

A New Design Imperative KL&A's 10 Strategies to Reduce Embodied Carbon



SEMINAR DESCRIPTION

The world climate crisis is upon us. Regardless of how it came about, the time has come to put down the dire reports, pick up our sense of optimism, and build the business case for doing something about it. KL&A now recognizes that embodied carbon is part of our industry's contribution to world greenhouse gas emissions, and that it is our business to develop new thinking around structural materials and construction: how they are made, how they are used, and how they are disposed of. We have developed a 10-point strategy for implementing this new design imperative. This talk will introduce the basic concepts of embodied carbon accounting and portray a broad picture of industry trends, opportunities, and strategies for embodied carbon reduction. There will be ample time for discussion.

KL&A's Strategy

1. Start Now
2. Big Rocks First
3. Innovate
4. Reuse Buildings & Components
5. More Biogenic Materials
6. Less Cement
7. Long Life, Loose Fit
8. Cost Matters
9. Market Evolution & Incentives
10. Open-Source Effort



Greg Kingsley, PhD, PE, is the president and CEO of KL&A Engineers and Builders in Golden, Colorado, a firm of 100 souls including structural engineers, civil engineers, land surveyors, steel detailers, steel construction managers, and now Team Carbon.



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