibile

Investimento 3.1: Produzione in <u>aree industriali dismesse (Hydrogen Valleys)</u>

Hydrogen Valleys PNRR Projects





STUDI DI PRE-FATTIBILITA' IN CORSO









Il Lay-out di impianto



Superficie disponibile: c.ca 20.00 mq



 Impianto solare a pannelli fotovoltaici – 13.000 m² circa – Produz.: c.ca 1,35 MW



 Area per installazione impianto produzione e stoccaggio di H₂ (Electrolysers&Storage)

