

Host Utilities



Co - Host Utilities



ORGANIZER



India SMART UTILITY Week 2024

Supporting Ministries



Session 2 : EMERGING TECHNOLOGIES FOR UTILITIES

ITES & Net Zero Energy future

Presented By

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How international collaborations can enable Utilities to

1. Leverage technologies and be future ready
2. Accelerate the path to energy sufficiency
3. Create a roadmap to net zero

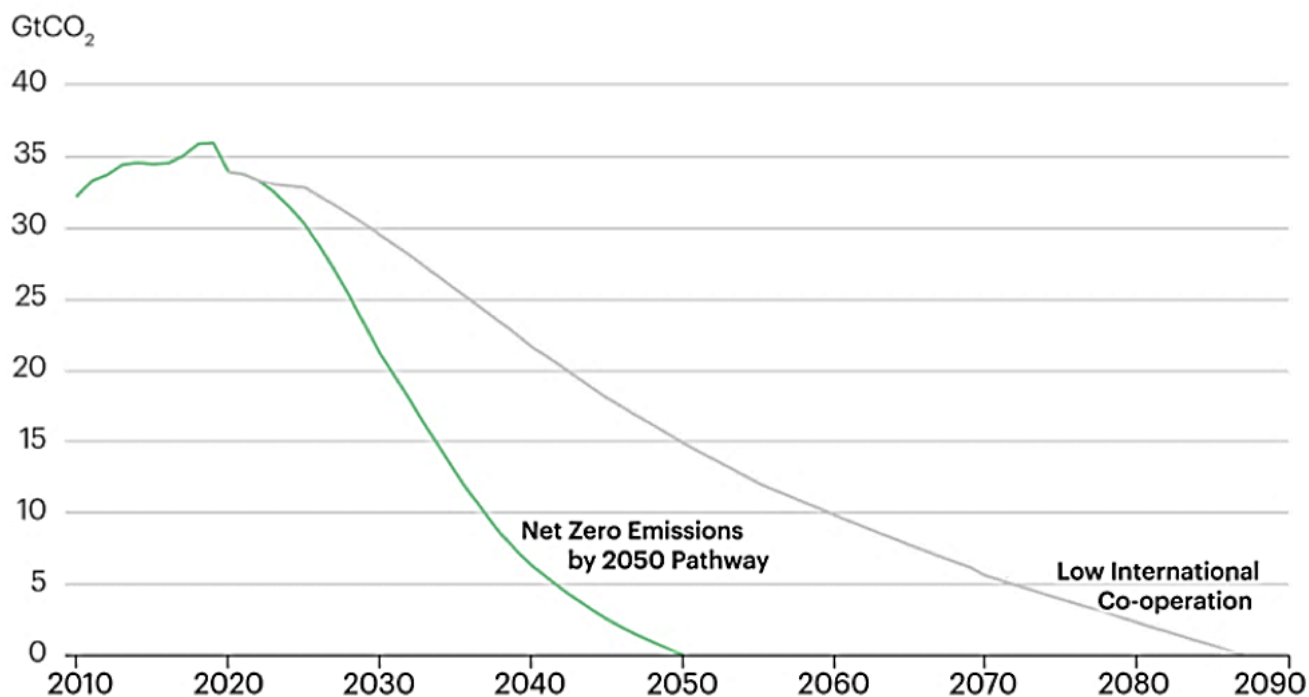


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Part of the **UK-India** Net Zero
Innovation Virtual Centre

The Net Zero pathway relies on unprecedented international collaboration, especially on innovation and investment

This is not simply a matter of governments and companies seeking to bring their emissions to Net Zero – it means tackling global challenges through co-ordinated actions

Global energy-related CO₂ emissions in the net zero pathway and Low International Co-operation Case



Note: Gt = billion tonnes.



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- ITES is a part of the UK-India Net Zero Innovation Virtual Centre to promote innovation between the two countries under the landmark agreement signed between the two countries
- Energy Systems Catapult (ESC) supports Mission Innovation and plays part of the secretariat function.
- ITES helps Innovators and industry stakeholders who struggle to find the best solution from a systems perspective and help ease the barriers to innovation



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CHARGE POINT OPTIMISATION MODEL



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- Electric charge point optimisation modelling project with Energy Systems Catapult, Indian Institute of Science & Bengaluru Electric Supply Company
- ITES can support research focused or innovator pilots / demonstrations like this for industry and government stakeholders

