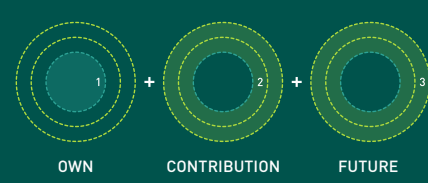
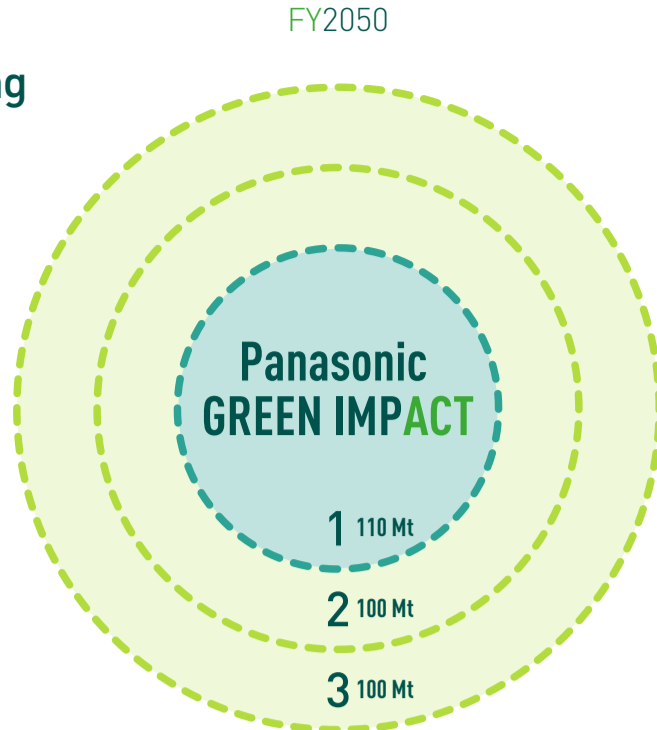


# Panasonic GREEN IMPACT



We are reducing CO<sub>2</sub> emissions by reducing our part and helping customers reduce their emissions.

- 1 OWN IMPACT**  
We're reducing emissions in our own value chain—from the making and using of our products and services.
- 2 CONTRIBUTION IMPACT**  
We are contributing to the reduction of emissions by society through the use of products and services that help to avoid emissions.
- 3 FUTURE IMPACT**  
Our future impact of avoided emissions comes from new and planned technologies.



## REAL CHANGE STARTS WITH TRANSPARENCY

CO<sub>2</sub> emission is based on the year 2020.

### OUR INFLUENCE EXTENDS BEYOND DIRECT ACTIONS

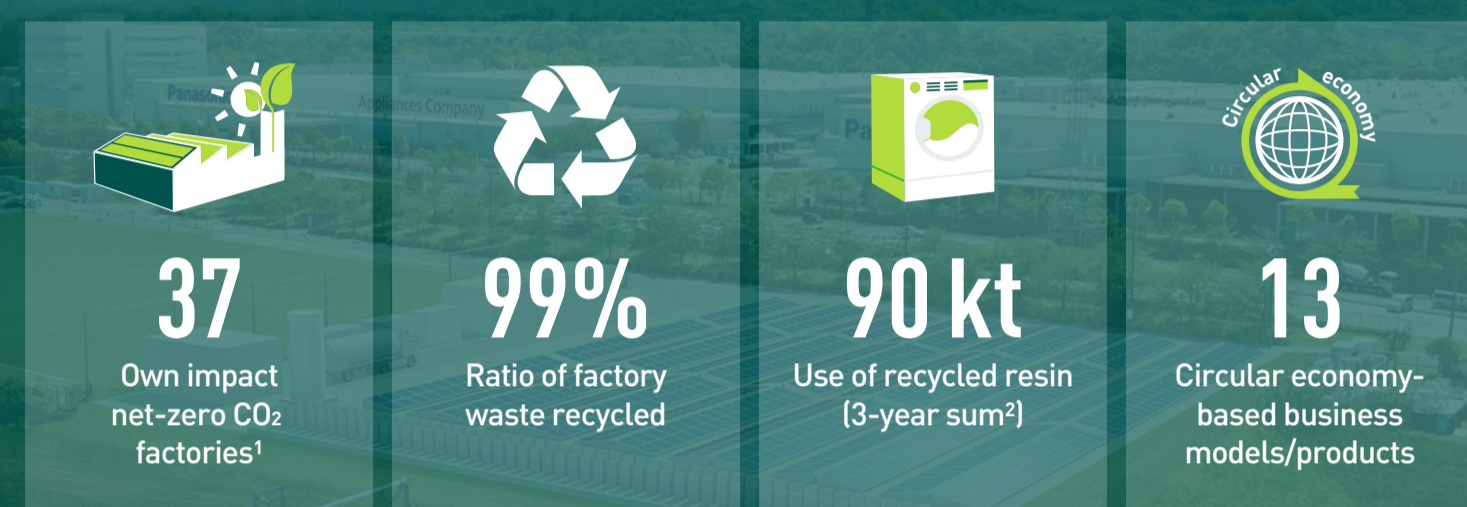
We are working to influence new ways of working, living, traveling and doing business.

