PHI SUEA HOUSE PROJECT

CLIMATE CHANGE

Current Situation

Human Activities

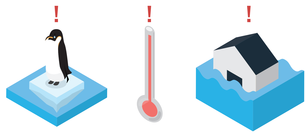
- Car driving release CO_2

- Forest burn

- Smoke from factories

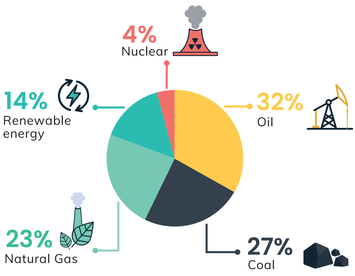
cause

Greenhouse Effects



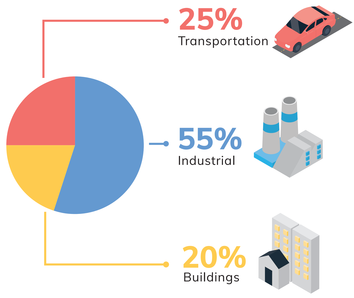
- Temperatures will keep rising
- Arctic will become ice-free
- Frost-free seasons will lengthen
- More droughts and heat waves
- Sea level will rise
- Hurricanes will become stronger

2022 Energy Consumption



Source: World Energy Council, 2016
https://www.worldenergy.org/wp-content/uploads/2016/10/World-Energy-Resources-Full-report-2016.10.03.pdf

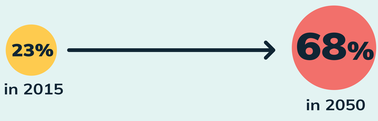
CO_2 Emission by Sector

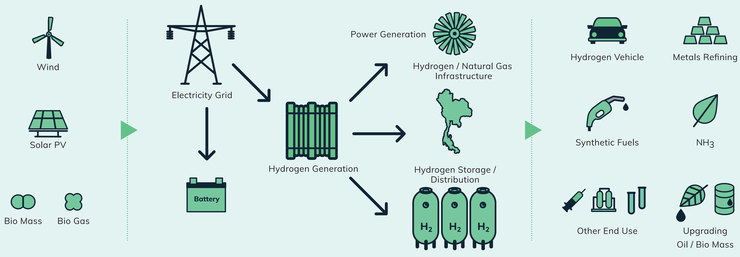


How to stop Climate Change?

To limit global warming to 2°C, we need to increase share of renewables from

Source: Hydrogen Council, Hydrogen scaling up, November 2017 (p.58)



Hydrogen is the solution

The transportation sector would consume 20 million fewer barrels of oil per day, and domestic energy security would rise significantly. Hydrogen would contribute roughly 20% of the additional abatement required to limit global warming to two degrees Celsius.