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宏觀、創新 與眾不同

BCSD-Taiwan



From CDP to Low Carbon Innovation 從CDP回覆邁向低碳創新

黃正忠 Niven Huang, Secretary General, BCSD-Taiwan

2008/10/20 2008 CDP Report Launch Event

CDP is not ISO!

Risks & Opportunities



Key *for* license to operate in tomorrow's market
value of long term investment



The leading global companies of 2020 will be those that provide goods and services and reach new customers in ways that help to address the world's major challenges – including poverty, climate change, resource depletion, globalization and demographic shifts. This is not just about social responsibility, but about developing a core business operation that can thrive in a different global economic environment.

Sam DiPiazza
Global CEO, PricewaterhouseCoopers
Chairman of WBCSD

我們的產品與服務是否有助
因應全球永續發展的挑戰？

未來數十年新產業革命的方向將是： (Bjorn Stigson)

Clean, Lean and Mean

Clean, because of climate consequences, water stress and economic impacts.

Lean, characterized by a low carbon economy and eco-efficiency, uncertainty around access to energy and resources, high resource prices and government regulations on resource efficiency.

Mean, because we will experience transformational change and destructive innovations that will create winners and losers.

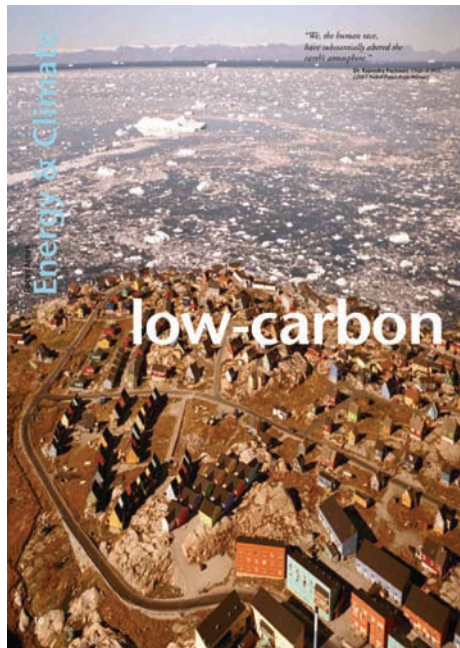
Agenda Influencing Reports

Key Messages

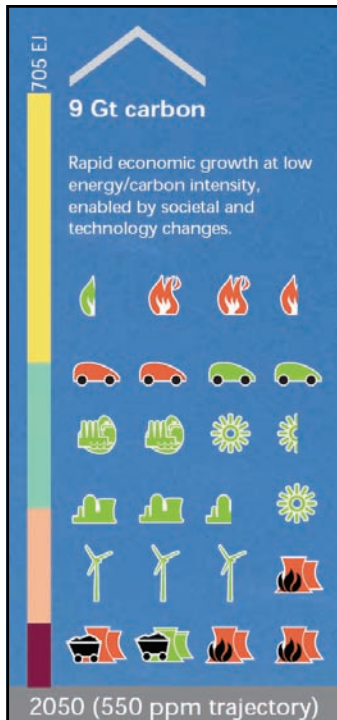
- Climate change via human influence is happening.
The consequences will require adaptation by society
- Need to stabilize carbon concentration at 450-550 ppm, i.e. not go above + 2°- 3°.
- This means
 - 50% emission reductions globally by 2050
 - 60 - 80% for industrialized countries
- Urgent actions are needed.
We are at 430 ppm today



What do you see?



for ?



1.5Gt (2000) to 3 Gt (2050) = 2 Billion cars

If all these vehicles increased efficiency levels (e.g. using hybrid or advanced diesel technologies), emissions could be lower by 1 Gt carbon in 2050.

如果:

所有機動車輛提升效率水準(如使用油電雙動力或先進柴油技術), 到2050年碳排放可能降低1Gt



Opportunities



Opportunities



Today, over 0.5 Gt of carbon emissions come directly and indirectly from lighting.

A shift to advanced lighting technology, such as white LEDs, could see global reductions in related carbon emissions of up to 50%.

