

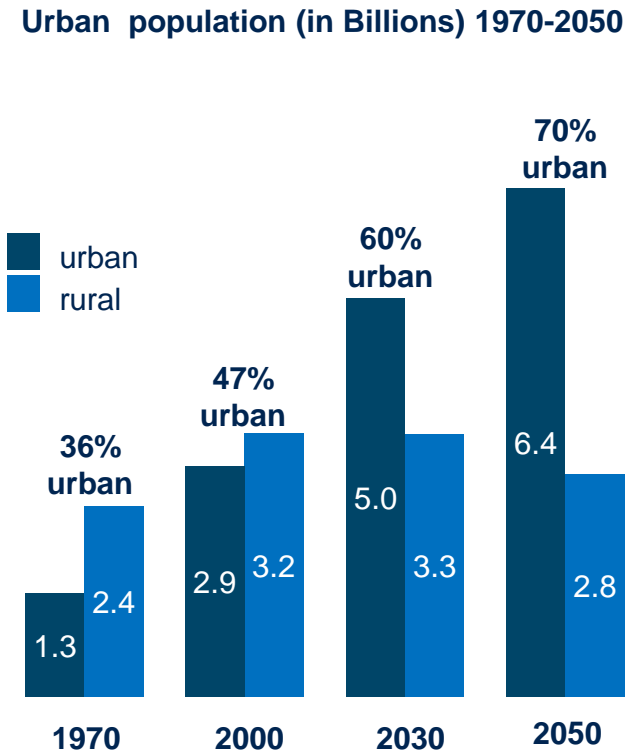
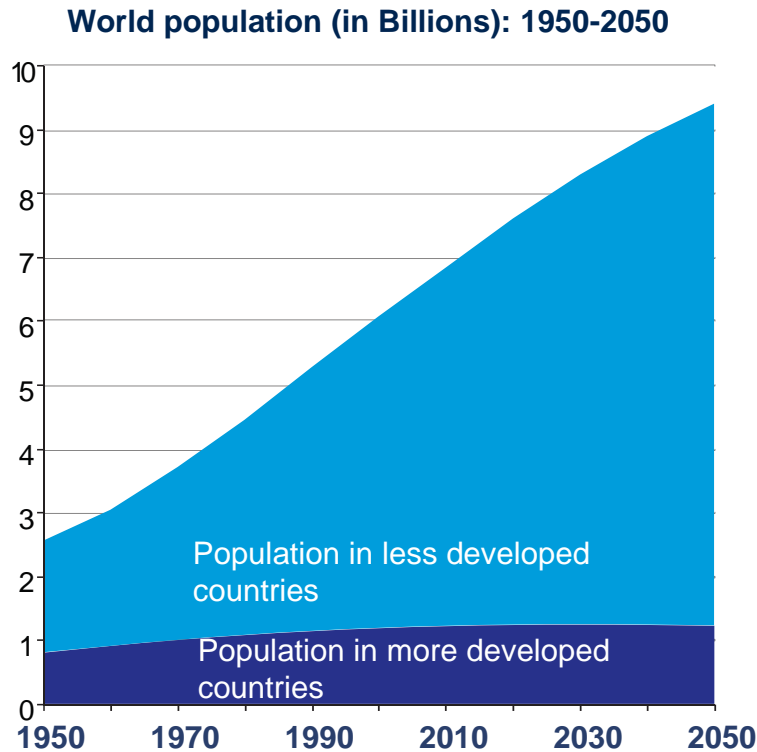
Conor McCone
Senior Environmental Advisor
Construction Industry



An introduction to construction



The Future Society



Source: United Nations, World Urbanization Prospects: The 2006 & 007 Revisions

3 billion more people living in cities in 2050

The Construction Industry

Economy

- Contributes £90b pa to the UK economy (UK Gov)
- Employees 2.9 million in the UK (UK Gov)
- Global construction output is forecast to increase from \$8.5 trillion today to \$12 trillion in 2025 (Global construction)

Carbon

- Energy used in construction and operation of homes and buildings -50% of the UK's total CO₂e emissions (UK GBC)
- 82% operational carbon – 18% embodied carbon (Green Construction Board)
- 87% of existing buildings will be standing in 20250 (UK GBC)

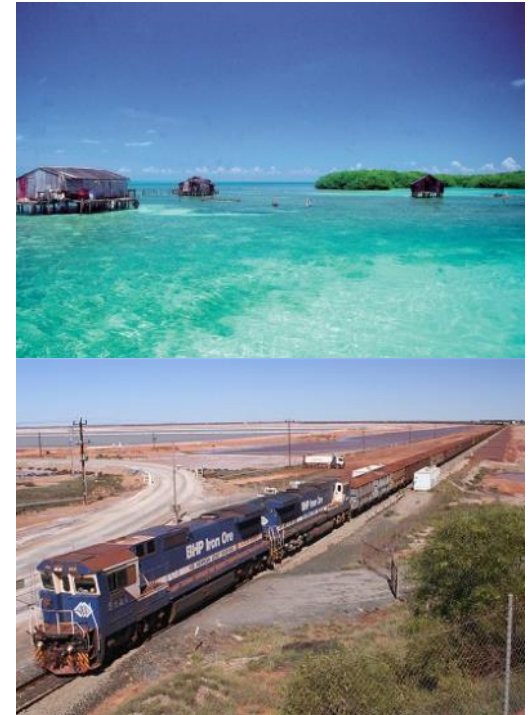
Policy

- UK Climate Change Act
- Building Regulations Part L
- Zero Carbon Buildings
- The London Plan



Why did I choose my career?

- Family business
- Ecological Science BSc and Carbon Management MSc
- Site and office based
- Opportunities to travel
- Interest in the environment and climate change
- Working on lasting construction projects



Projects

The Gherkin



St Bart's and The Royal London



Crossrail



Battersea



Oculus

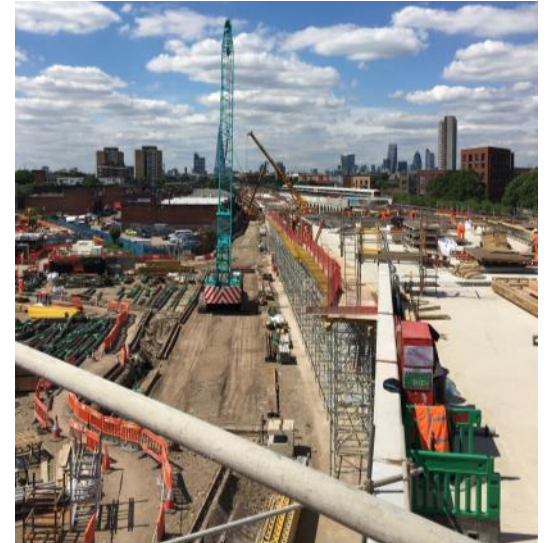


Øresund Bridge



What do I do?

- Site inspections
- Legal compliance and contract documentation
- Surveys & Monitoring – Ecology, Noise and Vibration, Dust, Water, Soil
- Stakeholder management and community engagement
- Work with design and construction teams to reduce energy, carbon, materials, water



ESSENTIAL SKILLS FOR CONSTRUCTION

- Enthusiasm
- Teamwork
- Strong communication skills
- Time management
- Commercial awareness
- Leadership qualities
- Problem-solving skills
- IT skills



What Are Your
Strengths?

GETTING STARTED

Things you can do:

- Research the industry in general
- Gain work experience in the field or volunteering
- Put a good CV together
- Research the company you are applying to
- Demonstrate your passion for construction to employers through your supporting letter and interview





**We
build
for a
better
society.**

