

Why are Green Skills Important for the Future?

A private sector perspective for Energy Efficiency and Skilled Workers

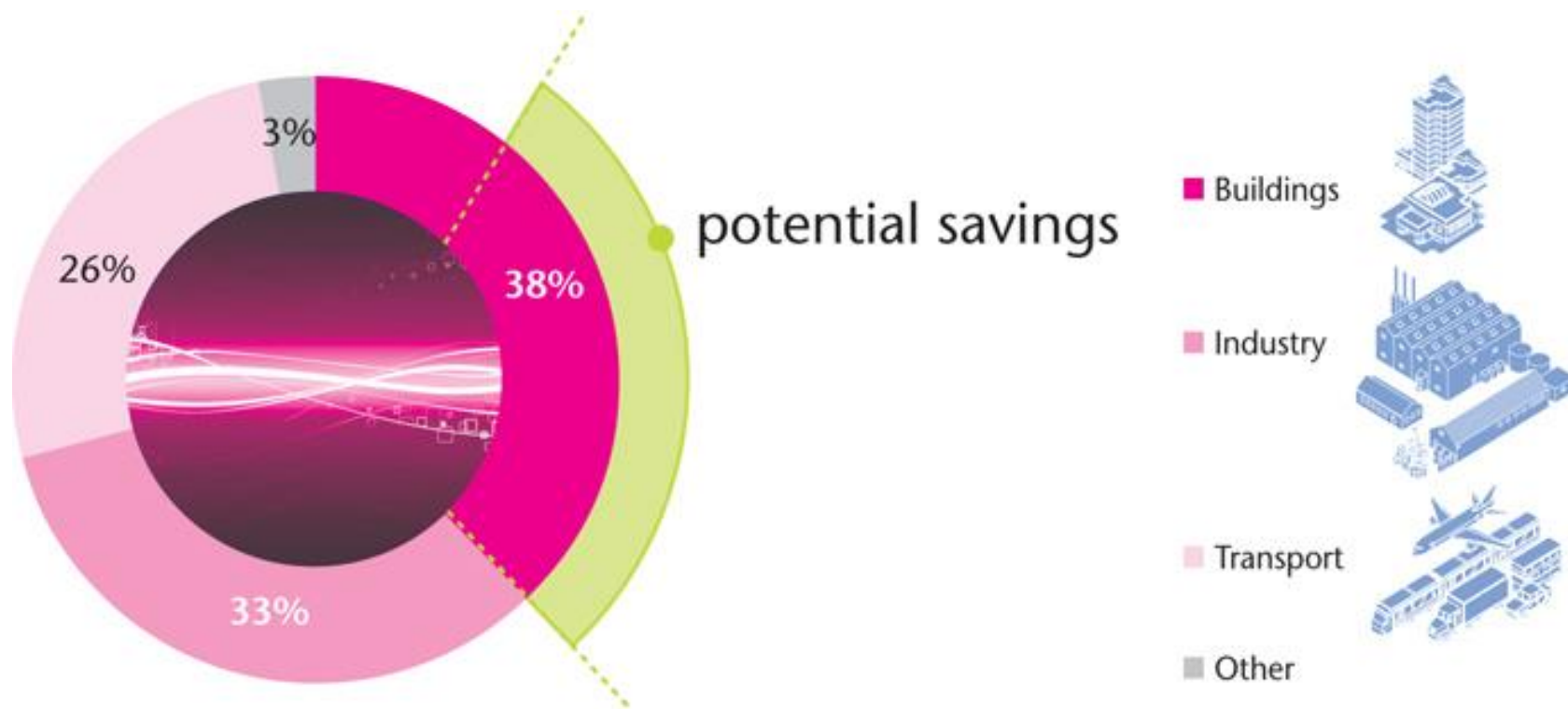
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Business Council for Sustainable
Development Singapore

