



# ABOUT CLASP

## ■ ABOUT

CLASP is the leading global authority on appliances' role in fighting climate change and promoting sustainable development.

CLASP provides sound recommendations, innovative tools, and groundbreaking research to advance appliance policy, technology, financing, and markets. It focuses on the appliances most critical to reducing emissions and improving lives and livelihoods.

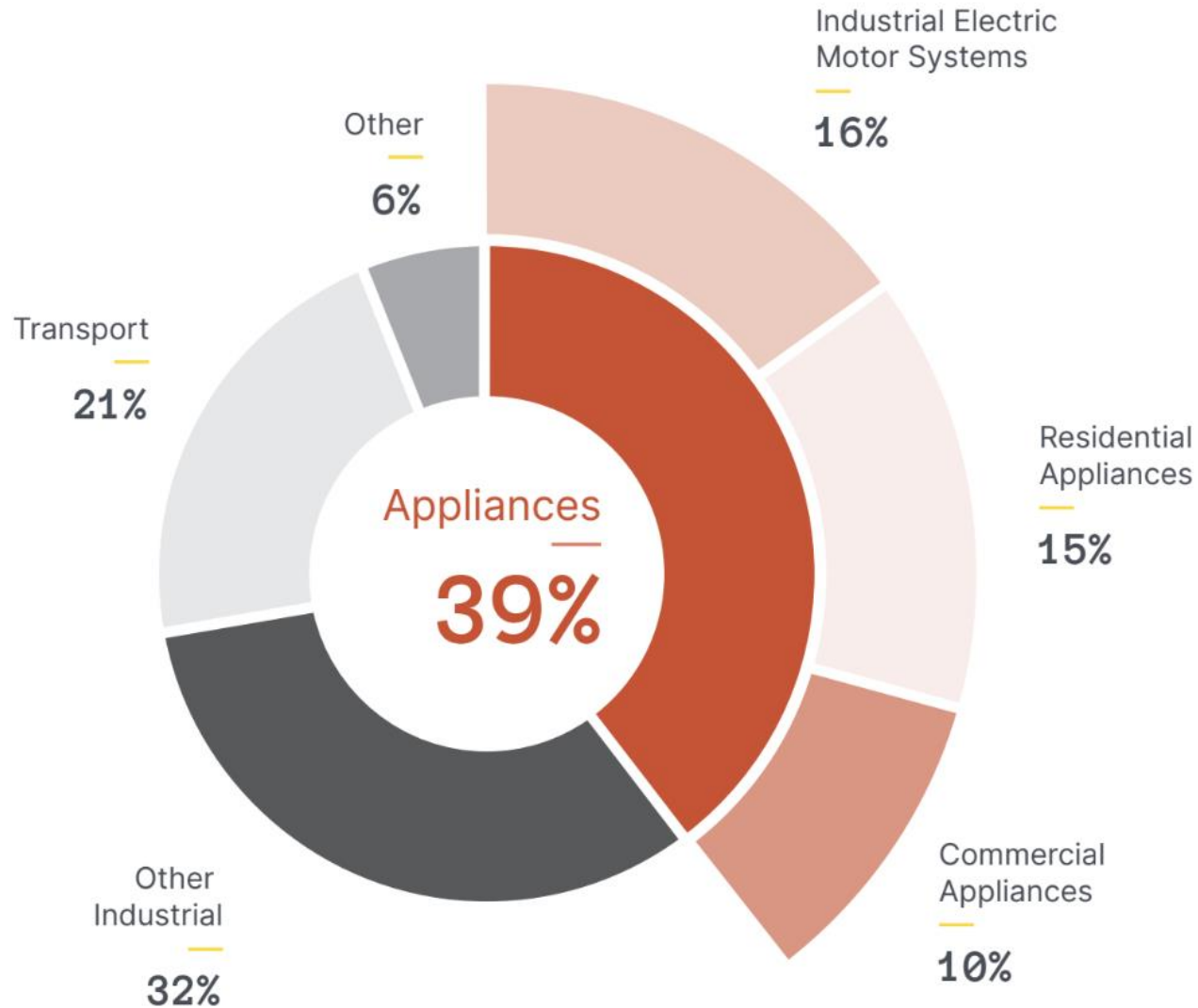
## ■ AREAS OF EXPERTISE

- Energy and quality standards
- Labeling and buyer education
- Awards and product recognition
- Compliance, testing, and quality assurance