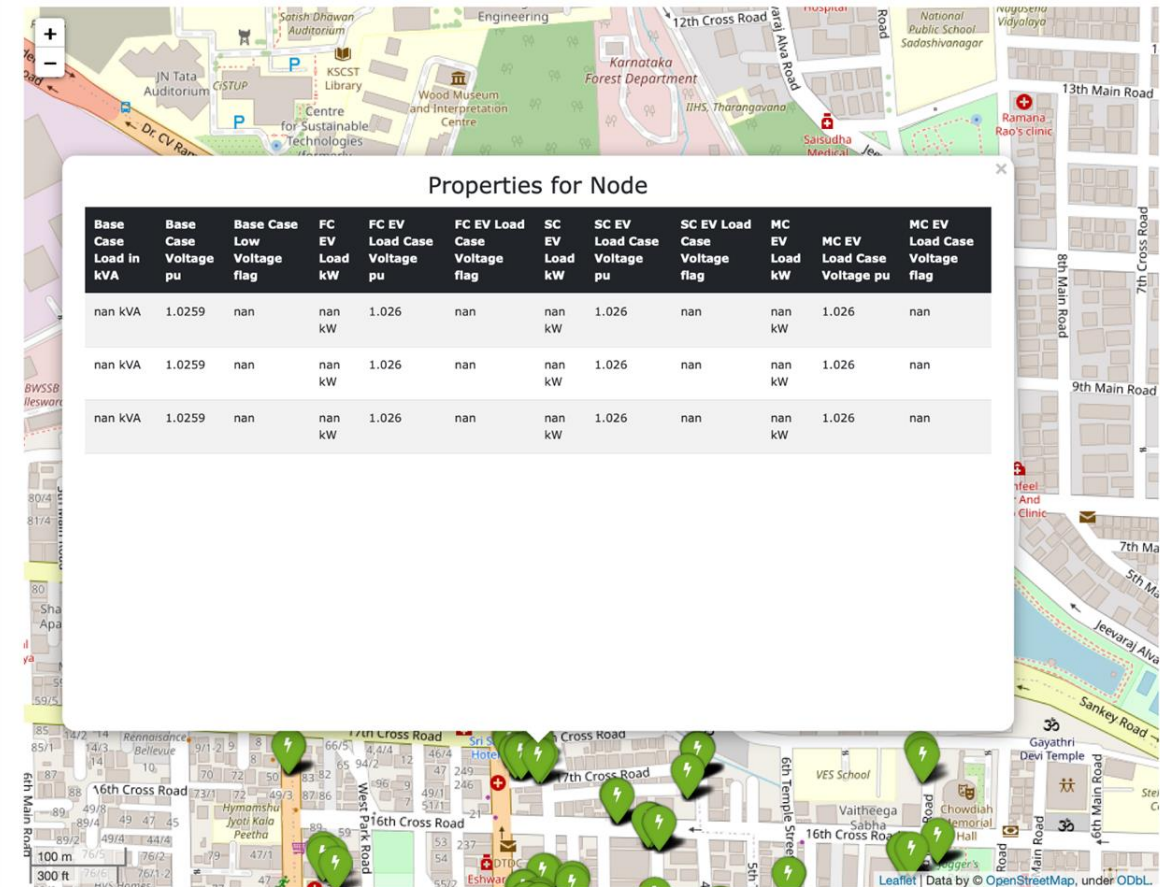


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Feeders

Transformers

Charging points



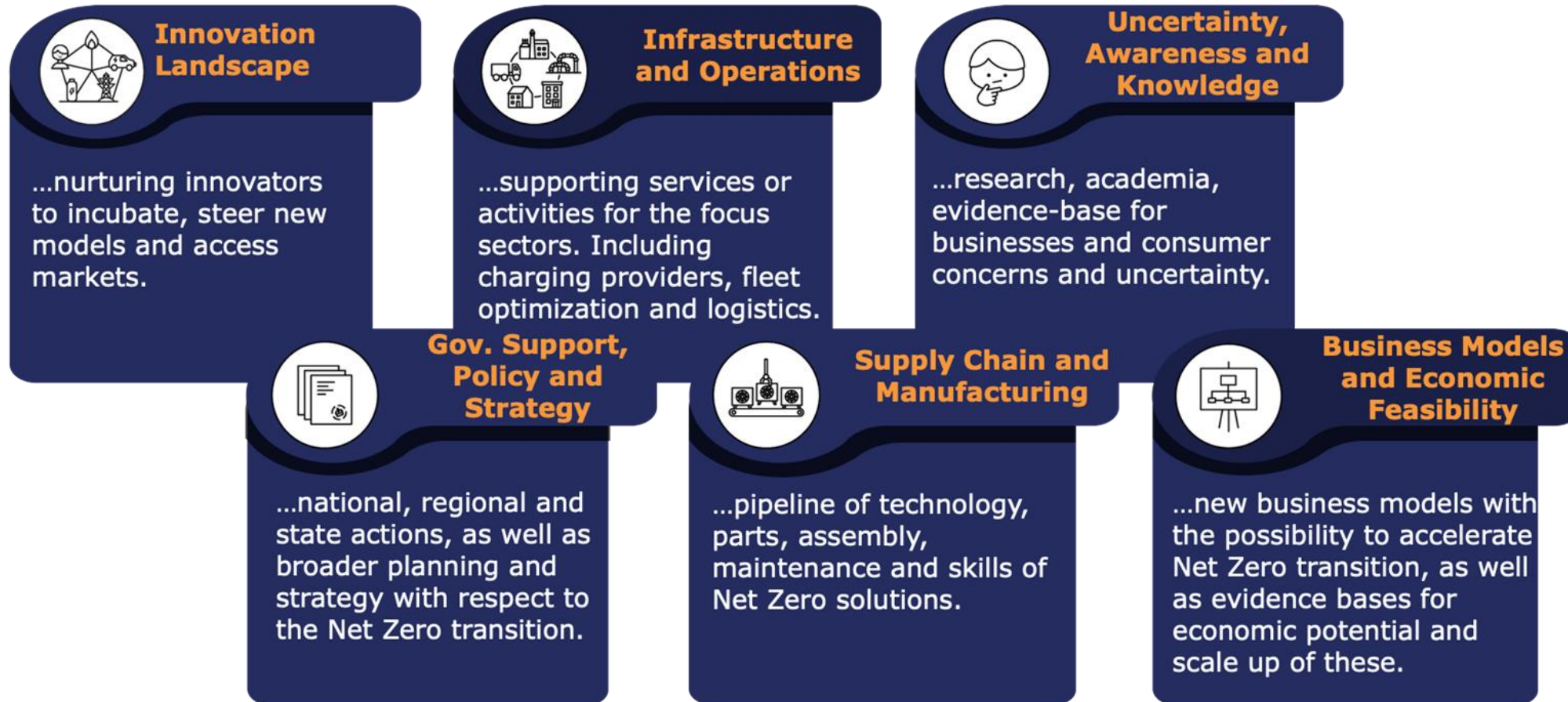
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ITES SOLVES THESE CHALLENGES FOR INNOVATORS



