

# Heathrow's net zero plan



# Climate change is an existential risk for aviation



Extinction Rebellion Protest, Heathrow, 2019

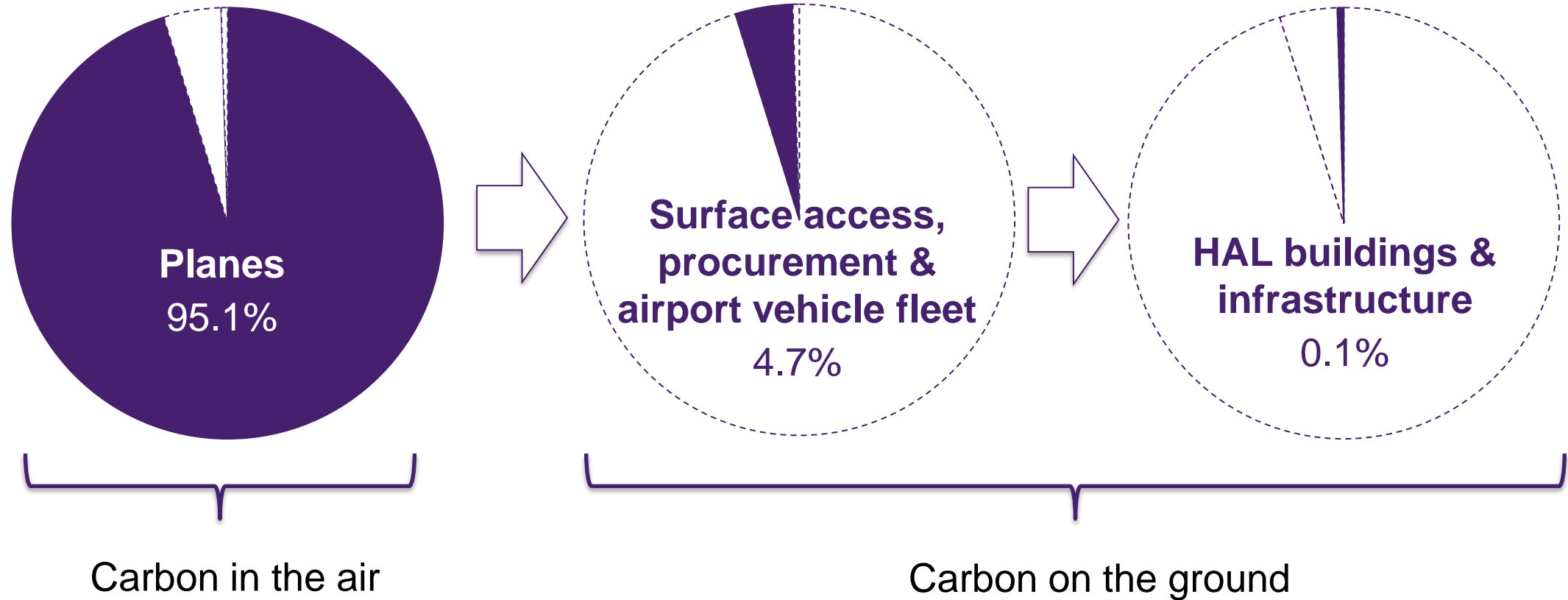
# Global industry momentum for net zero is growing



