

**BREAKOUT SESSION:**

# **Accelerating decarbonization at the nexus of energy, mobility and buildings**

**TRANSPORT  
& MOBILITY  
PATHWAY**

**ACTION:** Switching to electric vehicles and heating combined with an integrated technology approach for increased operational efficiency are key levers to reduce the 60% of global carbon emissions coming from transport and buildings.

## **SESSION OVERVIEW**

This session helped participants identify how their company can accelerate decarbonization at the nexus of mobility, energy and the built environment while improving energy efficiency and helping to provide equitable access to electricity and mobility.

In a moderated conversation, panelists outlined which critical collaborative actions could help the three value chains to work together. Following the panel, members shared their input in roundtable discussions on key challenges and the tools and measures needed to unlock the economic and climate benefits of an integrated technology approach. The participants highlighted key questions they wish to address within a new nexus project.

## **KEY TAKEAWAYS**

- Electrification (vehicles and heating) combined with an integrated technology approach for increased operational efficiency are key levers to reduce 60% carbon emissions coming from transport and buildings.
- Increased electricity demand requires demand and supply-side investment in technologies and integrated solutions for flexible energy management.
- Connection across systems and new service creation is key for an improved business case. For example, integrated and active management of photovoltaics, storage and charging can improve the return on infrastructure investment by 68%.
- In capturing this opportunity, companies are challenged by systems complexity, business case unclarity, regional differences, internal organization and capacity.

***"The profits from oil and gas, one of the largest markets, are shifting towards electrification. Companies who only look at the cost efficiency perspective of decarbonization technologies and fail to innovate on new services will fail to capture the value that will be distributed along the value chains."***

## **GET IN TOUCH**

To learn more about the Transport & Mobility Pathway, please contact: [Urška Skrt](#), Manager, Mobility, WBCSD