



05 / 2024



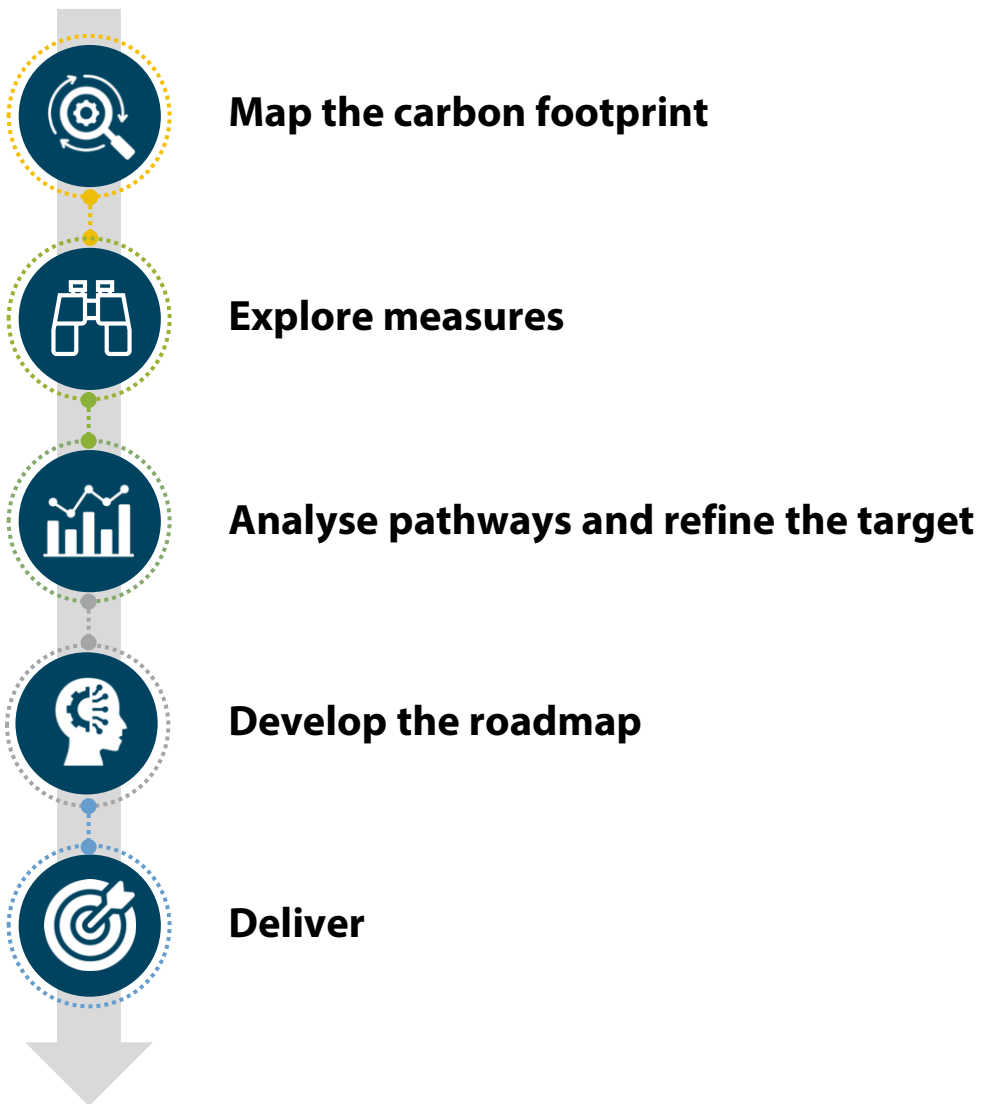
Bergamo Airport

# Milan Bergamo Airport, Sustainable Roadmap to Net Zero

MILAN  
BERGAMO  
AIRPORT | **BGY**



# Airport Net Zero Roadmap \_ ACI guidelines



1

- Define the target scope
- Select the reference year
- Measure the carbon footprint

