

# Asia Low Carbon Buildings Transition



## 5 Asian Countries Develop & Implement a *LCBT*

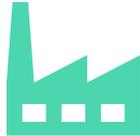
Cambodia, India, Indonesia, Thailand, Vietnam recognize and integrate the Low Carbon Building Tool (LCBT) with their ongoing Building Energy Efficiency program through Policy, Demonstration & Capacity Building

**Kick-Off in September 2023 (at regional level)**

### Project Beneficiaries



Central & State Govt



Building Industry



Financial & Services Institution



Universities & Academia

## Broad Project Outcomes

- 1 Institutionalize Low Carbon Performance Metric
- 2 Enhance Industry Capacity on Low-Carbon Assessment
- 3 Financing of Low-Carbon Buildings through ESCOs
- 4 Replication and Scale-Up

5 years  
(2023-2028)



EUR 17.98  
million



2.67 million TCO<sub>2</sub>eq  
Avoided

19,000 people  
Enhanced their skill

EUR 140 million  
Investment mobilized

# Partners & their Roles

## Consortium Lead



## Government partner



## Funding Partner



GGGI's Consortium Partners	Broad Role	Country (ies)
	<ul style="list-style-type: none"> <li>Develop <b>Technical Learning Tools</b> to promote Low Carbon Buildings (LCBs)</li> <li>Facilitate development and use of Energy Performance Contract (EPC) and On-Bill Financing Model to promote LC Building by SME players in Building Sector</li> <li><b>Knowledge sharing &amp; capacity enhancement</b> on sustainable building across ASEAN member countries</li> </ul>	<b>All 5 Countries</b>
	<ul style="list-style-type: none"> <li><b>Develop methodology and Tool</b> for whole building Lifecycle GHG Assessment calculations, establish GHG baseline</li> <li><b>Training</b> on building MRV Tools, LCBs &amp; sustainable cooling, building taxonomy, and policy Integration (NDC, LEDS)</li> <li><b>Training of Trainers</b> on LC Building Tools</li> </ul>	<b>All 5 Countries</b>
	<ul style="list-style-type: none"> <li><b>Implementation LCBs</b> through ESCO Model</li> <li><b>Capacity Building &amp; Training</b></li> <li><b>Pilot demonstration</b> on sustainable AC system in <b>100 buildings</b> in <b>India (60)</b> and in <b>2 countries (40)</b> to demonstrate Demand Aggregation and Bulk Procurement</li> </ul>	<b>India</b> and 2 other Countries (to be decided during project period)

# Results Framework

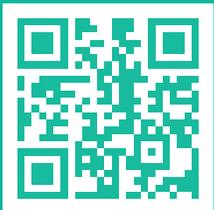


<b>Impact (s)</b> Nationwide transition towards low carbon buildings in Asian countries, substantially reducing GHG emissions from the sector.			
<b>Outcome (s)</b> Technical, planning, and institutional tools for low carbon buildings have been successfully implemented by key public and private sector stakeholders in Cambodia, India, Indonesia, Thailand, and Vietnam by 2028, resulting in direct emissions reduction. Tools and technical capacities for low carbon buildings mainstreamed in public and private institutions.			
<b>Ind. 0.1</b> Number and description of private and public sector entities in project countries that incorporated ALCBT project tools and training programs to mainstream low carbon buildings by Q2/2028.		<b>Ind. 0.2</b> Number and description of policy recommendations for enhancing energy efficiency and promoting low carbon buildings that have been adopted by partner governments, including NDC enhancement by Q2/2028.	
<b>Ind. 0.3</b> Amount of financing mobilized for low carbon building projects through the use of taxonomy, MRV or (super) ESCO pilots by Q2/2028.		<b>Ind. 0.4</b> Amount of GHG emissions reduced directly or indirectly by various measures of ALCBT through use of low-carbon materials and analytical tools by professionals of building industry by Q2/2028	
<b>Output I:</b> <b>Technical and Institutional Tools</b> Standardized tools and systems for managing carbon emissions from building sector developed and piloted.	<b>Output II:</b> <b>Technical Capacity</b> Key industry stakeholders in project countries have enhanced capacity to deliver low carbon buildings.	<b>Output III:</b> <b>Financing</b> Financial pathways established to facilitate financing for occupants, owners, and developers of low carbon buildings.	<b>Output IV:</b> <b>Replication and Scale-up</b> Project knowledge documented and shared to facilitate replication and scaling up.

Thank You



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