



# Central HPWH Trainings for Multifamily

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### The D+R International Team

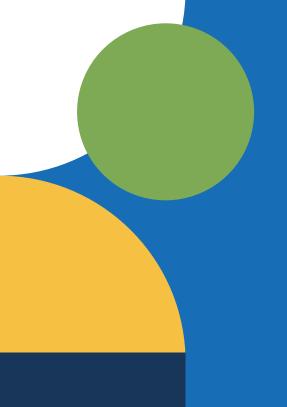


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### Overview

Online-On-Demand Training
Modern modular video courses

Virtual Interactive Tours
Immersive tour of Splash Blocks

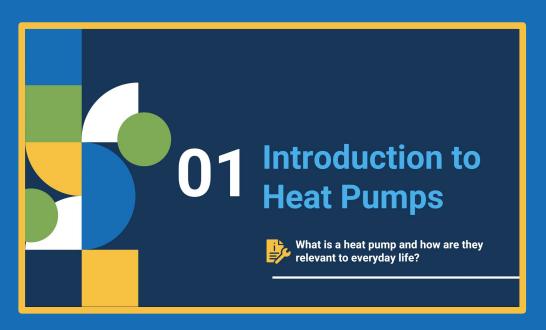
Instructor-Led Training
SME led courses





# Online On Demand Training Courses

### **Online On Demand Training**



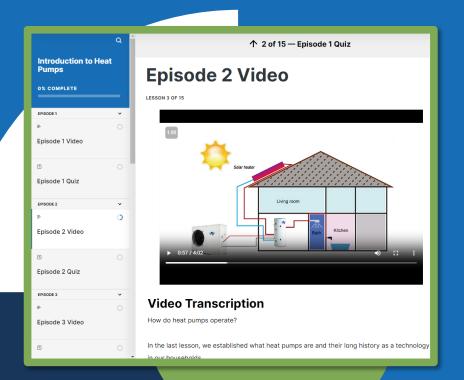
Allows users to learn at their own pace.

Designed from the start with multimedia content support in mind.

Content delivery appeals to all learning styles.



# **Online On Demand Training**









# Exploring Virtual Interactive Tours

#### **Immersive Learning:** Exploring HPWH Technology with Virtual Interactive Tours

# Distributed HPWH System HopeWorks Station Hopeworks Station Hopeworks Station

This novel design, with rooftop heat pumps and primary storage in mechanical rooms underneath, has no temperature maintenance system or hot water circulation. Instead, small SANC02 systems are distributed throughout the building, serving 4-5 apartment clusters.



# Residential HPWH Massachusetts Maderic O Mutation O

This single-family residence had an energy efficient installation of a Bradford White hybrid water heater that also dehumidifies the basement. Placed in an easily accessible corner of the basement, the HPWH replaced the inefficient oil-fired burner.



#### **Advantages of Interactive Tours**

#### Virtual Reality Learning

- Allows you to model realistic scenarios
- Train anytime anywhere
- Effective online learning experience





#### **Exploring Interactive Tours**

- Each button provides exploration through media
- Icons lead to 365° photos, videos, and diagrams
- Imbedded data and expert interviews with specialists

#### Interactive Learning

- · Individuals learn by doing
- Reinforces new concepts
- Gives learners a chance to absorb information from a different perspective





This system uses a Steffes skid-mounted package with Mitsubishi QAHV heat pump, primary hot water storage, and control system. The system uses CO2 refrigerant, ideally suited for outdoor installations in cooler climates. The value of the skid is that all equipment is plumbed, housed and ready for hook-up on site.





underground garage, this CHPWH design ensures the system functions reliably year-round with an average COP of 3.3. The plant has two Colmac single-pass CxA-15 heat pumps, one Colmac multi-pass CxV-5 HP for dedicated reheating for the temperature maintenance system.



# **Central Heat Pump Water Heater Overview**

Explore the advancements in central heat pump water heating (CHPWH) technology. Industry leaders and engineers have forged the way, developing energy efficient water heating solutions. Take a look at ambitious projects using cutting-edge technology and the people who are helping to lead innovation.



System





**Applications** 



**Delivery Method** 





### **CHPWH Overview Virtual Tour**







# Splash Blocks Virtual Tour

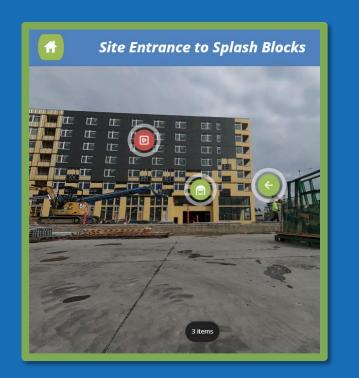








# **Splash Blocks Virtual Tour**









# 03 Instructor-Led Live Training

### Instructor Led Trainings



Overview of HPWH design, operation, maintenance, and data collection

Deep dive into the function of each component

Direct interaction between the instructor and leaners





## **Key Takeaways**

Online-On-Demand Training
Modern modular video courses

Virtual Interactive Tours
Immersive tour of Splash Blocks

Instructor-Led Training
SME led courses





# **THANKS**

Do you have any questions?

Contact Us

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