



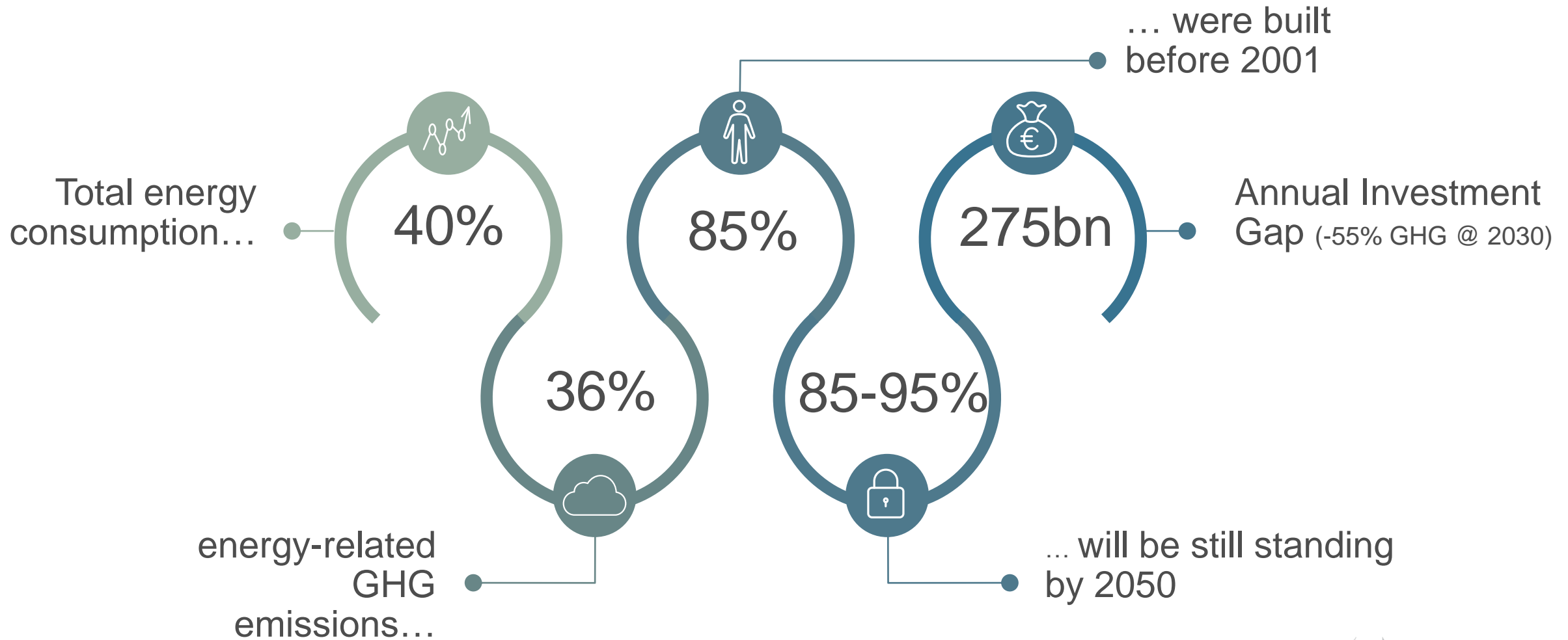
Renovation Wave

Greening our buildings - Creating jobs - Improving lives

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Buildings in numbers



Context: Climate Target Plan 2030

The Climate Target Plan 2030 sets a new **55%** emission reduction target (compared to 1990).

Renewable energy generation and **energy efficiency** are key.

Status quo

- ❖ Very rarely, renovation works address energy performance of buildings.
 - ❖ Currently, the annual weighted average energy renovation stands at **1%**.
- ❖ At this pace, reaching net-zero would require centuries.

What is needed by 2030

- **Reduce GHG by 60%** (compared to 2015)
 - Reduce buildings' final energy consumption by **14%**
- Reduce energy consumption for heating and cooling by **18%**

Context: Recovery

Investing in buildings can inject a much-needed stimulus in the construction ecosystem.

NextGeneration EU offers an **unprecedented volume of resources**.

Status quo

- ❖ The construction sector has been hard hit by the economic impact of the COVID-19 crisis.
 - ❖ 90% of companies in the construction sector are SMEs.

Building renovation as a job motor

➤ Local jobs

- Energy efficiency in buildings is the largest generator of jobs per million euros invested (*12-18 jobs, source: IEA*)

Ambition

At least **double the annual energy renovation rate**

Make **deeper energy renovations** happen

Concerted efforts at all levels

Local, regional, national, EU

Administration, citizens, industry, stakeholders

7 lead intervention areas

Strengthening
information,
legal certainty
and incentives

Reinforced,
accessible and
well-targeted
funding

Increasing
capacity and
technical
assistance

Green jobs,
upskilling &
attracting new
talents

Creating a
sustainable built
environment

Integrated,
participatory and
neighborhood-
based approach

European
Bauhaus



Role of energy storage in the Renovation Wave strategy

- **Integrated approach:** *“integrated digital renovation that combines **energy storage** and demand-side flexibility, on-site energy generation from renewable sources, Internet of Things of the system components, appliances and recharging points for e-mobility”*
- Storage could help to **optimise energy consumption** and **increase the level of energy efficiency** in buildings.
- Energy communities and prosumers will bring to buildings more electric vehicles, self-consumption, **behind-the-meter storage**
- Digitalisation and new technologies like storage will enable **buildings to deliver flexibility services** to the energy system.

Further details on:

https://ec.europa.eu/commission/presscorner/detail/en/ip_20_1835

https://ec.europa.eu/energy/topics/energy-efficiency/energy-efficient-buildings/renovation-wave_en



Thank you