

7:30 AM

Plant to People - Low Lift Decoupled Systems

HVAC Systems have seen many changes in the last decade. This includes energy reduction goals, calls for decarbonization, reduction in fossil fuel use, embodied carbon, and net zero stretch goals. This presentation will explore the key drivers, i.e., emissions, global warming and the role Hydronic systems can play in alleviating some challenges.

- Understand the impact of built environment & related carbon emissions.
- Understand how the energy codes and jurisdictions are driving the push towards energy efficiency and electrification.
- Understand the role we (HVAC industry) can play in preventing irrevocable global warming damage.
- Identify and understand how "Low Lift Decoupled Systems" can help. Including Chilled Beams, Sensible FPBs, UFAD & Perimeter Troughs.

Presenting: Price Industries

11:30 AM and 4:00 PM

Laboratory Exhaust Systems

Laboratory exhaust systems are facing new challenges, including stricter regulations, and sustainability goals. We'll explore key drivers shaping laboratory exhaust design such as environmental impact, energy efficiency, and safety. The primary focus will be on fan selection and control strategies to address these pressing issues. Learning objectives include:

- Understand the role of laboratory exhaust in air quality and options for reducing environmental impact.
- Recognize how new standards and codes are driving the need for energy optimized solutions.
- Identify how proper fan sizing, staging, and control techniques can achieve performance goals while minimizing energy consumption.

The presentation aims to demonstrate how careful planning in areas like plume modeling, noise reduction, and coordinated controls enable laboratory exhaust systems to meet the newest standards. Attendees will leave better equipped to design sustainable systems balancing environmental performance, energy use, and safety.

Presenting: PennBarry

9:00 AM and 2:30 PM

Designing Laboratory Spaces

Designing laboratory spaces come with a unique set of challenges for designers. This webinar will review how to design a laboratory HVAC system, addressing key components such as: room pressure standards, fume hood controls, air change rates, and occupancy set up.

Presenting: Antec

1:00 PM

Healthcare Air Distribution and the Modern Operating Room

This presentation will cover the challenges of modern operating room design, identify proper diffuser selection and layouts for these spaces, review code requirements, and explore the cost implications and benefits of integrated ceiling systems to optimize air cleanliness and expedite the project management and installation process.

Presenting: Price Industries