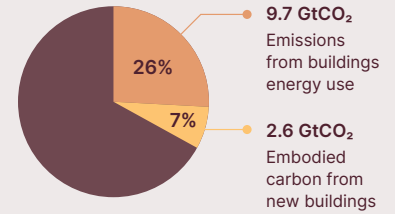




Solution toolkit: Actions for energy and technology companies

Buildings decarbonisation relies on the deployment of a wide range of clean and efficient technologies and active support for their rollout.

Global emissions



Heating



Cooling



Cooking



Lighting and appliances



Embodied carbon

Drive cost reductions and efficiency improvements



Set commitments and targets for clean heating and cooking technologies to account for an increasing share of total sales.



Invest in R&D to improve technologies:

- Heat pumps: Focus on improving efficiency, reducing size and noise, and the ease of installation to drive down costs.
- AC: Focus on improving efficiency and reducing the risk of refrigerant leakage.
- Solar panels, batteries and other household appliances: Focus on improving efficiency, asset lifetimes and lowering costs.



Engage in bulk procurement deals with national and local governments to support the decarbonisation of public buildings, social housing, and lower the costs of household appliances.



Commitments to use refrigerants with a low global warming potential (GWP) in heat pumps and AC.



Commitments to exceed regulated minimum energy performance standards.

Build infrastructure, skills and supply chains



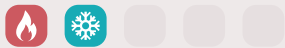
Conduct a full review and evaluate any constraints in national and local electricity networks and identify priority investments.



Assist policymakers in developing street-by-street decarbonisation strategies, providing data and projections of supply pipelines and workforce gaps.



Invest in training heating and cooling engineers and retrofit practitioners, participating in skills accreditation schemes and providing apprenticeships.



Engage with policymakers on supply chain constraints and the importance of policy certainty.

Drive the deployment of electric, smart and flexible technologies



Build consumer trust in electric technologies through local pilots, one-stop-shop advice services and consumer information campaigns.



Commitments to rolling out smart metres to all customers without them.



Introduce dynamic time-of-use tariffs, enabling consumers to benefit from smart heating, cooling and EV charging.