

# Zero/Six Consulting & Z6 Commissioning Present in Partnership with the USGBC Texas Gulf Coast Region: Whole Building Commissioning

For years, we have commissioned dynamic systems to ensure performance throughout the whole enclosure while assuming that the static envelope would also perform. Over time, commissioning (Cx) and specialty Cx disciplines, such as building envelope commissioning (BECx), have gained momentum as necessary processes in achieving optimal building performance through mandatory requirements as set forth by LEED v4 and the 2015 IECC codes. This presentation establishes the foundation for integrating commissioning with other professional disciplines through the use of 3rd party consultants, performance testing and mock-ups beginning in the design phase and continuing through to project close-out. This presentation will also describe the methods, phases, activities and testing opportunities for effective whole building commissioning. During Part 2 of this session, participants will tour an ISO-accredited laboratory that displays a pre-construction mock-up created to provide insight into potential design conflicts, sequencing of exterior systems, and establishing installation requirements to ensure these installed systems interface as intended.

## Learning Objectives:

1. Understand the life span of the commissioning process.
2. Understand the players in the process and how each player fits into that process.
3. Understand the difference between the commissioning process of the past versus the movement towards "whole building commissioning"; and how LEED v4 and the 2015 IECC will influence the commissioning process moving forward.
4. Understand how commissioning language in project manuals needs to coordinate with the testing requirements typically found in the project manual.

## EVENT DETAILS

**DATE:**  
Thursday, October 5

**TRANSPORTATION:**  
\$35 from Houston and return. Depart 11:00 AM from City of Houston Permitting Center. Return after BBQ. Max 12 Seats Available.

**LOCATION:**  
6101 Harborside Dr.  
Galveston, TX 77550

**AGENDA:**  
12:30 PM Registration / Check-in  
1:00 PM Introductions  
1:15 PM to 2:00 PM Overview of Cx Requirements  
2:15 PM to 3:00 PM Cx Language in Project Manuals  
3:15 PM to 4:00 PM Tour of UTMB Mock-up  
4:00 PM to 5:30 PM BBQ

**ADMISSION FEES:**  
USGBC Members: \$30  
AIA, ASHRAE, UTMB: \$30  
Students: \$15  
Nonmembers: \$40

Register at, <http://www.usgbctexas.wildapricot.org/event-2658745>.



**BILL COLTZER JR., AIA**  
President  
Zero/Six Consulting, LLC & Z6 Commissioning, LLC



**DAVID MACLEAN, CPMP, LEED AP BD&C**  
Chair / Vice President  
USGBC TGC Region / McMac Commissioning Services, LLC



**EARN 1 USGBC CEU &  
1 AIA CEU!**

