



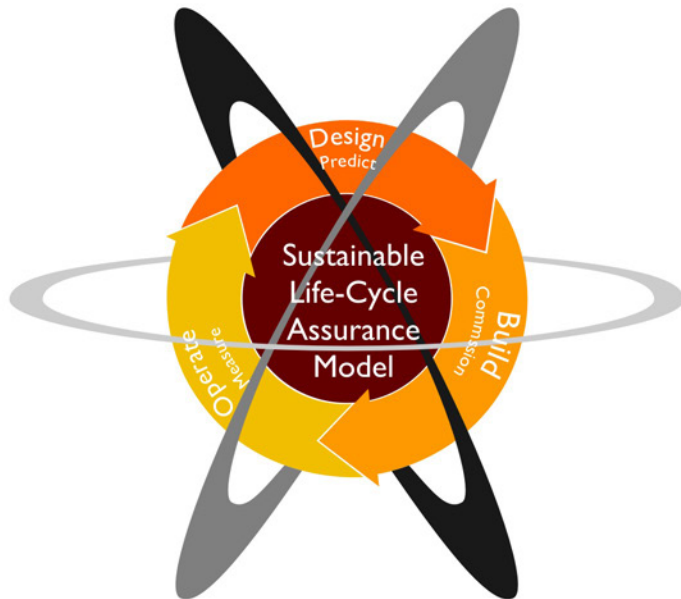
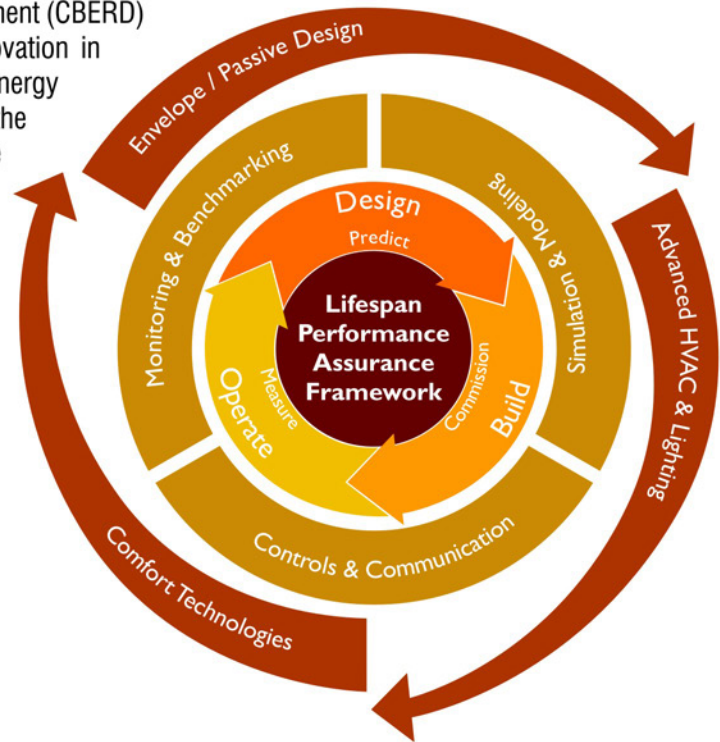
US-Indo Centre for Building Energy Research and Development



The U.S.-India Joint Center for Building Energy Research and Development (CBERD) will conduct collaborative research and promote clean energy innovation in energy efficiency with measurable results and significant reduction in energy use in both nations. CBERD, the LBNL-CEPT Consortia's name for the DOE/GOI JCERDC for Building Energy Efficiency, will focus on the integration of information technology with building controls and physical systems for commercial/high-rise residential units.

The R&D tasks are intended for technology Acceleration & include:

1. Simulation;
2. Monitoring;
3. Controls;
4. Envelope/passive design (insulation, cool roofs);
5. Advanced technologies (HVAC, lighting);
6. Thermal comfort;
7. Grid responsiveness,
8. Renewable integration; and
9. Scientific collaboration.



This outcome-based R&D will result in significant energy savings by driving development of cost-effective technologies and their implementation across buildings.

“ Together we advance collaborative research and innovation in clean energy technologies resulting in measurable and significant reduction in buildings energy use in both countries ”



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Methods to Be Employed:

1. We have selected R&D that addresses the key barriers to low energy buildings that provides synergy and leverages efforts in both nations;
2. We have developed a team consisting of each nation's premiere experts.
3. We have developed organizational, collaboration, and management structures that will ensure R&D success.

Benefits and Outcomes of the Research:

Enhanced ties between U.S. and Indiabuilding energy researchers and industry; integrated, proven, marketable building technologies; a public-private collaboration to identify deployment pathways; leveraged research funding; improved capabilities for both nations to leapfrog development of building technologies and markets.

R&D Organizations:



Industry Partners:



indian society of lighting engineers



Applying Thought



Innovation in Daylighting & Shades

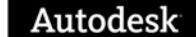


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