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Access to innovators

ESC and IISc each have a wide international network of quality innovators that can, and will, contribute to projects. Their focus **includes alternative energy sources, battery management, battery recycling, charging solutions, grid stability & energy storage** among others.

Thought & sector leadership

Be recognised as a thought leader and catalyst for change in transport and energy decarbonisation. **Support of an ITES project is an impactful demonstration of a commitment to sustainability.**

Market development

The ITES network will **help navigate local partnerships, manage complex projects, engage stakeholders and support market entry** for new business models and technologies.

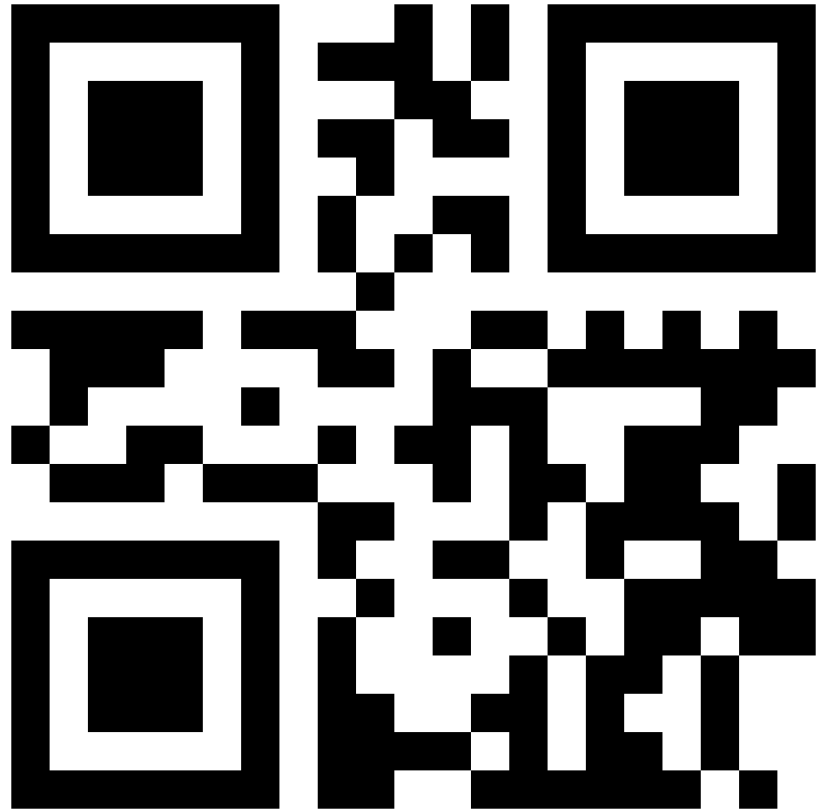
Partnerships & networking

Partners can effectively forge **cross-sectoral relationships and build partnerships** that extend beyond the initiative. Significant opportunities for JVs, knowledge exchange, demonstration and business growth.

ES

ESK-India Net Zero

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THANK YOU

*For discussions/suggestions/queries email: **isuw@isuw.in***

visit: www.isuw.in

Links/References (If any)