Need for Performance Drives Complexity

*B A Brick on Top of a Brick for a Thousand Years...*

Evolution of High Performance Buildings (and Complexity)

The Accelerating Pace of Change

Democratization of Information

“Information Wants to Be Free” - Stewart Brand

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Integration of BIM, IPD, Lean, and Sustainability
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Interconnectivity Across Global Networks

Innovation and Disruptive Change

Information - vs - Knowledge - vs - Wisdom

The Old Paradigm

- Centralization
- Standardization
- Specialization
- Experiential
- Hubristic (Kibirli)

The New Paradigm

- Distributed Networks
- Decentralization
- Trans-disciplinary
- Experimental
- Collaboration (İşbirliği)

Rapid, Experimental Innovation

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Building an Innovation Network

Inciting Internal Creativity

An Idea Factory

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The Future of Building?

Closing Thoughts

A Word of Warning

Barrett’s Unchanging Law of Technology:

“You Can Put a Really Cool Technology on Top of a Bad Process and Make Everything Worse”

Operating System

Integrated Building Solutions

- Building Information Modeling (BIM) Tools & Methods
- Lean for Design & Construction Process Improvement
- Alternative Project Delivery Relational Environments

Guiding Principles of Innovation

- Respect people
- Grow a diverse knowledge network
- Own nothing, share everything
- Think big but bet small and often
- Cheap, good, & now always beats expensive, perfect, but later
- Fail fast and learn faster

Build A Learning Organization To Capture Opportunities

“An organization’s ability to learn, and translate that learning into action rapidly, is the ultimate competitive advantage.”

- Jack Welch, GE