2

- Involve the airport community and other stakeholders
- Perform benchmarking
- Create an extensive list of possible measures and actions
- Select measures

3

- Identify and evaluate pathways
- Break down the target and define trajectory
- Define interim targets

4

- Build the roadmap
- Implement a governance plan
- Communicate using a public document

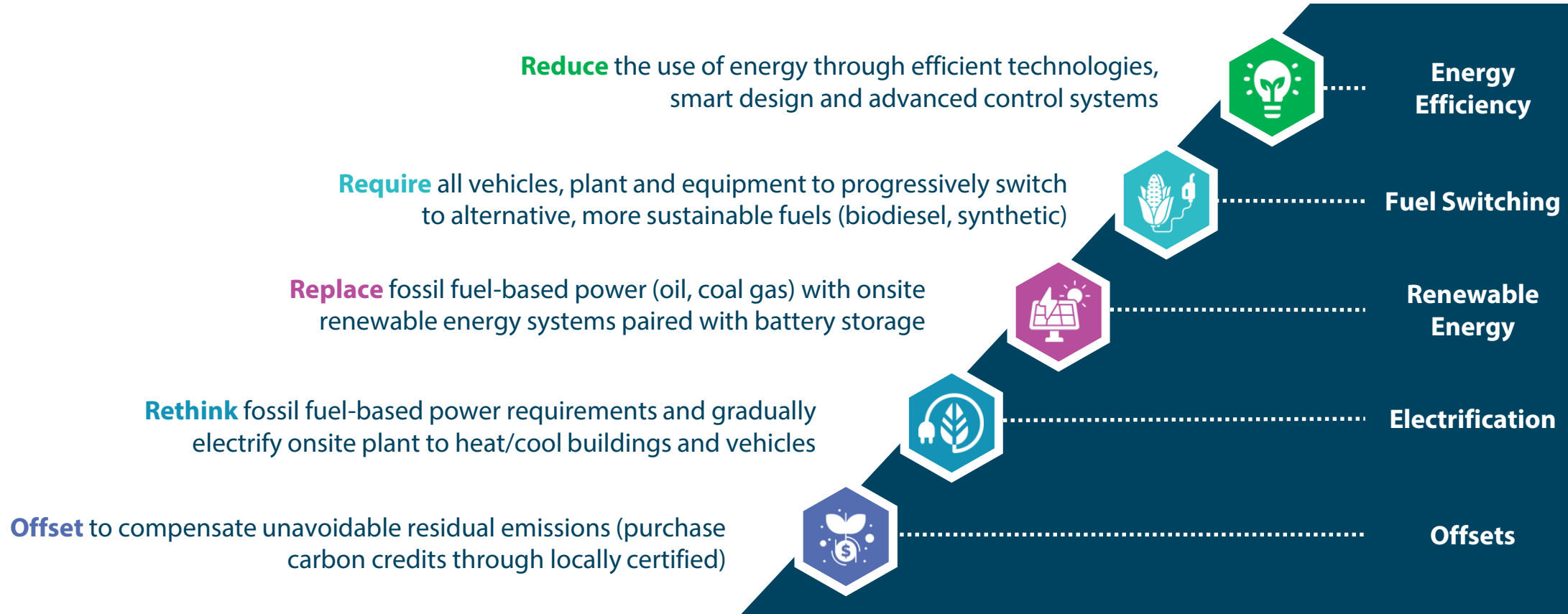
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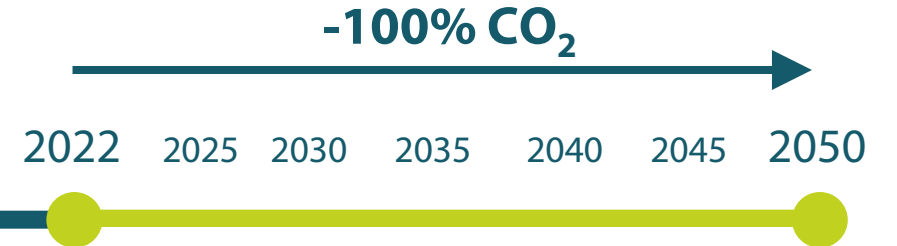
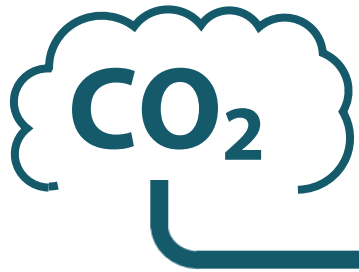
- Develop feasibility and design studies
- Communicate, train, and engage with the community
- Monitor through regular progress reporting

