



Heat Pump Application in Existing Buildings (SPACES)

What's in it for attendees?

This presentation aims to give attendees a basic understanding of heat pumps, discussing in detail how they operate, and what factors attendees should consider as the government pushes local authorities to replace gas boilers with heat pumps.

What issues does the CPD cover?

- How heat pumps operate, including the components within heat pumps
- Space requirements for heat pumps
- How COP can be calculated, and what impacts the COP of heat pumps
- The cost and efficiency associated with operating a heat pump at different temperatures
- Understanding SCOP
- Understand other factors affecting heat pumps, including
 - Operating temperatures
 - Domestic hot water
 - Constant and variable volume systems
- How hybrid plant rooms can increase heat pump efficiency
- The costs associated with hybrid plant rooms

We also aim to address frequently asked questions, such as the high cost of operating heat pumps in comparison to traditional schemes, space considerations for operation and maintenance, reducing heat load in existing buildings, and combining heat pumps with other renewable technologies.

What is the format for the seminar?

SAV seminars are informal, and questions are welcomed at any stage from attendees.