Event: **ENERGY in BUILDINGS - CRETE 2024**
Date: Saturday April 20, 2024
Place: Heraklion, Crete

#	**Christos Kollias** MEng, MSc, BREEAM Assessor, LEED AP LCA Practitioner	
Title:	Senior Energy & Carbon Consultant at Verte Ltd, London, UK	
email:	kolliaschris@gmail.com	
Presentation title:	**Net Zero Carbon Buildings**	

Net zero carbon buildings address both operational and embodied carbon emissions. By minimizing energy consumption during operation through advanced design strategies and energy-efficient technologies, these buildings are intended to significantly reduce their operational carbon footprint. Additionally, they tackle embodied carbon, which encompasses emissions associated with materials production, construction, and transportation. Through careful selection of low-carbon materials, efficient construction techniques, and carbon offsetting measures, net zero carbon buildings strive to mitigate embodied carbon emissions. This comprehensive approach ensures that these buildings not only minimize their environmental impact during operation but also consider the entire lifecycle, making them integral to sustainable development efforts. Through collaboration across diverse stakeholders, net zero carbon buildings pave the way for a greener future, where buildings play a pivotal role in mitigating climate change and ensuring a more sustainable tomorrow.

Short CV:

An experienced consultant with capabilities in compliance and operational energy modelling, daylight utilisation, and indoor thermal comfort to provide comprehensive solutions to building design. Additionally, he is proficient in securing environmental certifications such as BREEAM LEED and DGNB for both new construction and renovation projects. He is working for a company in London, UK, with prior experience in Denmark."

CV:

Christos G Kollias

kolliaschris@gmail.com

He completed his undergraduate studies in 2011 at the Technical University of Crete (TUC) in Chania, earning a degree in Environmental Engineering (MEng). Additionally, he pursued further education, obtaining a Master of Science degree (MSc) from the Technical University of Denmark in Copenhagen, specializing in the field of Sustainable Energy - Energy Savings in Buildings.

Work Experience

- 2021-Present: Senior Energy & Carbon Consultant at Verte Ltd, London, UK
- 2018-2021: Senior Consultant at Ramboll, Copenhagen, Denmark
- 2015-2018: Energy and Sustainability Engineer at Twin & Earth Ltd, London, UK
- 2014-2015: Energy Consultant at Ørtoft A/S, Copenhagen, Denmark