

Sponsored by:



UW— A LEED Gateway Under Construction



The University of Wyoming (UW) Marian H. Rochelle Gateway Center is a multi-use facility, designed to be a Leadership in Energy and Environmental Design (LEED) certified building containing many sustainable design components. This tour will allow participants to observe the installation of these components as they are being installed. In addition, this facility has very complicated MEP and AV/Data systems. The tour will explain how the use of Building Information Modeling (BIM) helped reduce conflicts as these systems competed for space, as well as giving the participant the ability to physically see how the conflicts were resolved. Finally, this tour will provide insight into many code related issues, and the integration of unique, high-tech digital systems in museum quality environment.



Learning Objectives:

At the end of this program, participants will be able to:

1. View sustainable building features in the process of being installed, and understand the complexities of integrating various systems and materials to achieve the required outcomes.
2. Examine how architectural, structural, mechanical, plumbing, electrical, and data systems were installed with few conflicts by the used of Building Information Modeling at the subcontractor level.
3. Study the design techniques used to allow a 3-story atrium to be built to code compliance without the need for an expensive smoke evacuations system.
4. Demonstrate the unique integration of high-tech Exhibit Design, requiring state of the art audio, visual, and graphic digital equipment, with standard building mechanical and electrical systems.