**2024**  
Increase our number of net-zero factories, recycle nearly all factory waste, more than double our use of recycled resin and nearly triple the number of products that fit into a circular economy model.

**2030**  
Reduce CO<sub>2</sub> emissions from our own value chain in addition to net-zero in-house emissions by 110 Mt.

**2050**  
Panasonic Group aims to create impact that reduces CO<sub>2</sub> emissions by more than 300 million tons or about 1% of the current total global emissions.

## GREEN IMPACT PLAN 2024

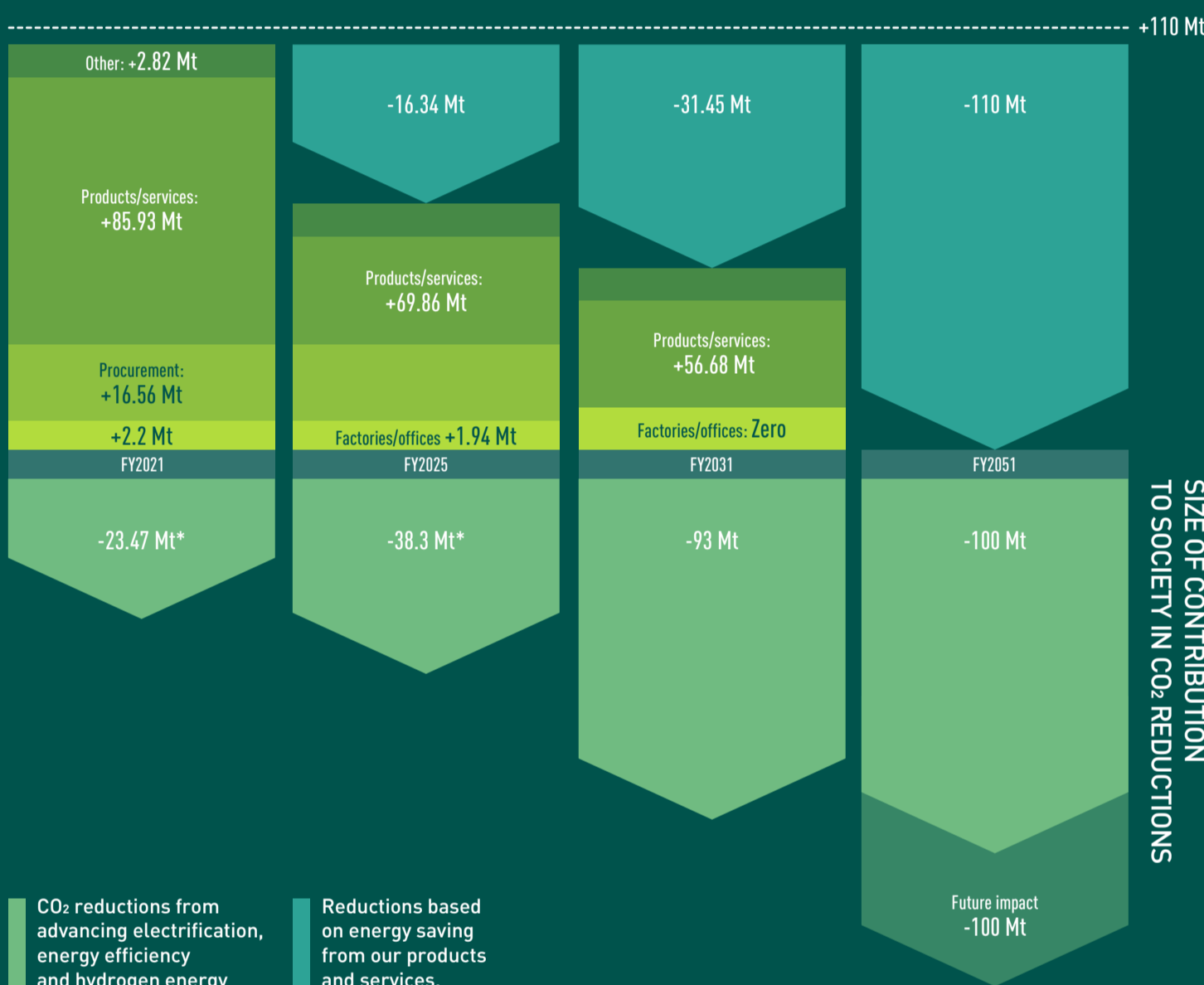


1. Classification made based on Greenhouse Gas (GHG) Protocol, the international calculation standard

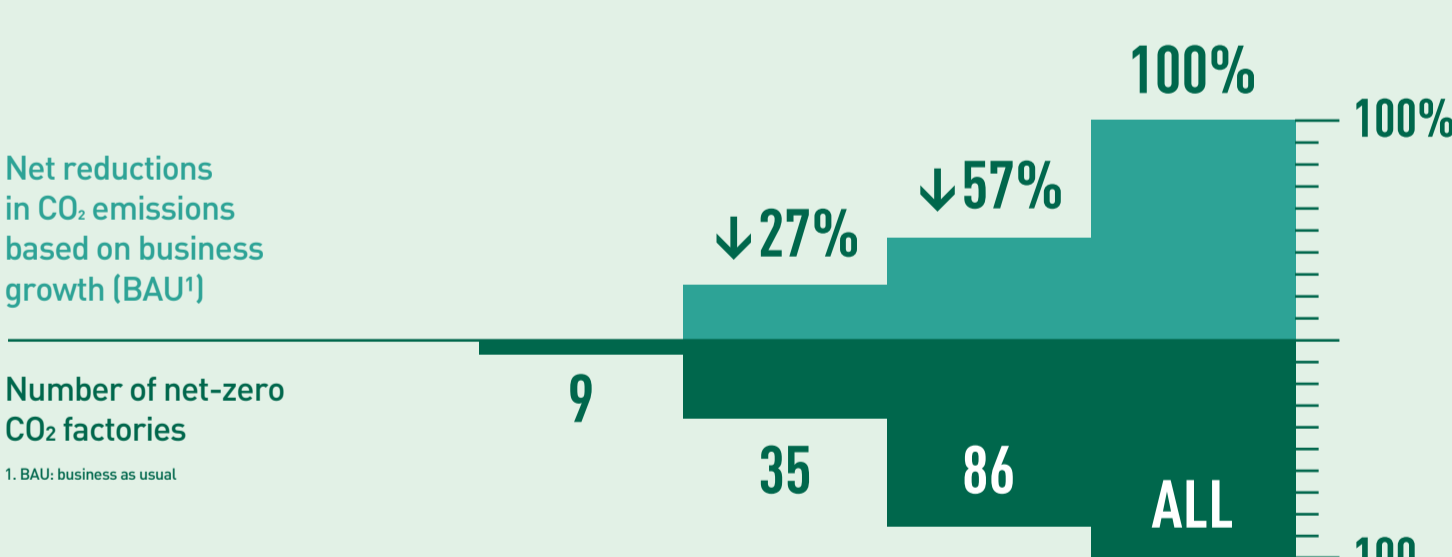
2. "3-year sum": FY2020-FY2022 cumulative results / FY2023-FY2025 cumulative targets

