

Project Summary

Project titled “I-DNTITI: Interactive Digital-hub for Net-zero Transition and Inclusion towards Transformative Industry”



I-DNTITI Interactive Digital-hub for Net-zero Transition & Inclusion towards Transformative Industry

PIs

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Key Partners

The BRITISH UNIVERSITY IN EGYPT | UNIVERSITY OF LINCOLN

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BRITISH COUNCIL | STDF (مندوب العلوم والتنمية التكنولوجية Science and Technology Development Fund)

Associated Partners

AQUALUTION | ATENTEC | sapere | Sdapec | ETCC (Energy Technology & Climate Change Laboratory)

Project summary:

The project aims to develop I-DNTITI, an interactive digital hub designed to support industries in transitioning to net-zero emissions. It will create a real-time, digitalized system capable of monitoring greenhouse gas emissions, predicting performance, and guiding organizations toward greener practices. An interdisciplinary team will begin by assessing current industrial practices, energy efficiency, barriers, and transition risks. These findings will inform the design of the digital platform, which will use Industry 4.0 technologies to deliver real-time analysis, supply-chain connectivity, regulatory updates, and benchmarking tools. The hub will also facilitate matchmaking among stakeholders and offer net-zero awareness workshops in both the UK and Egypt. The initiative will culminate in a launch symposium in Egypt. Overall, the project aims to accelerate inclusive net-zero transformation while supporting broader social, economic, and environmental sustainability goals.

Partners: University of Lincoln, United Kingdom

Funding Agency: STDF



The
BRITISH UNIVERSITY
IN EGYPT

Objectives:

The project's objectives are to assess current industrial practices and identify gaps in emissions management, design and develop a secure digital platform that integrates real-time monitoring and predictive analytics for net-zero transitions and promote knowledge exchange and skills development across participating institutions and countries. It also aims to establish an interactive hub that supports stakeholder self-assessment and automated matchmaking to accelerate progress toward net-zero goals, and to create a policy-based benchmark that guides organizations in meeting net-zero targets.

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

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