\* Airlines with public commitments to purchasing c. 10% or more SAF by 2030

# Heathrow cannot solve carbon alone

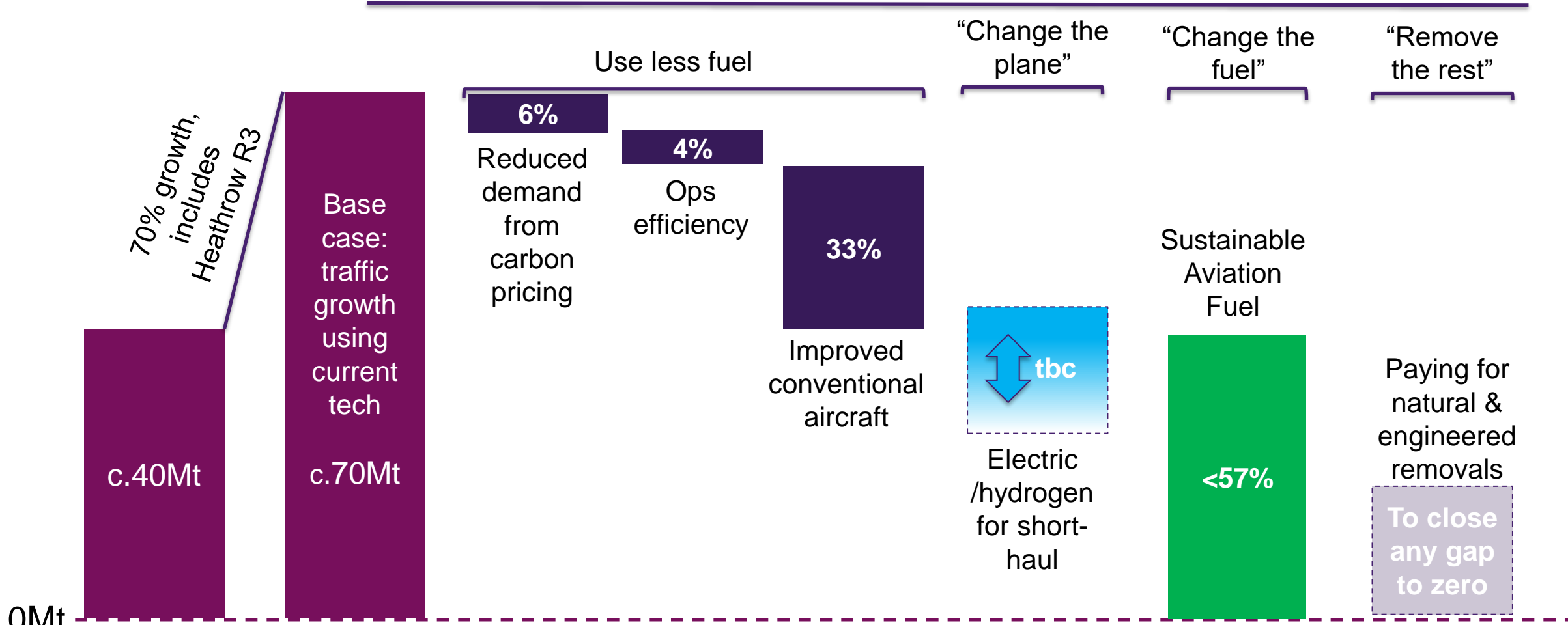
## Heathrow's carbon footprint



# We can take the carbon out of flying even as we grow

Today

By 2050



Emissions from UK aviation – million tonnes (Mt) of CO<sub>2</sub> per year

Adapted from Sustainable Aviation Pathway to Net Zero

# There are four solutions to carbon in the air



A. Use less fossil fuel by operating more efficiently & by modernising airspace



B. Use less fossil fuel by improving conventional aircraft and engines



C. "Change the fuel" to low carbon "Sustainable Aviation Fuel"(SAF) dropped into today's planes

All the actions in the net zero plan will help cut local air pollution too.



