

Event:
Date:
Place:

ENERGY in BUILDINGS 2017
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Athens, Hellas



#	<p>Maria Danilatou Architect Engineer, NTUA, M.Arch Bartlett_UCL UK, DGNB Auditor</p>	
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Presentation title:	<p>Sustainable Lighting Practices and Lighting Technologies. Case Study: Office Buildings</p>	
	<p>This presentation aims to inform about new lighting technologies and practices that contribute to both energy-efficient and human centric lighting philosophy. In a context where technology is evolving, European and international standards are increasingly incorporating principles and limits, pushing quality lighting applications and inhabitant satisfaction to new approaches, EU policymakers and industry stakeholders stress the importance of working and living in a healthy environment.</p> <p>An integrated design team and design process is critical to achieving through synergies and interactions a holistic approach of a future-proof lighting design, focusing not only on its architectural appearance, but also on the amount and quality of light used for an agreed lifecycle of the installation. Thus, we will briefly analyze the different roles of designers, manufacturers, and owners in lighting maintenance, and discuss how these roles could evolve in response to industry's challenging landscape.</p> <p>The case study of office buildings: In support of these new aims and challenges in lighting, new metrics of lighting in workplace have also been established. In the past, we focused on lighting working planes and providing high illuminations; now we focus on lighting control technology and meeting task and environmental illumination requirements. We will explain how green procurement and requirement for BIM in newer and updated buildings are evolving, questioning about features such as the best color rendering possible, UGR factor, user control etc; and ensuring installation costs not offset the cost-saving benefits of LED systems.</p>	
CV:		
	<p>Maria Danilatou is a senior architect and lighting engineer, specialized in sustainable architectural lighting design and application systems with a wide portfolio of projects, such as hotels, residences, retail, offices, medical centers, museums, etc.</p>	