

## **Better Futures+ Internships**

### **The Construction Carbon Footprint Scheme**

#### **About the company**

The Construction Carbon Footprint Scheme (CCFS) has been established to tackle carbon emissions in the construction industry. It provides a straightforward means by which the embodied carbon in construction projects of all types and sizes can be calculated, certified and offset. [www.constructioncarbon.com](http://www.constructioncarbon.com). (A copy of our Vision and Mission Statements accompany this).

#### **About the role**

- Research on the market and sustainability in construction related issues.
- Drafting papers and commentary pieces on various aspects of carbon in the construction industry (with our guidance).
- Mapping of property developers and financial institutions to establish the key professionals with whom we need to be talking.
- Be actively involved in generating content for our marketing partners.
- Map out the key events in the sustainability calendar so we can ascertain how The CCFS can play an active part in what is going on.
- Minuting meetings, preparation of action lists.
- Assistance with preparation for our seed funding pitch.

This will provide a valuable insight into the early stages of a startup, with the opportunity to work with two successful entrepreneurs as we develop our go-to-market plan and seek seed funding. This will give the intern diverse experience into a range of roles that will assist their future career in a startup or sustainability related field.

We have ambitious plans for the development of the CCFS, and we would like to think that the successful applicant could well join us on a permanent basis subject to a mutually positive experience.

#### **About the intern**

Most important skills:

- A motivated self-starter
- Driven
- Enthusiastic
- A good and confident author.
- Good communication skills.
- A passion for sustainability!

**Length of internship:** We would offer this internship for approximately 3 months with a review at the end of the period.

**Remuneration:** London Living Wage (£10.85 per hour)

**To apply:** please email [h.flower@imperial.ac.uk](mailto:h.flower@imperial.ac.uk) and [hello@constructioncarbon.com](mailto:hello@constructioncarbon.com)



# The Construction Carbon Footprint Scheme (The CCFS)

## Vision, Mission & Values

### Vision

The CCFS believes tackling carbon emissions within the construction industry need not be complicated. We believe that a standardised tool for tackling embodied carbon emissions from construction should be available for all construction projects, no matter how big or small.

### Mission

1. **Mission Statement** - We aim to be the leading construction carbon certification programme in the world.
2. **Product Mission** – To create a simple tool that is instrumental in mitigating and driving down carbon emissions from construction.
3. **Corporate Mission:**
  - To become a certified B Corporation.
  - To create a positive, happy, productive and fair place of work.
  - To earn the respect of our peers through the work we do, and the way we do it.
4. **Financial Mission** – to balance profits and dividends with philanthropy and charity.

### Values

- Be honest.
- Be fair.
- Be productive.
- Act with integrity.

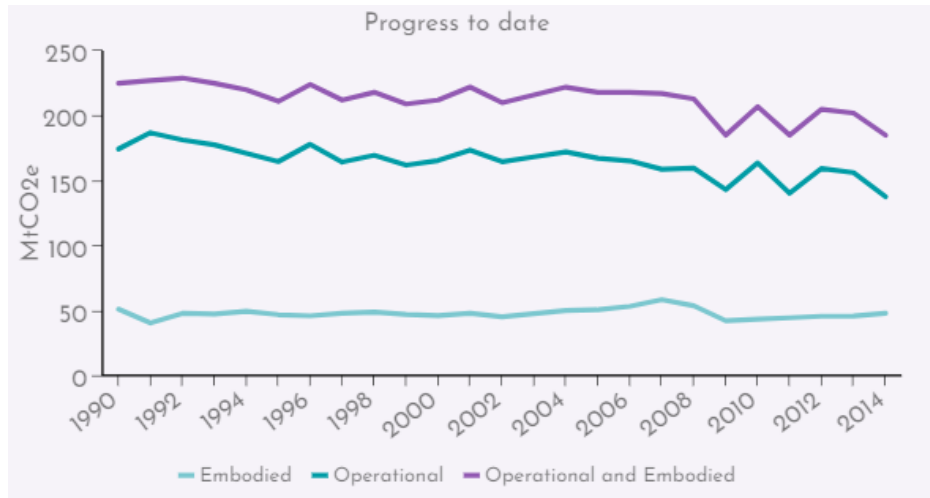
*“Integrity is choosing courage over comfort; choosing what is right over what is fun, fast, or easy; and choosing to practice our values rather than simply professing them.”*

*Brené Brown*

# Problems & Solution

## Problem

The built environment is responsible for 39% of all global carbon emissions (World GBC, 2019). Currently, operational emissions account for 28% of this figure. The remaining 11% come from Embodied Carbon Emissions (ECEs), i.e. the carbon associated with construction. In the UK alone this is 48 megatonnes of CO<sub>2</sub> equivalent per year. This figure has remained stubbornly flat (despite some reductions in operational emissions) at roughly 50 MtCO<sub>2</sub>e per year, since 1990 as per the figure below from ([Climate Change UKGBC](#)):



There is currently no mandatory requirement for the measurement, reduction, and offset of construction carbon emissions, though this is on the horizon. There is nonetheless an appetite from a large proportion of the industry to address construction carbon emissions.

While there are complex and expensive certification schemes for very large construction projects (such as BREEAM), these are out of reach to the vast majority of building contractors and developers.

Local authorities have been set targets to reduce carbon emissions within their constituencies but have no means of tackling embodied carbon emissions from construction.

Financial Institutions are under increasing pressure to ensure what they are financing is doing no harm, and large funds are being put together to facilitate cheaper finance into sustainable projects. There is currently no standard means of assessing and certifying the carbon efficiency of construction projects limiting access to this sector.

## Solution

The CCFS provides a straightforward means by which ECEs in construction projects of all types and sizes can be calculated, certified and offset. 'Offsetting' is a mechanism allowing individuals and companies to invest in environmental projects in order to balance out their own carbon footprints.

We use credible calculation tools in line with emerging guidance from several industry bodies and supported by multiple international Green Building Councils, and partner with auditable offsetting organisations subscribing to international offsetting standards. We are then able to provide certification that allows anyone undertaking a construction project to demonstrate and communicate that their project is carbon neutral.

To encourage improvements in the industry the CCFS will benchmark projects, so the less carbon that needs to be offset, the higher the rating.

The CCFS can be used by Local Authorities as a tool to enforce carbon reductions in construction through planning conditions (i.e. consent is granted provided the scheme is certified carbon neutral).

Financial institutions can use The CCFS to certify construction sites and development projects as carbon neutral, facilitating investment into this sector.



Gilbert Lennox-King

- Established and exited one of Asia's leading energy efficiency consultancies (energenz.com)
- Commercial director at Europe's largest integrated office developer
- Specific knowledge of current sustainability issues affecting property developers



Tom Scott

- Chartered surveyor specialising in construction and development,
- Incorporated Member of the Chartered Institute of Building, RICS accreditations in Historic Building Conservation and Property Finance & Investment
- Track record in growing successful businesses.
- Nominated for the inaugural RICS Social Impact Award in 2020 for work to improve the energy efficiency of traditional buildings.