



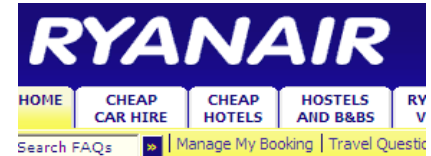
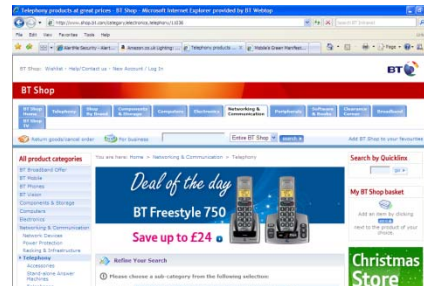
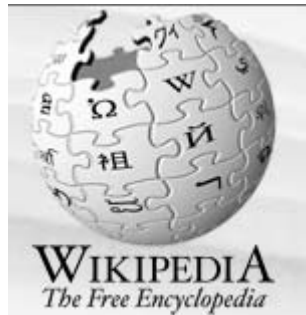
ICT and Transformation to the low carbon economy

Chris Tuppen
Chief Sustainability Officer



Bringing it all together
for a **better** world

What has changed in a transformational way over the last 40 years?

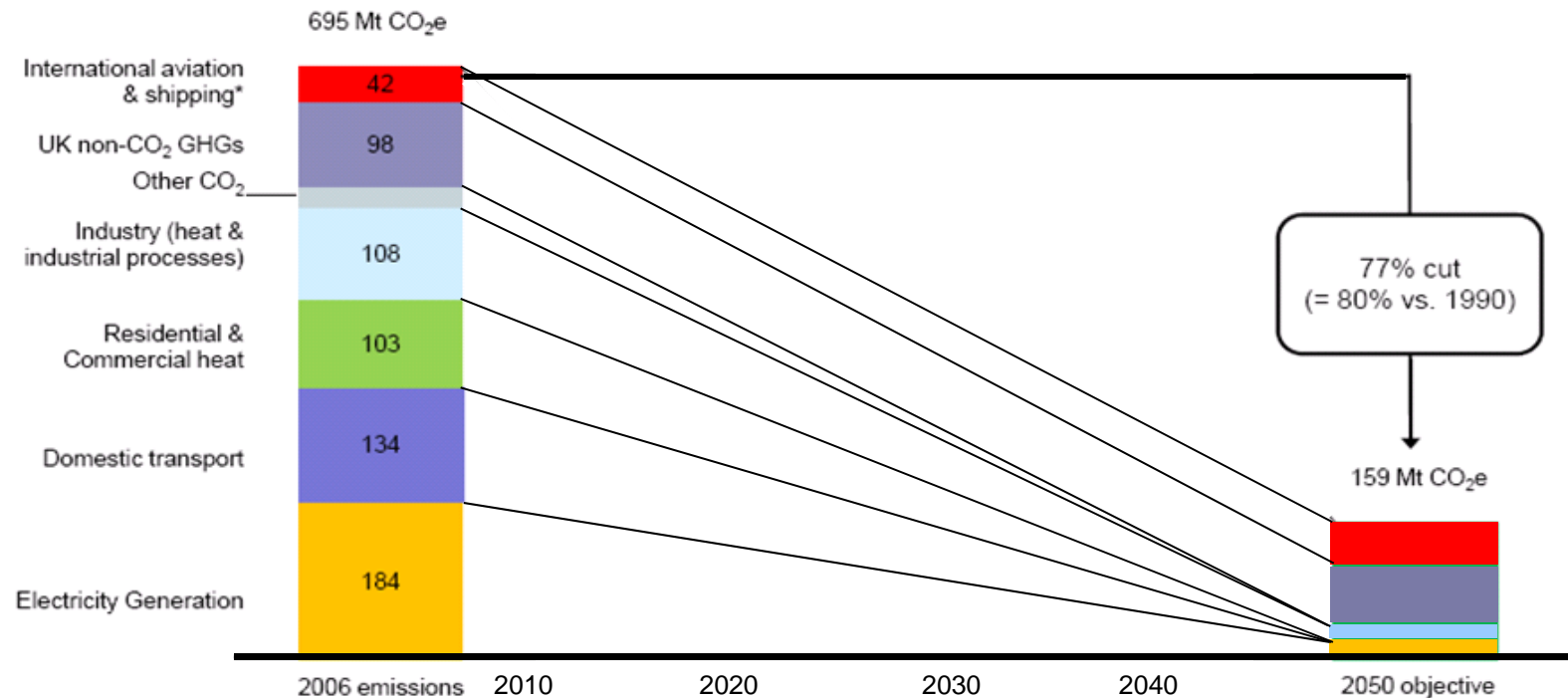


.... and what hasn't



