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GENERAL

Holding a PhD in Civil Engineering with a rare specialisation in Demolition Project Management, I combine academic expertise with practical consultancy experience across the UK and internationally. My work bridges education, research, and industry practice. Since 2020, I have been delivering the MSc and Foundation Degrees in Demolition Management in collaboration with the University of Wolverhampton and the Institute of Demolition Engineers (IDE). In response to the growing global demand for flexible, high-quality training, I founded PERSES Academy, a platform dedicated to bespoke online courses in demolition and decommissioning, where I led the development of the world's first online Demolition Management course. My research interest covers a range of topics including demolition management, the circular economy, technical guidance notes, and project strategy, with published work featured in international conferences and industry publications that support safer, smarter, and more circular demolition practices.

SKILLS

- Circular Economy
- Health and Safety
- Sustainability
- Waste Management
- Strategic Management
- Research & Development
- Construction & Demolition Documentations
- Expert Witness

PROFESSIONAL EXPERIENCE

International Director | PERSES Group, Edinburgh, United Kingdom | 2023 - Present

My role under this position is threefold:

1. Engage with world leaders in the built environment to promote PERSES services. Our advice is primarily centred on health and safety, which includes:
 - Health and safety advice.
 - Demolition consultancy.
 - Vetting documentation.
 - Preparing documents such as feasibility studies, method statements, risk assessments, programmes, traffic management plans, and environmental plans.
 - Waste management advice.

2. Provide training courses face-to-face and virtually.
3. Establish partnerships with worldwide universities to teach demolition as an elective module under civil engineering degrees.

Head of Research & Development | PERSES Group, Edinburgh, United Kingdom | 2020 - Present

My main role in PERSES was writing guidance notes for the demolition industry, updating and developing courses for the industry, providing environmental and circularity advice for our clients, preparing the necessary documentations for our projects, and co-teaching for the Demolition Management degree in collaboration with the Institute of Demolition Engineers and Wolverhampton University.

I also participated in weekly site visits to provide environmental, and health and safety advice where appropriate, and engage in discussions with clients.

Projects attended at PERSES include:

- **Longannet Power Station, 2020-2023.**
 - This project involved the decommissioning of the former 2,400 megawatts coal-fired power station including a 183-metre chimney, which was operational until 2016.
- **Eggborough Power Station, 2020-2024.**
 - This project involved the decommissioning of the former 2-gigawatt coal-fired power station (comprising four 500-megawatt units, eight 90-metre-high cooling towers and a 200-metre chimney), which was operational until March 2018.
- **Hendon Gas Holder Decommissioning, 2021-2022.**
 - This project involved the decommissioning (desludging and dewatering) and demolition of 3 gasholders and the associated gas plant and ancillary buildings. One gasholder, a multi-lift spiral, was above the ground, and two were below ground.
- **Anechoic Chamber, Farnborough, 2021-2022.**
 - The demolition of the National Gas Turbine Establishment (NGTE) Anechoic Facility in Farnborough as part of the Hartland Village development for the client St. Edward (part of the Berkeley Homes Group).
- **Hutton, Tension Leg Platform, 2021-2023.**
 - The decommissioning of the Hutton, the world's first production tension leg platform (TLP), which had been a landmark in the Cromarty Firth where it had been moored for approximately 12 years before the project commenced.
- **Wandsworth, London, 2022-2023.**
 - A large and complex city centre demolition contract involving the demolition of multiple building types using various methods in Wandsworth Town in south London for St George (part of the Berkeley Homes group).
- **CalaChem, 2022-2023.**
 - The decommissioning of the top-tier CoMAH site, CalaChem, which was used in the manufacturing of chemicals and other agents. The site contained a mixture of single and multi-storey office space, laboratories, workshops and storage buildings, tank farms, pipe-run infrastructure, and inventory storage tanks.
- **Croydon Gas Holder Decommissioning, 2022-2023.**
 - The decommissioning (desludging and dewatering) and demolition of two redundant gasholders along with the framework on a live Pressure Reducing Station gas site

- Royal Liverpool University Hospital, 2023.
 - We worked on assisting the Contractor to bid for the Royal Liverpool University Hospital. The works included comprehensive work on various documentation including method statement, traffic management plan, programme, risk management plan, and others.