# BGY Carbon Strategy



**-100% CO<sub>2</sub>  
by 2050**





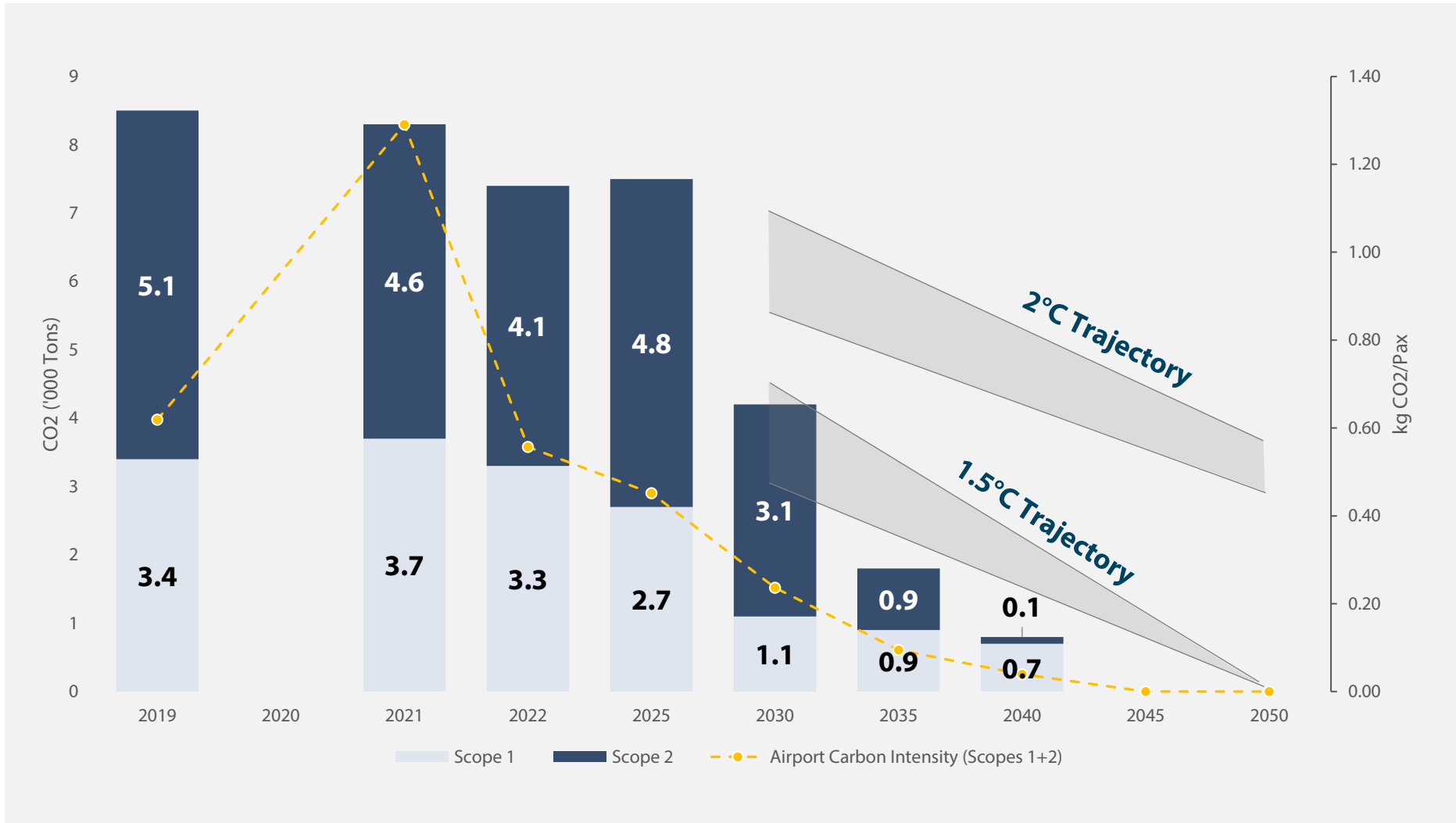
Improvement Measure	Scope Saving	Cluster	Optimization / Innovation	Timeframe
1 Biofuel blend	1	Vehicles		2022 - 2050
2 100% GSE Electric fleet	1	Vehicles		2022 - 2040
3 Solar panels on parking areas	2	Energy		2022-2025, 2025-2030, 2030-2035
4 100% green electricity acquisition	2	Energy		2022 - 2050
5 Heat Pumps – green electricity	1	Heating		2030 - 2045
6 Energy monitoring system	1	Heating		2035 - 2045
7 Green refrigerants	1	Cooling		2035 - 2045
8 Fuel cell/ Electric boiler for sanitary water	1	Heating		2045 - 2050
9 Smart lighting - LED	2	Lighting		2022 - 2025

