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UNIDO's Mandate

Providing Integrated Clean Energy Technology Solutions for Enhancing Productive Capacities of Enterprises: Promoting Green Industry

- Industrial Energy Efficiency
- Renewable Energy for Productive Uses
- Low Carbon Technologies

FOCUS on Technology Innovations, Diffusion and Absorption









UNIDO's Focus on Clean Technologies in SMEs

Technology Needs Assessment

Technology Benchmarking

Technology Transfer Pilot Projects

 Dissemination of Best Practices for Scaling up Impact



Clean Technology Innovations - A Snapshot

Country	Counterpart	Absorption Capacity	Current level of clean technology development	UNIDO's Comparative Advantage
India	Ministry of Micro, Small and Medium Enterprises; FICCI	High	Medium	Local presence and on-going projects
Malaysia	MIGHT; MOSTI; MOHE; MNRE; Green Tech Malaysia	High	Medium	Local presence and on-going projects
Armenia	Ministry of Nature Protection; Ministry of Energy and Natural Resources	Medium- High	Low-Medium	Local presence and on-going projects



Clean technology innovations: Construction and Transportation

Construction: Green building technologies focus on reducing the environmental impact of building construction or operation.

- Improved design or construction practices and standards
- New or innovative use of building materials
- New hardware or software applications for planning

Transportation:: Clean technologies focus amongst others on transportation and mobile technology applications.

- Improve fuel efficiency
- Reduce air pollution
- Reduce oil consumption
- Reduce vehicle travel
- Promote ISO Standards

UNIDO's Experience in Hydrogen Energy Technologies



Fuel cell forklifts



Bozcaada Island community powering



Fuel cell testing lab



The Ecocaravan



3-wheeled fleet in New-Delhi



Combined heat and power unit



Supports

Demonstrates

Promotes



Hydrogen boats



Uninterruptible power supply



Clean Technology Innovations for Resource Efficiency and Pollution Reduction: Air, Water and Waste

Technologies focusing on improving resource availability, conservation and pollution control

- AIR: Services, instruments and equipment related to emission control, treatment or reduction technologies, creative approaches to greenhouse gas reduction, including carbon conversion and sequestration.
- WATER: Treatment, storage and monitoring, recycling, pollution reduction and conservation technologies.
- WASTE: Cradle-to-cradle approaches promoting technologies for waste reduction, reuse and recycling, as well as innovative business models and approaches to efficient materials usage and reduction in toxic contamination.

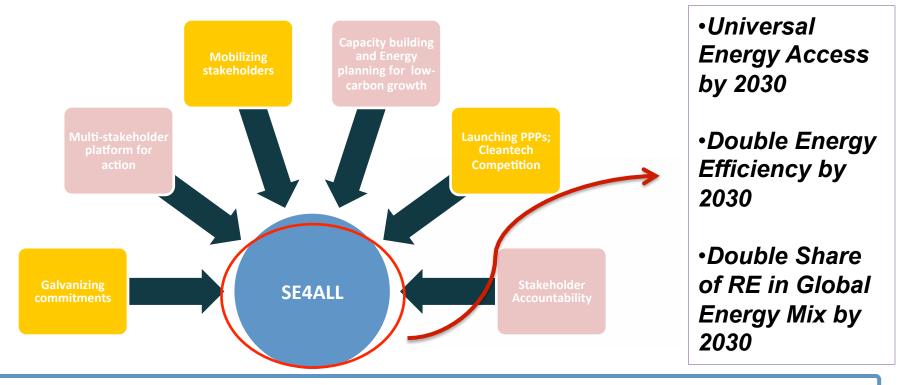
Technological Innovations examples:

- *Advanced filtration without membranes
- *Storm-water and flood control, rainwater harvesting
- *Reduction and remediation of VOCs
- *Bio-based packaging solutions
- *Carbon capture and storage



SE4ALL: A Vision for 2030

A global initiative for accelerating progress for energy access, while improving energy efficiency and scaling up renewable energy



Among others, highlighting significance of clean energy technologies innovations at the RIO+20





Thank you

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