



FEBRUARY TECHNICAL WEBINAR

TRANSCRITICAL CO₂: THE BASICS AND A FEW PROJECTS

SPEAKER: JEFF BUXTON

We welcome you to join us for the San Jose ASHRAE Chapter's February technical webinar. Check in with our chapter and learn about alternative refrigerants.

Date: February 17, 2021

Location: Online Only

Log in information will be provided prior to the meeting

Time:

Chapter Announcements 12:00 PM

Presentation 12:15 PM

Cost:

Registration \$ 10

RSVP: <https://sjashrae.org>

Speaker:

JEFF BUXTON, PE

ENERGY CONSERVATION ENGINEER

Jeff Buxton is one of the progressive engineers developing customized solutions that are paving the way for PermaCold's commitment to green industrial refrigeration. His work is directly establishing the company as the industry leader in highly efficient, energy-saving systems and the use of natural refrigerants.



Jeff brings particular expertise in designing systems for a wide array of refrigerant types, including Synthetic Refrigerants, Ammonia, and CO₂. This value-added engineering experience helps him design custom-built systems unique for each facility's needs or conditions.

Jeff's work includes the design and selection of major equipment for industrial refrigeration systems in a range of applications, and he has successfully completed projects for facilities ranging from food production plants to freeze dry, cold storage, and beverage manufacturers.

Jeff holds Professional Engineering License in Oregon and Tennessee, with a BS in Engineering with a concentration in Mechanical Engineering from George Fox University. He is also a member of the International Institute of Ammonia Refrigeration, and the Refrigerating Engineers & Technicians Association.

Presentation Summary

- Will Discuss some of the basics of Transcritical CO₂ with comparisons to the more familiar refrigerants.
- Will Review some examples of some project applications including some actual completed projects
 - Cold Storage
 - Food Processing
 - Glycol Chillers