D. "Change the plane" to new zero emission planes, likely hydrogen

# And four solutions to carbon on the ground



E. Enable net zero for passenger and colleague surface access



F. Leverage our procurement role to deliver a net zero supply chain



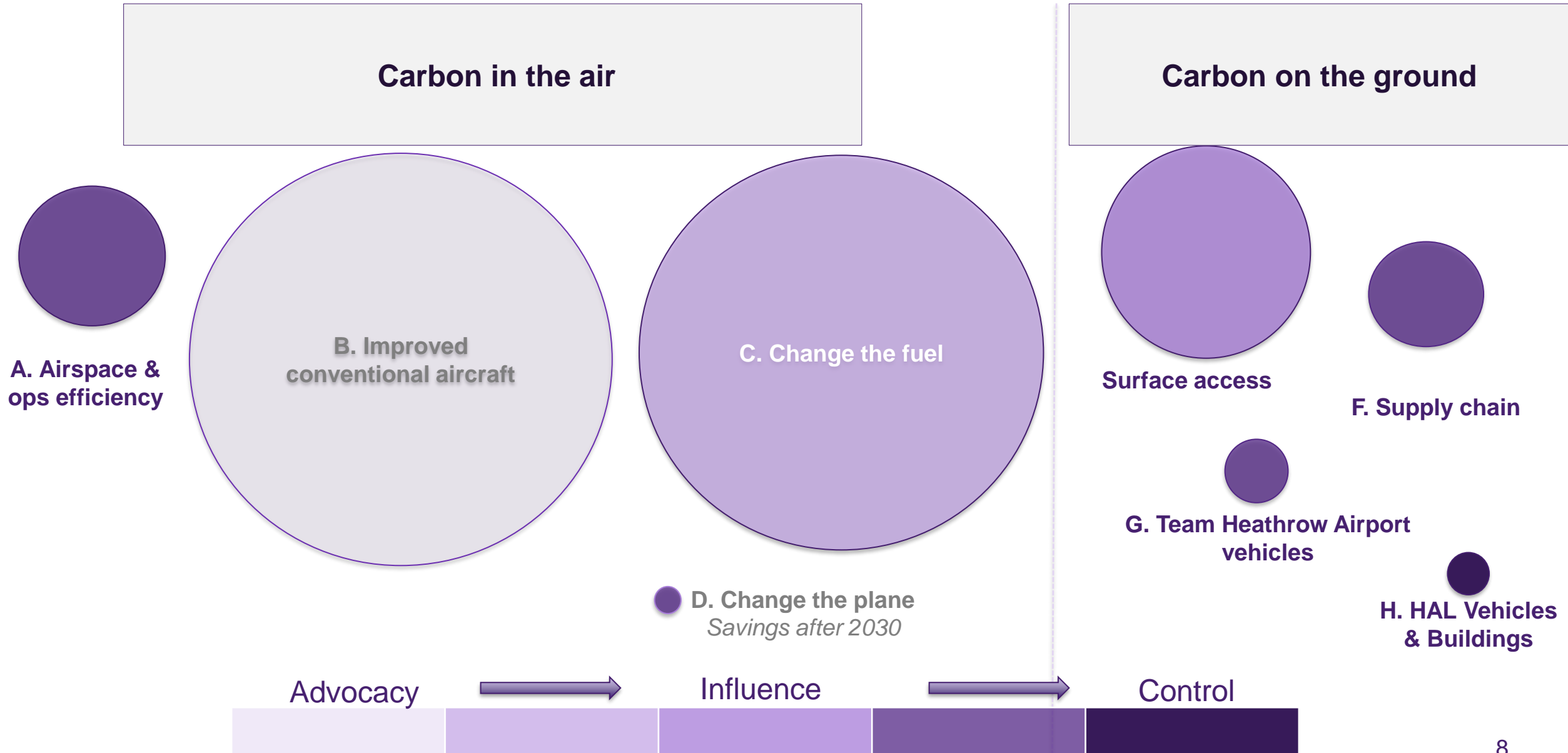
G. Shift airport vehicles to zero carbon

All the actions in the net zero plan will help cut local air pollution too.



H. Get our buildings and infrastructure to zero carbon

# Relative contributions from each solution this decade





# Taking action now, in partnership, to get to net zero

Cutting carbon 'in the air' this decade through four main solutions, including ramping up SAF use



Cutting carbon 'on the ground' this decade through four solutions including colleague surface access



*Examples of actions in progress or in plan*

- Driving efficiency through **airspace modernisation**, **ATM efficiency** and **fleet modernisation**.
- Aiming for maximum viable **SAF** in 2030 including through an aeronautical charges incentive.
- '**Change the plane**' to new zero emission aircraft likely fuelled by hydrogen post 2030 with an understanding of infrastructure requirements before then.
- **Vehicles:** Enabling the transition to Zero Emission Vehicles by providing of charging infrastructure and a 2025 Airside **Ultra Low Emission Zone**.
- Achieving **Net Zero Buildings and Infrastructure**
- **Surface Access:** Promoting colleague access by public transport.
- Setting net zero requirements in our **Supply Chain**