

## CPD

### EFFICIENT COOLING & HEAT RECOVERY WITH MAGNETIC-BEARING COMPRESSOR CHILLERS

#### COURSE OUTLINE

This course provides an overview of the refrigeration cycle and the advantages of magnetic-bearing chiller compressors. The use of oil-free compressors with non-contact magnetic levitation bearings results in higher efficiencies, less complexity and reduced chiller maintenance. With reduced refrigerant capacities, these chillers are sustainable and are available in a selection of future-proof refrigerants. This course includes examples of installed and operating projects and their savings achieved. It aims to highlight the most energy-efficient water-cooled and air-cooled chillers available today - chillers that are not only efficient at cooling but can also be converted to heat pumps!

#### COURSE CONTENT

1. Refrigeration Overview
2. Magnetic-Bearing Compressors
3. Air-cooled Chiller Components
4. Water-cooled Chiller Components
5. Remote Monitoring
6. Heat Recovery
7. Benefits of Magnetic-Bearing Chillers
8. Installed & Operating Projects