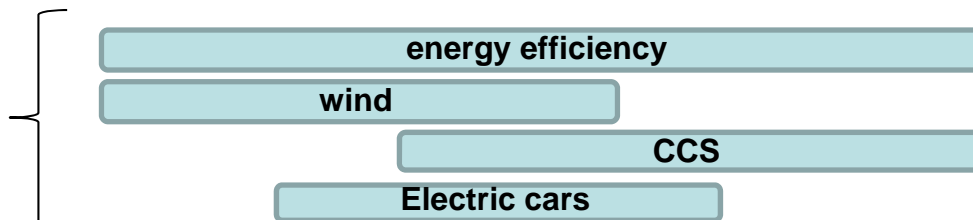
A Massive Transformation

The move to a low carbon economy will be as impactful as the industrial revolution.

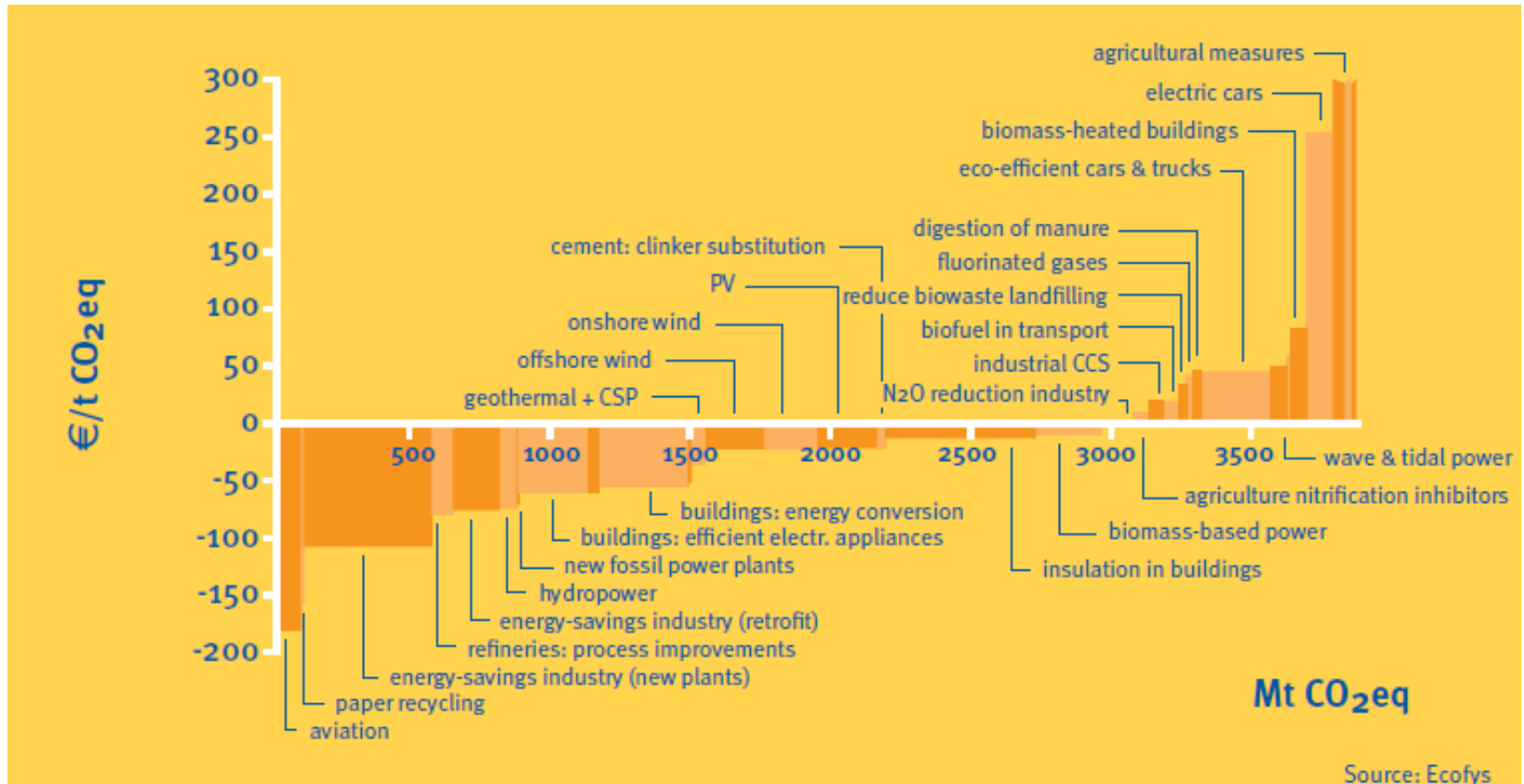


* bunker fuels basis

Some key technologies



Europe: 30% CO₂ reduction by 2020



>40% from energy efficiency

1. Energy distribution,
transparency and control



What will transform over next 40 years?

