

Project Summary

Project titled “Comprehensive Joint Training and Awareness Programme for Circular Economy and Carbon Reduction in the UK and Egypt”



Objectives:

This project seeks to mitigate the environmental impact of the construction industry in the UK and Egypt by developing a transnational training program rooted in circular economy principles. It addresses the growing need for sustainable practices amid rising urbanization and population growth, particularly in Egypt, where large-scale projects like the New Administrative Capital are driving increased carbon emissions and resource consumption. Egypt's CO₂ emissions surged from 144,000 kt in 2000 to 250,000 kt in 2018, with per capita emissions rising to 2.0 metric tons by 2020. In contrast, the UK has made significant progress, reducing emissions from 590,000 kt in 2000 to 360,000 kt in 2020, partly due to robust sustainability policies and a shift toward energy efficiency. However, despite these efforts, the UK still trails more progressive countries like those in Scandinavia in meeting emissions targets.



The
BRITISH UNIVERSITY
IN EGYPT

Partners: Brunel University of London, UK

Funding Agency: British Council

Expected Results: The initiative proposes a structured training framework aimed at engineers, educators, and students, designed to foster knowledge transfer between the UK and Egypt through transnational education. Training modules will focus on material reuse, lifecycle assessment, and sustainable construction aligned with standards such as BS EN ISO 14040:2006 and SCI Publication P427. Activities include market surveys to tailor course content, engagement with policymakers, a public awareness campaign, and the implementation of a hybrid pilot course. The long-term objective is to create a scalable, inclusive training model that supports Sustainable Development Goals (SDGs 4, 11, 12, and 13) and informs policy, ultimately contributing to a low-carbon future in both countries.

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For more information on the project, please visit its page:

<https://circularconstructhub.org/en/>