# BGY Net Zero Pathway

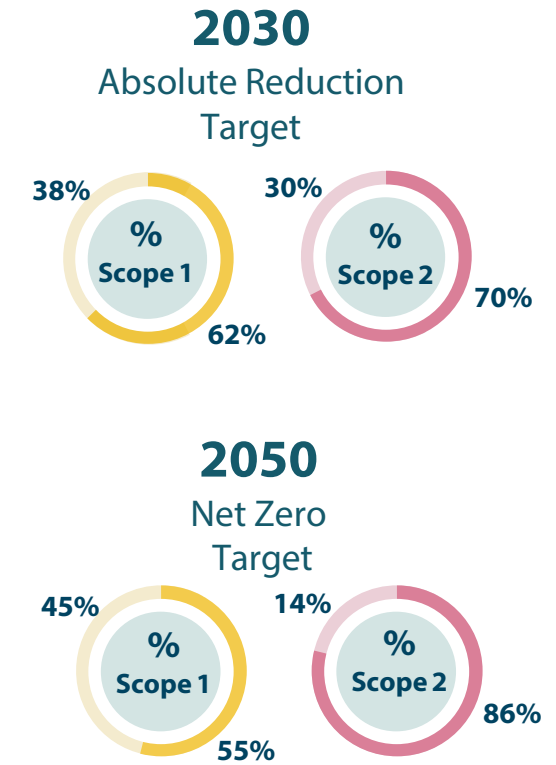
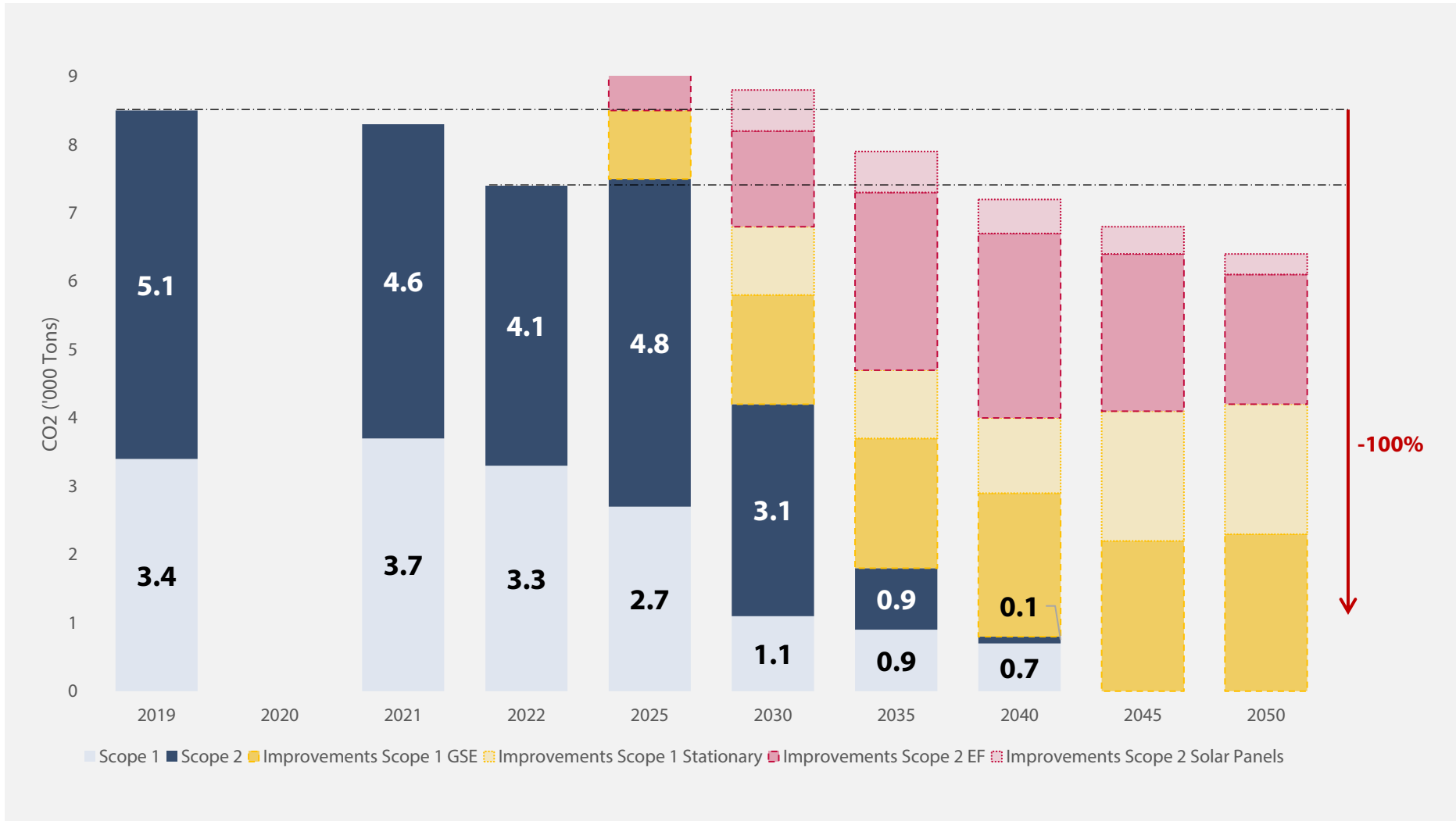
The **main interventions** and solutions to decrease Bergamo Airport's carbon footprints, mainly encompassing Scope 1 and 2, are:

- **Adoption of Biofuel blend**, as a temporary solution to accelerate the reduction in the carbon emissions
- **Achieving 100% electrification of the GSE fleet**, with the total electrification of GPUs already in 2030
- **Installation of Solar panels on parking areas**, to harnessing renewable energy sources
- **Acquisition of 100% green electricity**, through an agreement with the electric energy provider
- Providing the heating with **Heat Pumps** and fuel cell-powered electric boilers for water heating, to operate on energy sourced from 100% green production, resulting in a complete elimination of CO<sub>2</sub> emissions.
- Installation of **Energy monitoring system**, Smart lighting - **LED**

