

THE ONGOING INCREASE OF POWER GENERATION FROM RENEWABLE SOURCES IS A KEY FACTOR TO ACHIEVE THE SUSTAINABILITY GOALS THAT TEMPCO ALSO PURSUES BY DEVELOPING SOLUTIONS TO FOSTER ENERGY EFFICIENCY AND SMART ENERGY CONSUMPTION.

2.799_{GW}

Global renewable generation capacity at the end of 2020.

26%

WIND

(733 GW)

26%

SOLAR

(714GW)

5%

OTHERS

(127 GW BIOENERGY,
14 GW GEOTHERMAL,
500 MW MARINE ENERGY)

43%

HYDROPOWER

(1.211 GW)

SOURCE:
International Renewable Energy Agency,
March, 2021 Renewable Capacity Statistics 2021.

European Green Deal goals.

Reduction of net greenhouse gas emissions by **55%** by 2030, compared to 1990 levels. **40%** share of renewable energy target for 2030.

SOURCE: European Green Deal
updated July 14, 2021.

China is the first market for renewable energy in the world.

Additional renewable capacity in China in 2020, **64%** of the global additional capacity

136_{GW}49_{GW}

SOLAR

12_{GW}

HYDROPOWER

2_{GW}

BIOENERGY

72_{GW}

WIND

United States
are the second market for
renewables in the world
with **29GW**
(additional
renewable capacity 2020).

SOURCE: International Renewable Energy Agency,
March, 2021 Renewable Capacity Statistics 2021.

Renewables in Italy

Renewables share per typology
in Italian energy market

(period January-April 2021)

37,4%

HYDROPOWER

21,3%

WIND

19,7%

PHOTOVOLTAIC

16,6%

BIOENERGY

5%

GEOTHERMAL

SOURCE:
Report Terna related to the first quarter of 2021, published in May 2021.

Share of renewables
in Italian power consumption
during the
1st quarter 2021

35,5%

(period: January-April 2021)

Growth forecast for renewables in 2021.

SOURCE: Global Energy Review 2021, IEA - International Energy Agency.

+18%

145_{TWh}

SOLAR

+17%

275_{TWh}

WIND

+3%

140_{TWh}

HYDROPOWER

+10%

72_{TWh}

BIOENERGY

30%

Expected share
of renewables in global power
generation for 2021.

Improvement in costs competitiveness of renewables

\$156_{Bil}

Cumulative saving expected from the new
renewable power generation projects
realized in 2020 in emerging economies.

62%

of the total net increase
in global renewable
power generation
capacity added in 2020
had costs lower than
the lowest cost source
of new fossil fuel-fired
capacity.

PHOTOVOLTAICS

-85%

CPS
(CONCENTRATING
SOLAR POWER)

-68%

WIND
ONSHORE

-56%

WIND
OFFSHORE

-48%

COSTS DECLINE OF ELECTRICITY FROM UTILITY SCALE RENEWABLES

(reference period: 2010-2020)

SOURCE: Report IRENA Renewable Power Generation Costs in 2020, June 2021.