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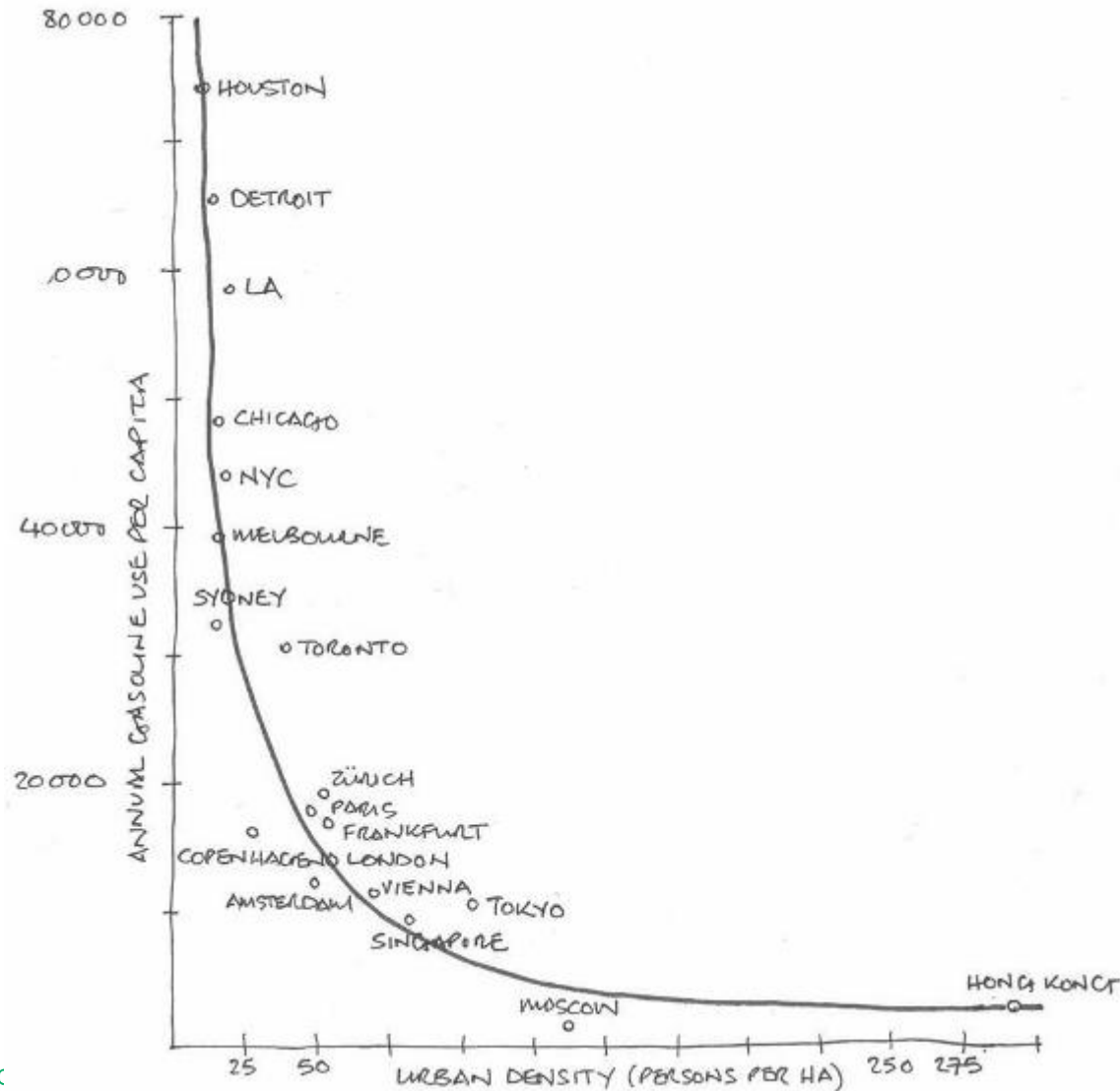
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Worldwide Final Energy Consumption



Source: World Business Council for Sustainable Development (WBCSD), *Energy Efficiency in Buildings: Transforming the Market*, 2009.

