



Sustainability

Metals Industry Conference
Wellington, 14 April 2011

Introduction

- Target Zero
- Embodied Carbon assessments
- Timber issues
- CEN/TC350 Standards
- EPDs
- Responsible sourcing



Target Zero

- Operational energy
 - Thermal mass makes no difference!
 - "Fabric energy storage" message
 - "Steel" buildings store heat in concrete
 - Old vs New



GUIDANCE ON THE DESIGN AND CONSTRUCTION OF SUSTAINABLE, LOW CARBON SUPERMARKET BUILDINGS



Thermal mass = dead weight



Fabric energy storage = smart



Target Zero

- Operational energy
 - Thermal mass makes no difference!
 - “Fabric energy storage” message
 - “Steel” buildings store heat in concrete
 - Old vs New
- Embodied energy/carbon
 - Depends on methodology
 - Cradle-to-gate
 - Cradle-to-grave
 - Life cycle analysis/assessments
 - Specific answers ([link](#))
 - Timber issues
- BREEAM
 - Excellence costs money (>6%)