## GIP2024 ENVIRONMENTAL ACTION PLAN

We've worked hard to calculate our own emissions and the path to reduce them, plus our impact on others.



## 100% NET-ZERO FACTORIES BY 2030



## OUR PRODUCTS AND SOLUTIONS PROVIDE ALTERNATIVE AND MORE EFFICIENT ENERGY SOURCES

Category	Products/services	FY2021	FY2025	FY2031
Electrification	Non-fossil fuels & green vehicles	↓ 9.7 Mt	↓ 25.1 Mt	↓ 70 Mt
	Automotive batteries for green vehicles	↓ 8.0 Mt	↓ 21.0 Mt	↓ 59 Mt
	Hot water heat-pump system	↓ 1.1 Mt	↓ 3.8 Mt	↓ 11 Mt
Hydrogen	Promote/optimize efficient use of energy	↓ 2.4 Mt	↓ 6.3 Mt	↓ 17 Mt
	IAQ & A/C devices <sup>2</sup>	↓ 0.2 Mt	↓ 0.7 Mt	↓ 4 Mt
Energy efficiency	Expand use of zero-carbon energies	↓ 0.2 Mt	↓ 0.6 Mt	↓ 6 Mt
	Pure hydrogen fuel cell	↓ 0.2 Mt	↓ 0.6 Mt	↓ 6 Mt

2. IAQ: indoor air quality, A/C: air conditioning