EDUCATION

Doctor of Philosophy | University of Bath | Bath, United Kingdom | December 2021

Thesis title: "Guidance for Advancing Demolition Project Management in the UK."

The aim of my research project was to propose guidance for managing the constantly arising complexities of demolition projects by taking into considerations the principles of the circular economy. Achieving this necessitated adopting a qualitative research approach, which enabled me to access and engage with forty demolition organisations in the UK. Many pioneering findings were elicited from the process which included: the identification of the root-cause challenges that hinders the successful delivery of demolition projects, the identification of critical success factors to tackle such challenges, mapping of the demolition process, and demonstrating the role of the demolition industry in the transition towards the circular economy. This project equipped me with valuable knowledge of the demolition industry processes and techniques, waste management, the principles of the circular economy, and state of the art strategies and methods for managing demolition projects.

Master of Science | Loughborough University | Loughborough, United Kingdom | December 2015

Dissertation title: "Co-opetition: A Game Theory Approach to Collaboration in Design and Build Contracting."

Modules included:

- ICT for Construction Project
- Research and Communication
- Principles of Design and Construction
- Management of Construction Processes and Techniques
- Principles of Project Management
- Procurement and Contract Procedure
- Strategic Management for Construction
- Federated Building Information Modelling

Bachelor of Science | Coventry University | Coventry, United Kingdom | July 2014

Dissertation Title: "Challenges to Developing the Future of Construction Businesses in Palestine."

Modules included:

- Construction Industry Practice
- Design Studies
- Engineering Analysis and Materials
- Transport Infrastructure
- Construction Finance

PUBLICATIONS

September 2023:

- "Transforming Demolition: Rethinking Demolition Management Through Circular Economy Principles"
 - World's first online demolition management course. Accredited by the Middle East University in Amman, Jordan and Institute of Demolition Engineers (IDE)
<https://persesacademy.getlearnworlds.com/>

July 2022:

- Demolition project management pathways: the route towards circular demolition

In: IOP Conference Series: Earth and Environmental Science.

The paper was accepted and presented at the World Building Congress in Melbourne, which subsequently was " " selected to be published by the Institute of Physics conference series.

<https://iopscience.iop.org/article/10.1088/1755-1315/1101/6/062002>

June 2022:

- A Strategy for Disaster Management in the Built Environment - Published by The Institute of Demolition Engineers - <https://ide.org.uk/education/a-library-of-useful-reading/>
- The Demolition Process Explained - Published by The Institute of Demolition Engineers - <https://ide.org.uk/education/a-library-of-useful-reading/>
- A Systematic Approach for the Removal of Underground Storage Tanks - Published by The Institute of Demolition Engineers - <https://ide.org.uk/education/a-library-of-useful-reading/>
- Demolition of Tower Blocks - Published by The Institute of Demolition Engineers - <https://ide.org.uk/education/a-library-of-useful-reading/>

September 2019:

- Exploring the Value of Demolition Contractor Involvement at the Design Stage of Construction
 - In: Gorse, C and Neilson, C J (Eds) Proceedings of the 35th Annual ARCOM Conference, 2-4 September 2019, Leeds, UK, Association of Researchers in Construction Management, 334-343.
 - This paper won the best prize in the Construction Transformation category in the conference.

September 2018:

- Critical Success Factors: The Development of a Conceptual Framework for Demolition Projects
 - In: Gorse, C and Neilson, C J (Eds) Proceedings of the 34th Annual ARCOM Conference, 3-5 September 2018, Belfast, UK, Association of Researchers in Construction Management, 209-218.