High urban density leads to less transport-related petrol per capita



A green building with all the right features...



... can lead to the most unsustainable development

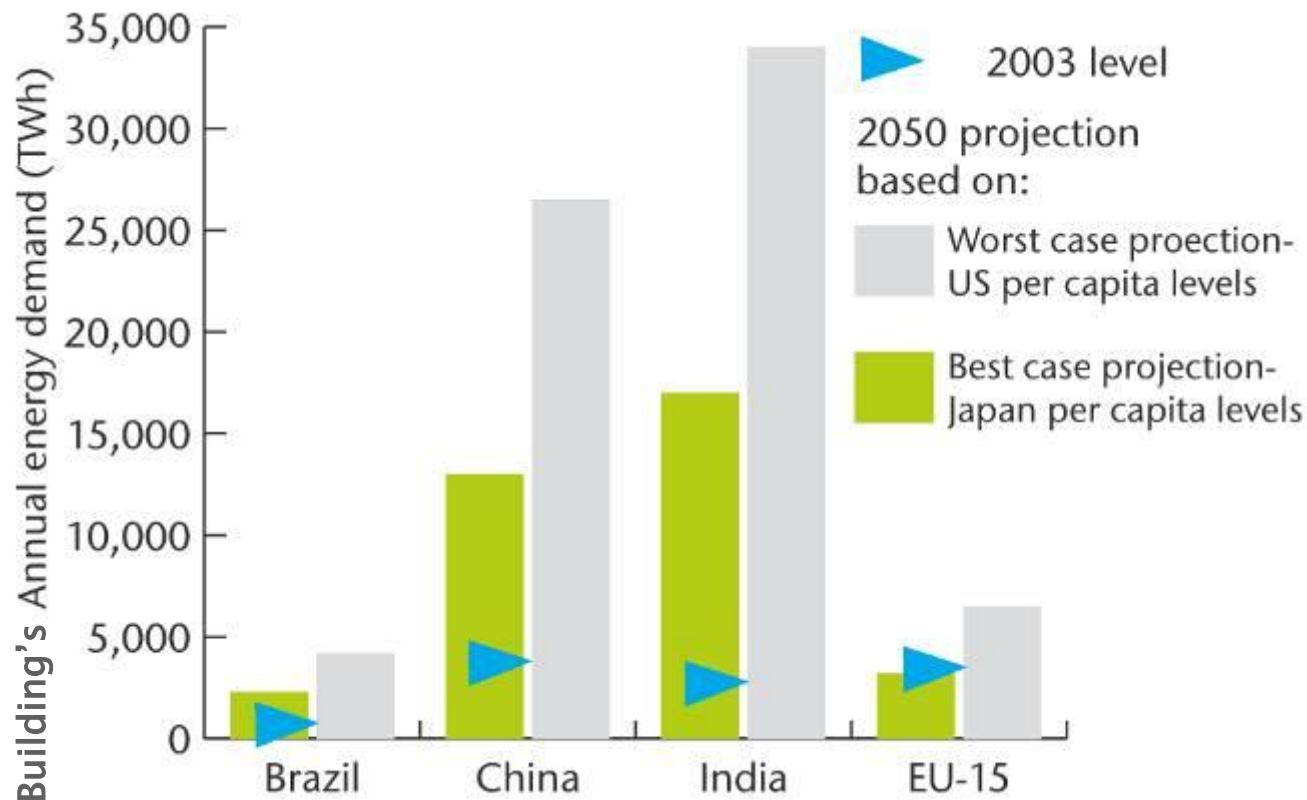


Energy consumption in buildings is a time bomb if nothing is done now



Buildings: the largest driver for energy demand sector in developing Asia and Pacific

