Chapter 5 Comes Alive!

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ABSTRACT

Existing Buildings – the title of Chapter 5 of the Energy Conservation Construction Code (IECCC) – is an area with great potential to reduce energy demand. This session will dive deeply into Chapter 5 to show how to upgrade and revitalize existing buildings to be code compliant (and better), using stories of practice - so Chapter 5 comes alive. We'll cover code-savvy renovations and interventions such as reroofing, window replacement, and building additions. Chapter 5 basically says, "If you touch anything in an existing building, you need to do all the energy code compliance stuff we covered in the rest of the Code, with a few exceptions." But what does this REALLY mean? We can help all of the members of a project team understand two key things: 1. We can do this work well and in compliance with code, or we can create problems for the buildings and risk for our firms. 2. Our future work will have to engage in MANY more modernizations projects and retrofit work if we are to meet climate goals in our communities, states and the nation. We have found that there is a lot of misunderstanding about energy code requirements for existing building projects. This includes the belief that some aspects are impossible to comply with. Combined with spotty enforcement, it has created a slippery slope! Designers need to realize that the energy codes can and must be followed. Only then can we reap the benefits that come with reducing energy usage in existing buildings.

BIOGRAPHY

Jim D'Aloisio has been a Principal with Klepper, Hahn & Hyatt for 30 years, currently serving as the company's President. During that time the company expanded from structural engineering to include landscape architecture and building envelope services. He developed a passion for the intersection of building structures and envelopes, delving into thermal bridging and energy codes as well as embodied carbon calculations and reduction strategies. He got involved in the USGBC NY Upstate Chapter and became President, then served a year as a national USBGC board member. Along the way he developed interests in Sociocratic decisionmaking, improv, and monarch butterfly raising.