


Event:
Date:
Place:

ENERGY in BUILDINGS 2018
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Athens, Hellas



#	<p>Adam Dicken Chemical Engineer, AMIChemE</p>	
Title:	Chemical Engineer at Phase Change Material Products Ltd.	
email:	Adam.dicken@pcmproducts.net	•
Presentation title:	<p>Innovative uses of Phase Change Materials (PCMs) for Renewable Heating & Cooling</p>	
<p>Phase change materials (PCM) offer a solution to bridging the gap between energy use and energy availability. These materials store energy in the form of latent heat, which is the heat required to change solid into a liquid, without a change in temperature. This physical process offers a completely reversible, energy dense, safe method of energy storage.</p> <p>This presentation will offer an introduction to this technology and also illustrate a number of case studies, where PCM thermal energy storage has been successfully implemented. It aims to discuss the reasoning behind why PCM energy storage was the correct technology for these applications.</p>		
CV:	<p>Having worked on over 15 grant funded research projects, of which 5 are through Horizon 2020, I have a special interest in the promotion and development of alternative, energy efficient and environmentally friendly cooling technologies. With both on-site and technical engineering insights on the industry, I hopes to help guide the development of the next generation of HVACR systems.</p> <p>Chemical Engineer, Phase Change Materials Products Ltd.</p> <p>I work on a range of research and development projects with a focus on the cooling, heating and sustainability sector. This includes enhancements in phase change materials; zero-GWP cooling and renewable technologies.</p> <p>I am currently managing three engineering research projects which have been funded in-part by the UK government. I also support our clients with technical advice; system design; and technical specifications, I ensure that they have the confidence to apply thermal energy storage to their HVACR systems.</p> <p>Service Manager, RCL Air Conditioning Ltd.</p> <p>I managed and coordinated a group of air conditioning engineers, I would ensure that they had the support they needed whilst they were onsite. I would liaise with facility management and air conditioning suppliers, making all the necessary arrangements for repairs and installations to proceed in a timely manner.</p> <p>Air Conditioning Technician, RCL Air Conditioning Ltd.</p> <p>I worked onsite, helping to repair and service air conditioning systems. Working in practical environments allowed me to gain an understanding of how many facilities operate in the real world.</p>	