## ■ WHERE WE WORK

- Five global offices: China, Europe, Indonesia, Kenya, and the United States
- Projects implemented in over 90 countries

# Appliances have a major impact on our climate



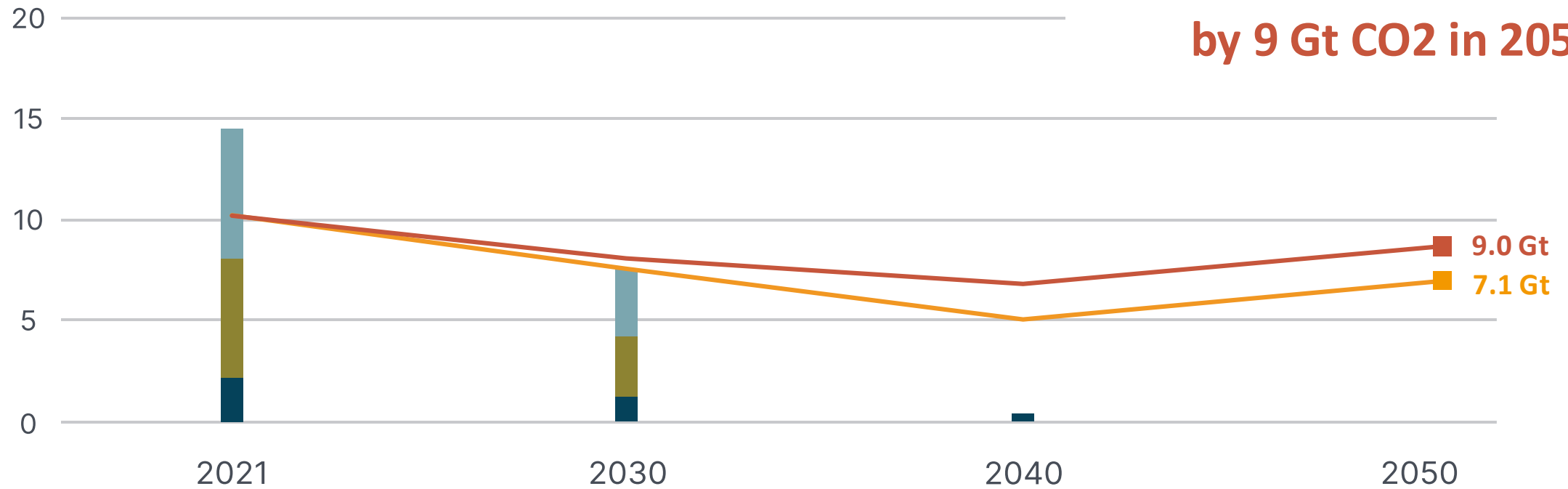
Appliances are responsible for **39.3% of energy-related CO<sub>2</sub> emissions.**

These emissions are equal to roughly the total CO<sub>2</sub> emissions from **China, Europe, and Brazil.**

# CO<sub>2</sub> Emissions Under Business as Usual (BAU) & Global Benchmarks Scenario

**Under business as usual, appliances would overshoot Net Zero Emissions by 9 Gt CO<sub>2</sub> in 2050**

CO<sub>2</sub> Emissions (Gt)



- Residential and Commercial Net Zero Indirect Emissions Target from IEA
- Industrial Electric Motor Systems Net Zero Target from IEA
- Residential Net Zero Direct Emissions Target from IEA

- Global Benchmarks
- Business as Usual



**At the same time, billions of people do not own the appliances needed to live healthy, productive lives.**

**Many of the countries with the largest appliance access gaps are also most at risk to the dangers of climate change.**  
**3.6 billion people live in regions highly vulnerable to climate change.**

A woman with short dark hair, wearing a red ribbed sweater, is leaning over a young child with short dark hair wearing a teal polo shirt. They are both looking at a silver and black rice cooker. The woman has her hand near the child's face. The rice cooker has a digital display showing '00:03' and the brand name 'Instant Pot' is visible.