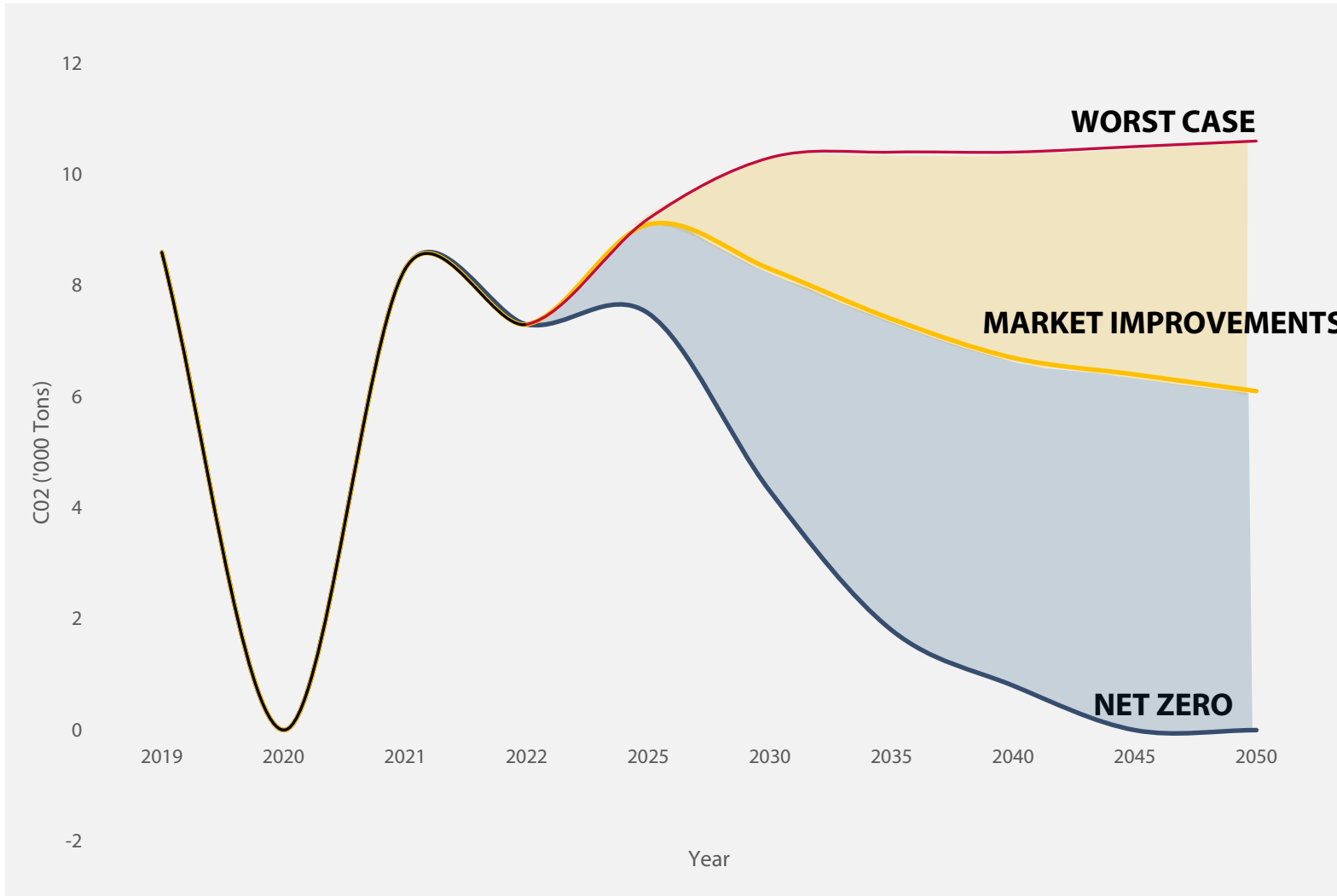
# BGY Net Zero Pathway





# BGY Net Zero Pathway





# BGY Net Zero Pathway



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**Improvements resulting from market influences.**
- 

**Reducing emissions from 11k tons to 6k tons of CO2 by 2050.**
- 

**Achieving Net Zero by 2050 will demand greater efforts from BGY.**
- 

**Net Zero is **reached by 2045** after BGY's improvement measures.**

