



INTERNATIONAL CONFERENCE ON
**INFRASTRUCTURE DEVELOPMENT
& SUSTAINABILITY (ICIDS)**



adani
University

Fireside chat

The Road to Net-Zero: Integrating Clean Energy into Tomorrow's Infrastructure

Brief

Achieving net-zero emissions represents one of the most transformative challenges and opportunities for global infrastructure. As nations commit to decarbonization, the focus must shift from isolated clean energy projects to a systemic integration of clean energy across all infrastructure sectors—energy, transport, logistics, buildings, and industry.

This panel will explore how strategic policy alignment, financing innovation, technology adoption, and collaborative governance can drive the transition toward low-carbon, resilient, and inclusive infrastructure systems. The discussion will emphasize the pathways through which India and the world can accelerate their net-zero ambitions while sustaining economic growth, energy equity, and social progress.

Key Discussion Points

How can national and regional infrastructure policies be reoriented to fast-track net-zero goals while ensuring economic inclusivity and growth?

What strategies can effectively integrate clean energy into legacy infrastructure sectors such as roads, rail, ports, and logistics?

How can innovative financing mechanisms—green bonds, blended finance, and carbon markets—mobilize large-scale capital for clean infrastructure transformation?

In what ways can digitalization, AI, IoT, and smart grids enhance energy efficiency and enable real-time monitoring of infrastructure sustainability?

What leadership, governance, and cross-sector collaboration models are essential to steer systemic transformation toward net-zero?

How can the Just Transition framework ensure that the move toward clean energy remains socially equitable and economically balanced?