Rising living standard has an exponential effect



Multitude of actors in the construction value chain

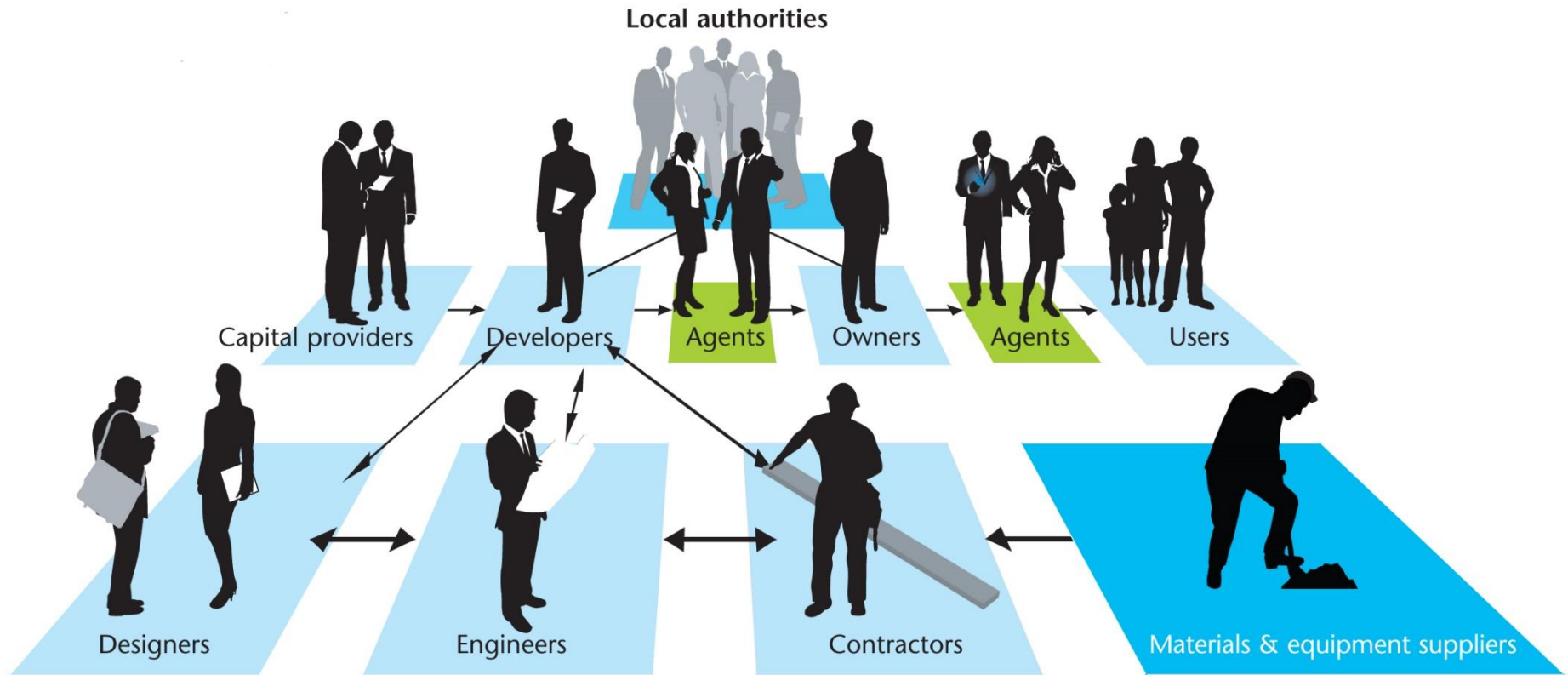
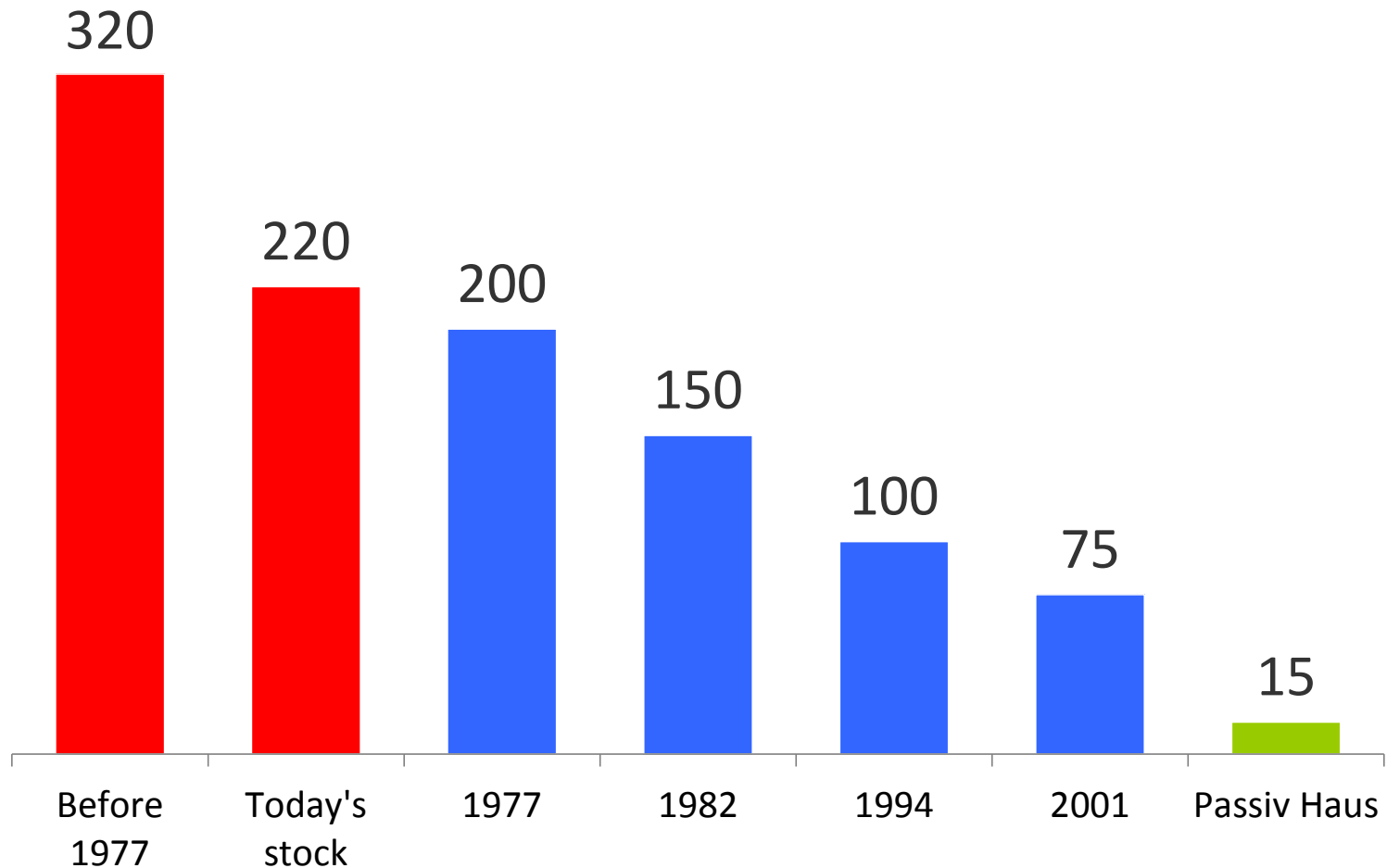


Figure 8: The complex value chain

Mandatory building energy codes is a must

Evolution of Germany's building energy codes

For space heating in [kWh/m²/year]



Need for skills development programs across the value chain

Property developer

Design team

Project Managers

Contractors


Suppliers

Installers

Facility Managers

Occupiers





**ECO design
or
EGO design?**



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