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## 'Going All In' to Meet the Climate Crisis

**1. The built environment is responsible for what percentage of total global carbon emissions?**

42% of total global carbon emissions

**2. What do we mean by whole life cycle carbon?**

We mean the total emissions resulting from the product stage, construction stage, use stage and end disposal stage.

**3. Define scope 1 & 2 emissions.**

Scope 1 - Direct emissions from owned and controlled site and assets  
Scope 2 - Indirect emissions from the generation of purchased energy

**4. What are the upfront emissions in a building's life cycle?**

These are the emissions resulting from the extraction of raw materials and manufacture of building products, transport to site, energy used in construction and waste disposal from site i.e. emissions from cradle to practical completion of works.

**5. Name three ways to reduce upfront emissions.**

Reduce material quantities, use low carbon materials, use recycled materials.

**6. Name four criteria a carbon offset must meet to be valid.**

They must be

1. Additional
2. Permanent
3. Measurable
4. Verifiable