0.5Gt以上的碳排放直接或間接來源於照明

若改用高效照明技術，例LED，全球照明的碳排放將減量50%



Opportunities

zero

Our vision
A world where buildings
consume zero net energy

The US DOE Zero Energy Home program has shown that a 90% reduction in net home energy use can be achieved in new buildings.

新型建築可以節約90%的家庭耗能

Building Research Establishment
(BRE, UK)



1



2



3



4



5



6

Innovation for Partnership, Taiwan Possible?

Opportunities



A CALL FOR
ACTION

Consensus Principles and Recommendations
from the **U.S. Climate Action Partnership**:
A Business and NGO Partnership



Carbon footprint issue

Carbon Footprint



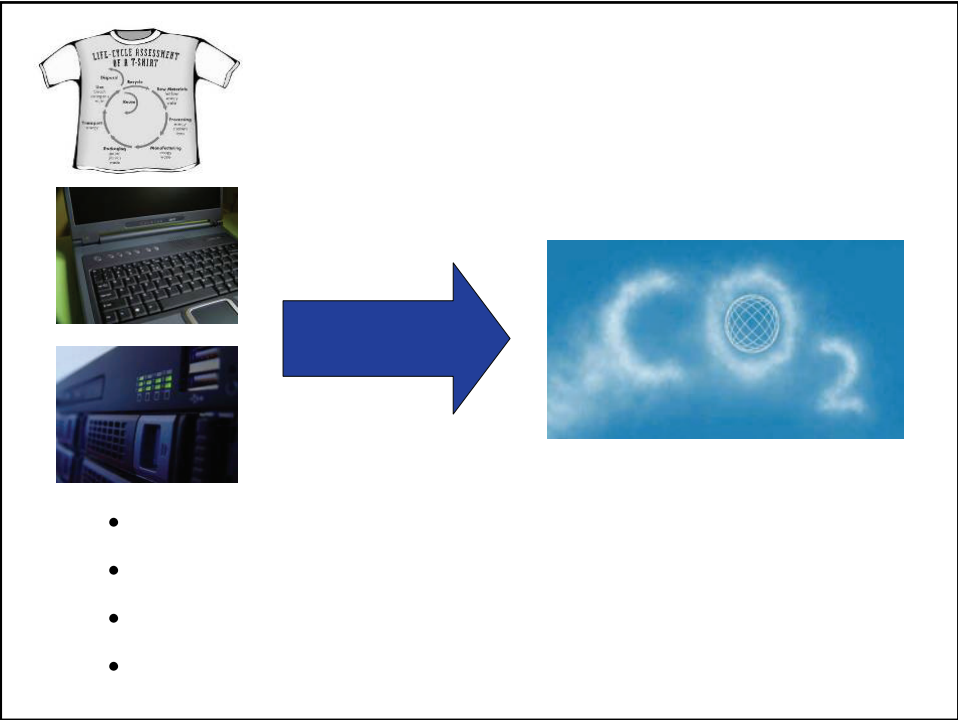
Availability of
Green Power



FDI



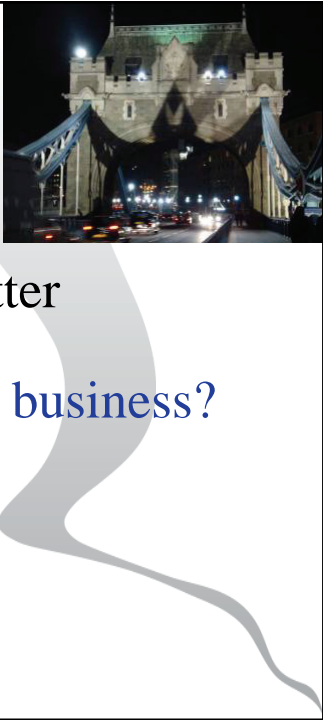
全球佈局的新效應：可能隨綠色電力而去！



See the monster?

China: **No 1** carbon emitter

How does this impact your business?





And then...?

Thank You

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