

Practical solutions to reduce embodied CO2 in construction

Increasing attention is focussing on the CO2 associated with construction. Worldwide around 20% - 25% of emissions can be linked to construction and about one third of these come from cement. However, cement as used in concrete has lower emissions than almost any other building material – the high impact comes only from the enormous amounts used. I will talk about **practical** possibilities to reduce these emissions, which can be implemented worldwide and at large scale. One of the two most important possibilities are the potential to replace a large part of clinker with a combination of calcined clay and limestone in **LC3 technology**. The other is to move towards more industrial ways of producing concrete in ready mix plants, rather than on-site mixing from cement in bags.