NEW ENERGY SOLUTIONS FOR 1.5°C

TO LIMIT GLOBAL WARMING TO 1.5°C, WE NEED TO SHARPLY REDUCE EMISSIONS

Every year, we need to reduce the equivalent of Russia’s annual energy-related CO₂ emissions

As an example, we can reduce 1.4GtCO₂/year by

- Tripling the rate of renewable energy deployment
- Making all new cars electric vehicles
- At least doubling the deep renovation rate of buildings

ALL PLAYERS NEED TO ACT FAST

We can make significant headway today... with proven technologies and low-carbon fuels

~ 80% of global CO₂ emissions COME FROM THE ENERGY SYSTEM

Mitigation options are:

- **Buildings**
  - More efficient devices
  - Better building envelopes
  - Electric or renewable heating
  - New buildings low- to zero-emissions

- **Industry**
  - Energy efficiency
  - Electrify low-temperature heat
  - Adopt renewable heat solutions, e.g. solar and bioenergy

- **Transport**
  - Energy efficiency
  - Adopt lower carbon fuels in aviation, road freight and shipping
  - Electrify mass transit
  - Scale up electric vehicles

- **Other**
  - Expand renewable generation
  - Phase out unabated fossil generation
  - Digitalize the power system
  - Electrify industry, buildings and transport

TO BE SUCCESSFUL...

...NEED TO COLLABORATE

COMPANIES ARE LEADING ON SOLUTIONS FOR A 1.5°C ENERGY SYSTEM

Find out more about energy pathways to 1.5°C and how New Energy Solutions can help.