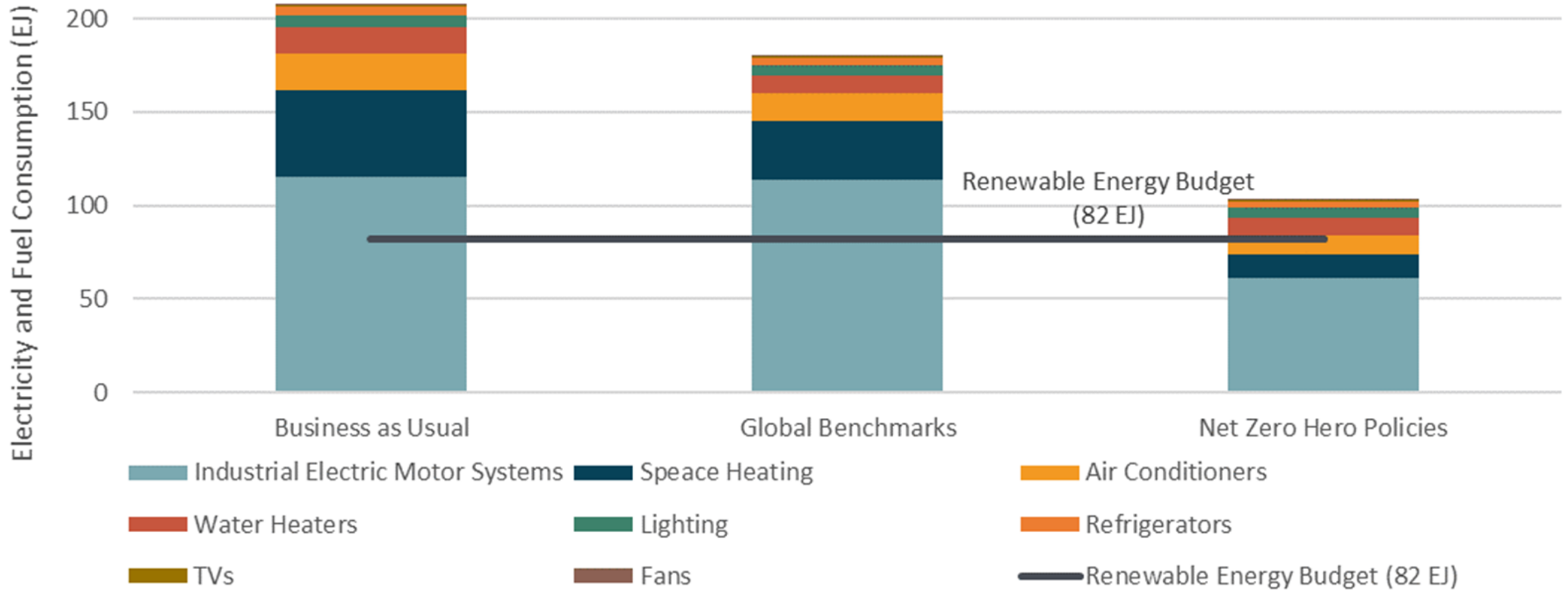
But a clear pathway  
to planet- and  
people-friendly  
appliances exists

CLASP has identified the ten appliances that should  
form the basis of an unprecedented efficiency push:

**THE NET ZERO HEROES**

# Net Zero Hero Targets

Ambitious policy targets get appliances within 21 EJ of the renewable energy budget in 2050.



# MEETING CLASP'S NET ZERO HERO TARGETS WOULD:

- **Avoid 9.2 Gt of CO<sub>2</sub> in 2025** relative to BAU, enabling appliances to do their part in meeting IEA's Net Zero goal
- **Reduce exposure to climate risks and improve quality of life** through enhanced food security and economic opportunity for **over 100 million people**
- **Improve health outcomes for nearly 100 million people**

**JUST LAUNCHED**



The **Net Zero Appliances NDC Toolkit** helps governments incorporate climate-friendly targets for appliance efficiency into Nationally Determined Contributions (NDCs) to the Paris Agreement.

# NET ZERO APPLIANCES NDC TOOLKIT





# OUR PRIORITIES:

- **Support governments in 20 high-emitting economies** to support the development of appliance energy efficiency policies, such as minimum energy performance standards and labels, and define clear efficiency targets for appliance efficiency in NDCs and climate plans.
- **Position appliances as a key mitigation solution** through a global campaign.
- **Expand access to energy-efficient off-grid appliances** and equipment through research and market development programs like the Low-Energy Inclusive Appliances (LEIA) program.