

Energy Efficiency in Buildings

Cities solutions for energy efficiency
in rapidly urbanizing and
climate resilient world

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Energy Efficiency in Buildings project (EEB2.0)

Unlock **financially viable energy efficiency investments** that today are not being realized because of mostly non-technical

Co-Chairs:



Core Group:

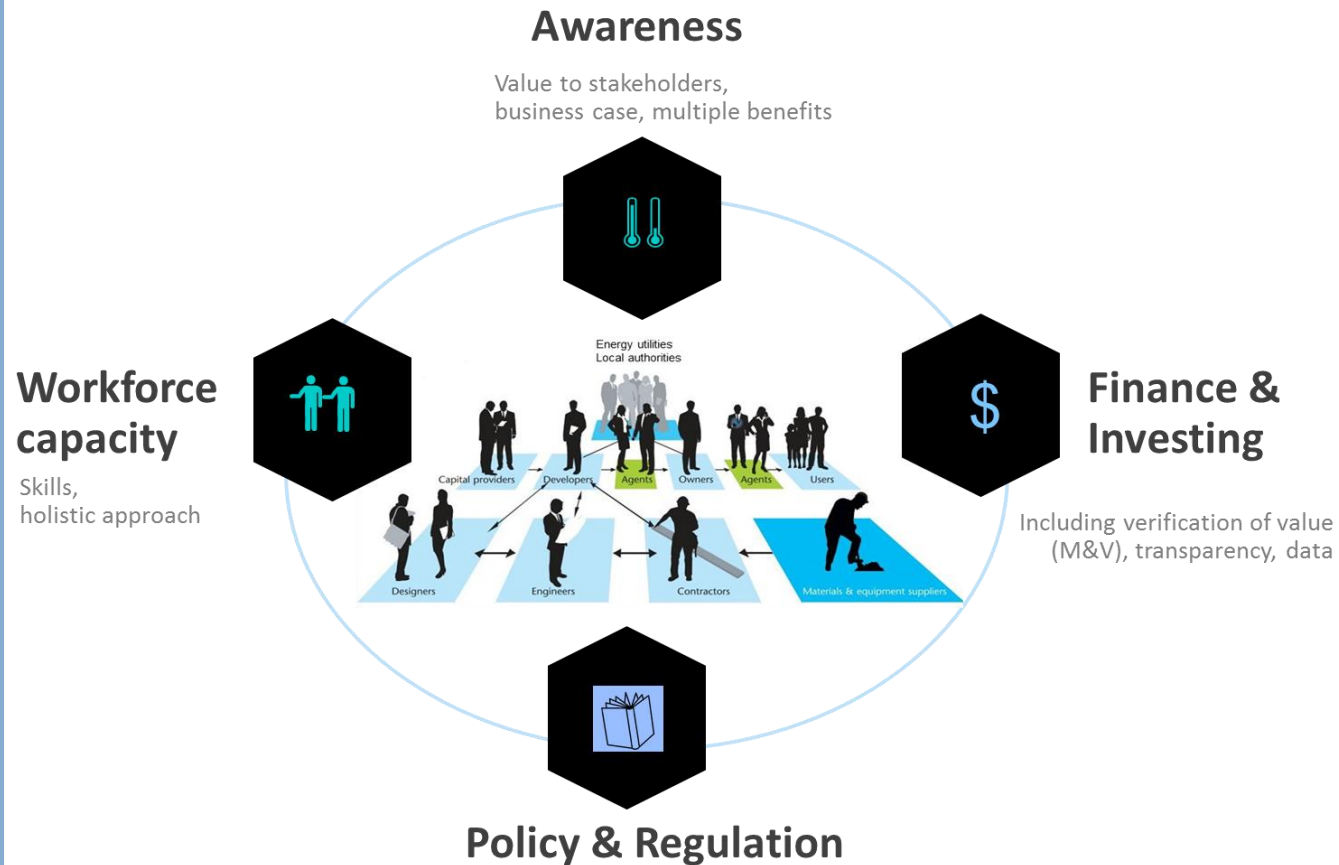


Partners:



9 action plans...to address non-technical barriers

- Houston/US
- Warsaw/Poland
- Rio de Janeiro/Brazil
- Bangalore & Jaipur/India
- Belgium/The Netherlands
- Singapore
- Jakarta/Indonesia
- Kuala Lumpur/Malaysia
- China



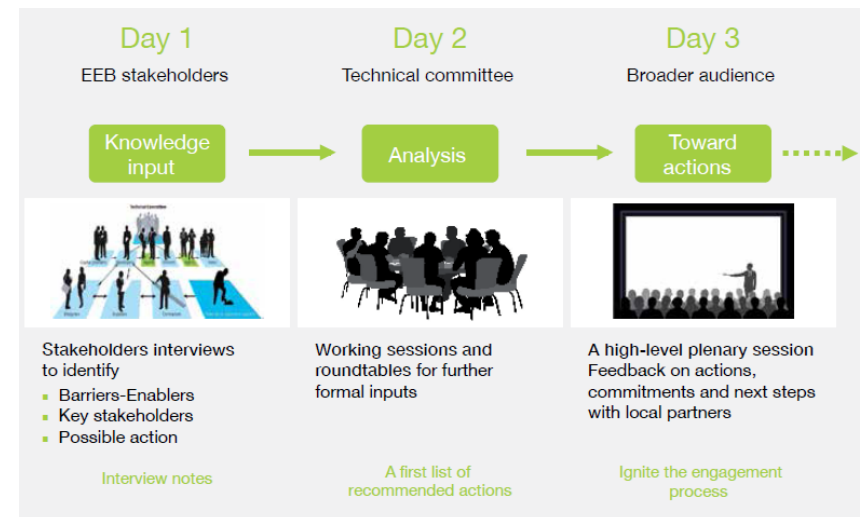
Solution in cities – example of Houston

EEB lab resulted in the set up of 4 actions committees:

