

World Business Council for Sustainable Development contribution to the Cities action area under the Technical Examination Process at ADP 2.8

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The WBCSD's Sustainable Cities program

1) Zero Emissions Cities (ZEC)

Phase one: 2015

The ZEC project will help catalyze global action to **create low-carbon cities** by working with municipal authorities and other key stakeholders to **develop roadmaps** to transform city energy systems towards zero emissions and then (where possible) partnering with these cities to drive implementation.

The goal of this business solution is to develop zero emissions roadmaps for up to **20 cities by 2020**. In the first phase, 2015, **the project will engage with 2 types of cities with existing ambitious emissions reduction goals and 1 city in a fast growing emerging market (India, China, Brazil)**.

Major **efficiency improvements in key sectors (building, mobility, industry)**, electrification with renewable energy, utilizing smart management systems to manage supply and demand as well as behaviour change by urban energy users will be key drivers.

It will offer cities a highly-attractive opportunity to **work with a multi-sector group** of leading private sector solution providers with expertise in this domain to provide business perspectives and insights to the most critical choices faced by city decision-makers, across administrative departments.

The project will demonstrate that transformation is possible and provide clear **best practice examples** for others to follow. **A toolkit** will be developed to allow more cities to leverage the project outcomes, allowing **replicability and scalability**. Will look at innovative financing and delivery models.

Companies engaged: Arcadis, BT, DNV, Toshiba, UPS, PwC, Schneider Electric

The Urban Infrastructure Project – 2010 and 2014

The **ZEC project** builds **on the success of the Urban Infrastructure Initiative (UII)**. The UII is a multi-sector collaboration between 14 leading global companies¹ that worked with 10 cities² around the world and proved the value of engaging with business **early in the planning and strategy development process of a city's sustainability vision**.

UII final report was released in April 2014. Can be downloaded [here](#) on the WBCSD website. This includes a user-friendly infographic on the UII.

Partnership

Working on a city-business collaboration best practices with ICLEI to be released in April 2015. WBCSD/ICLEI MoU signed in summer 2014 to be strategic partners.

ZEC will seek **synergies with the two other urban-focused WBCSD projects, Energy Efficiency in Buildings and Sustainable Mobility Project**.

¹ 14 UII companies: Cemex (Co-Chair), GDF SUEZ (Co-Chair) Siemens (Co-Chair), Acciona, AECOM, AGC, EDF, Honda, Nissan, Philips, Schneider Electric, TNT Express, Toyota and United Technologies

² The 10 UII cities were: Turku (Finland); Tilburg (The Netherlands); Ahmedabad, Rajkot, Surat and Vadodara in Gujarat State (India); Yixing (China); Kobe (Japan); Guadalajara (Mexico); and Philadelphia (USA).

2) Sustainable Mobility Project

This project is entering the last year of a three year effort with 15 participating companies.

The project has developed tools (Indicators, mobility clusters, solutions toolbox) and processes to promote the uptake of sustainable mobility. It is working with six cities (Bangkok, Campinas, Chengdu, Hamburg, Indore and Lisbon) to demonstrate the impact these tools and the process can have in a city context. One demonstration project is being conducted in Bangkok to get practical implementation experience.

3) Energy Efficiency in Buildings (EEB 2.0) project

The [Energy Efficiency in Buildings project](#) (EEB 2.0) aims to transform the market for energy efficiency in buildings by unlocking financially viable investments that today are not realized due to existing market barriers (these are mostly non-technical barriers, i.e. financial, regulatory, organizational).

The project does this by bringing together the stakeholders of the full building value chain in a metropolitan market to identify the market barriers and develop a locally driven action plan to overcome these barriers. This approach is called an EEB Laboratory. An example of a successful EEB Laboratory and follow up action plan can be found in the report "[EEB Laboratory Poland – Collaborative action towards increased energy security for Poland](#)".

WBCSD is developing action plans to address the primary market barriers in 8 metropolitan markets around the world: Warsaw, Houston, Rio de Janeiro, Bangalore and Jaipur/India, Singapore and Indonesia/ Malaysia, Belgium/ Netherlands).

Companies engaged: Lafarge (co-chair), United Technologies (co-chair), AGC, AkzoNobel, ARCADIS, ArcelorMittal, GDF SUEZ, Infosys, Schneider Electric, SGS, Siemens, Skanska.

Project Partners: International Energy Agency (IEA), Urban Land Institute (ULI), World Green Building Council (WGBC) and the WBCSD's Global Network partners. We also work closely with UNEP, notably UNEP FI and UNEP SBCI.

WBCSD also calls on organizations to take ambitious steps to reduce the energy consumption of their buildings through its [Manifesto on Energy Efficiency in Buildings](#) (EEB Manifesto). To complement the EEB Manifesto, WBCSD published in 2014 version 1 of the [Toolkit for Corporate buildings](#) which helps organizations plan and initiate EEB investments. This toolkit is being turned into an online tool and will be populated with case studies from companies.

4) Low Carbon Technology Partnerships Initiative (LCTPi)

In 2015, as part of the Lima-Paris Action Agenda, WBCSD will work with the International Energy Agency and the Sustainable Development Solutions Network to deliver the [Low-carbon Technology Partnerships initiative](#) (LCTPi) and a series of business government climate dialogues.

The LCTPi is a joint public and private initiative to accelerate low-carbon technology development, scale up their deployment, and enable the implementation of business solutions. LCTPi work will extend beyond 2015.

Under LCTPi, the EEB 2.0 project is working with partners to replicate and scale the idea of EEB Laboratories across the world. An online platform and a toolkit will be elaborated to support this.