

Modular Vacuum Networks for Science Facilities

Course # VAC0101

vacuubrand

VACUUBRAND, INC.
Provider Number:40107861
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 - ▶ Registered attendees will earn 1 LU/HSW
- ▶ Credits earned on completion of this course will be reported to AIA CES for AIA members.
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GBCI Credit Information

- ▶ This course qualifies for 1 CE Hour for
 - ▶ LEED AP BD+C
 - ▶ LEED AP O+M
 - ▶ Per LEED V4/2013
- ▶ Course ID: 0920001752
- ▶ Approval Date: 10/27/14



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Course Description



- ▶ This course will focus on the benefits of multi-user, in-lab local vacuum networks for supply of lab vacuum in science buildings.
- ▶ The course will review common approaches to lab vacuum and consider the relative strengths and weaknesses of each approach.
- ▶ Emphasis will be placed on considerations related to the specification, design, and installation of a "local vacuum network."
- ▶ Case studies will demonstrate the applicability of local vacuum networks for new and renovated lab space in a wide range of facilities and scientific disciplines



Learning Objectives

- ▶ At the end of this program, participants will be able to...
 - ▶ Explain the relationship between the nature of the science program intended for a laboratory and the vacuum options available to support those scientific objectives in new construction and renovations
 - ▶ Identify the potential for material, energy, and water savings that can be achieved by employing lab vacuum networks as compared to alternative approaches to lab vacuum supply, and the contribution of those savings to sustainability objectives
 - ▶ Convey to clients the opportunity to reduce building emissions through choices regarding the lab vacuum utility by recovering waste solvent vapors rather than exhausting them, and
 - ▶ Recall the questions to be asked during project programming to ensure that the specified vacuum utility meets the customer's scientific needs and sustainability objectives.