2. Health care

Travel:	3.41 MtCO ₂	(18%)
Building energy:	4.14 MtCO ₂	(22%)
Procurement:	11.07 MtCO ₂	(60%)

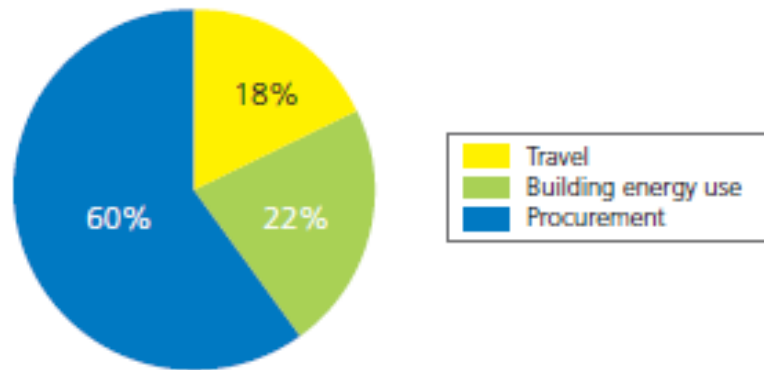
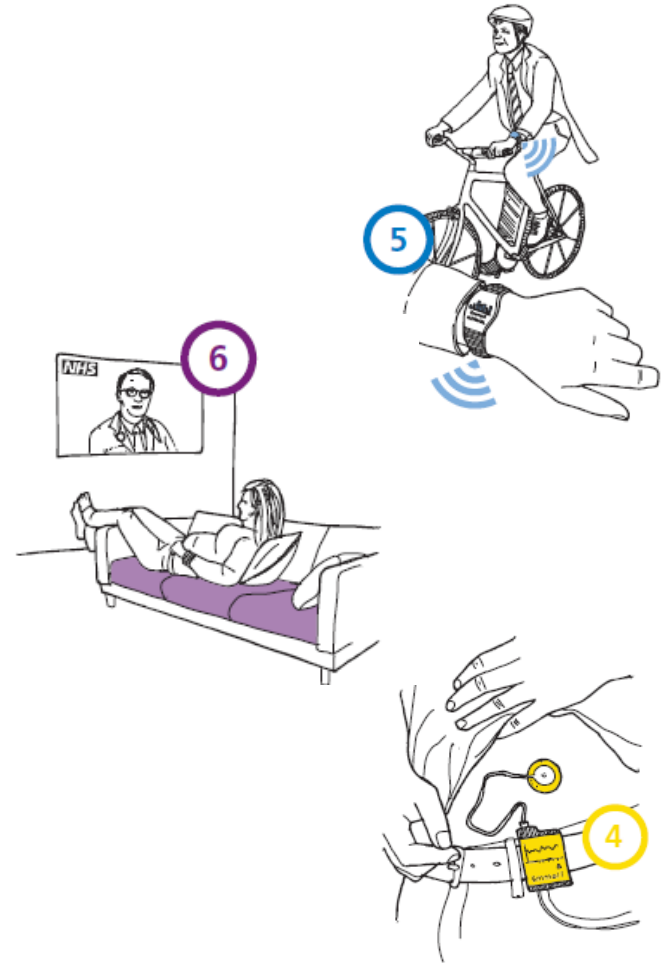
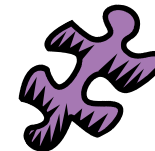
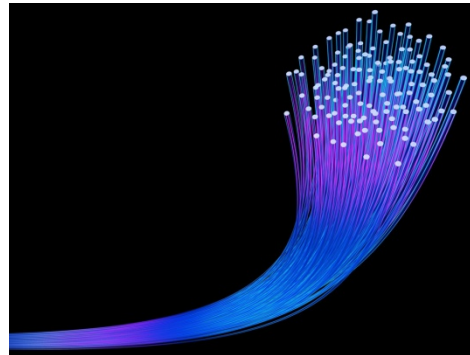
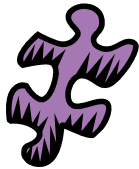


Figure 7: Breakdown of NHS England 2004 emissions



What will transform over next 40 years?

3. Entire Communities



What do we know about the future?

"I think there is a world market, for maybe five computers" IBM chief Thomas Watson 1943



"That's an amazing invention, but who would ever want to use one of them?" President Rutherford B. Hayes to Alexander Graham Bell in 1876

Sir William Preece, chief engineer for the British Post Office, 1878:
"Conditions in America necessitate the use of such instruments more than here. Here we have a superabundance of messengers, errand boys and things of that kind."

In early 1980s McKinsey predicted one million cell phones by 2000.

McKinsey&Company

Imagine



Thank You

More about BT
and climate change at:
www.bt.com/betterworld

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