

## ***Zone Pressure Diagnostics (ZPD)***

**BPI CEU's:** 3.25

**Prerequisites:** None

### **Description:**

This one-day class is intended to provide participants with a better understanding of building operational characteristics and show how zone pressure diagnostics (ZPD) can be a valuable aid in evaluation of a structure. Pressure diagnostics can help in determining primary and secondary air boundary locations, connection of interior to exterior spaces – including garages, target leakage areas for air sealing, pressure imbalances in the building or even duct leakage. They are also valuable from a Quality Control perspective and can offer validation to workers that progress is being made. This is important because air leakage and what we do about it can have a huge impact on indoor air quality (IAQ) and health and safety (H&S), building durability, comfort, and energy savings. The goal is to show that ZPD testing is easy to do and a valuable addition to your toolbox.

### **Learning objectives:**

By attending this session, participants will be able to:

- Estimate connectivity between interior and exterior zones
- Determine the alignment of pressure and thermal boundaries
- Estimate hole size ratios in primary versus secondary pressure boundaries
- Interpret pressure pan readings for duct sealing opportunities
- Identify main body, duct zone and room pressure imbalances due to air-handler operation
- Interpret zone pressure diagnostic test results
- Use Advanced zone pressure diagnostics for more specific information for leakage sites
- Assess the potential for health and safety, building durability, comfort or efficiency issues