1. **Finance** (bring PACE to the Houston market; ICP)
2. **Operations** (develop capacity of building operators)
3. **Policy** (advise on policies around benchmarking, building audits and operator training)
4. **Communications** (develop a communication platform)

EEB Laboratory **Houston**

Accelerating investment
in Houston's energy-
efficient buildings



A Call to Action

ABB
Acciona

Borusan Holding C.A.
Bridgestone

Cathay Pacific
CEMEX
Chubu Electric Power
Chunghwa Telecom
Cimentos Liz

MTR
Nissan
Novartis
Novozymes
Philips
Public Power Corporation
RATP
Rideau Recognition Solutions

wbcSD buildings

MANIFESTO FOR ENERGY EFFICIENCY IN BUILDINGS

Buildings consume approximately 40% of all energy produced globally – more than transport or industry. Energy used in buildings is a major contribution to climate change, hence it must be addressed.

Business, public authorities, professional bodies and environmental organizations must share the task of supporting and driving the transformation of the building market towards radically lower energy use in buildings.

Leadership in energy efficiency in buildings represents opportunities to reduce resource use, improve workplace productivity, and minimize impacts on the environment, all of which contribute to healthier, more sustainable cities.

These collective efforts can set new sustainability standards for buildings that will incentivize investment in energy efficient buildings and will result in significant reductions in worldwide energy use and corresponding carbon emissions.

This Manifesto and its accompanying implementation guide aim to mobilize business, governments and local authorities to improve the energy performance of their buildings as outlined in the *Energy Efficiency in Buildings; Transforming the Market* report.

By signing this Manifesto, the organization commits to:

1. Establishing a baseline of energy use in the buildings it controls and set time-based energy and/or CO₂ reduction targets that will help to achieve transformative change.
2. Publish a policy for minimum energy performance levels in its buildings.
3. Define and carry out an audit program and implementation strategy to meet energy targets for its buildings
4. Publish annually buildings' energy use, CO₂ emissions and progress against reduction targets, in the annual report or publicly available document
5. Further promote building energy efficiency among employees and other stakeholders, through advocacy, R&D, education and training.

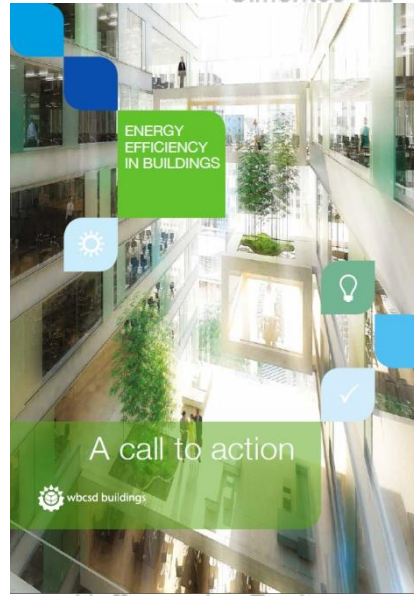
We the undersigned, hereby pledge to the intentions outlined above.

Signature: _____ Date: _____

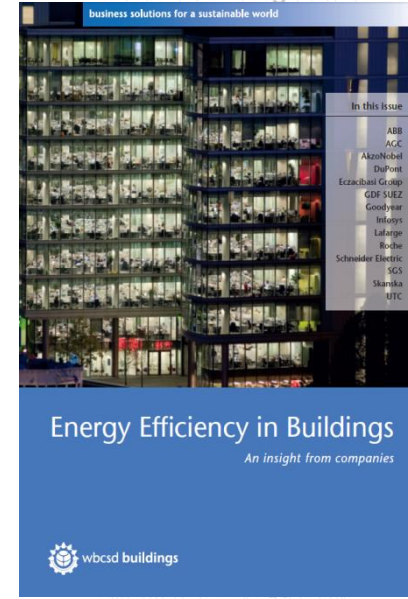
Organization: _____

BNP Paribas

Fook Tin Group
GDF SUEZ
Gammon Construction
GHD Pty Ltd
Goodyear



Hoffmann-La Roche
Hong Kong Airport Authority
Hongkong Electric
Hongkong International
Terminals
Hang Lung
Infosys
Italcementi
ITT
Kansai
LAFARGE
La Poste
Masisa
Mets



Swire Properties
Swire Pacific
Telecom Italia
TEPCO
The Link Management LTD
The Yokohama Rubber Company
TNT
Toyo Tire & Rubber

+ Toolkit to plan and initiate financially viable EEB investments (web tool – Dec.2015)

140+ signatories

By 2030, 50% of projected energy use in buildings can be avoided by action on energy efficiency in buildings

Low Carbon Technology Partnership initiative ⁺



LCTPi on EEB

Knowledge
to break the barriers

+

Convening Power
to act locally

=

Scale up
to deliver the ambition

Thank you!