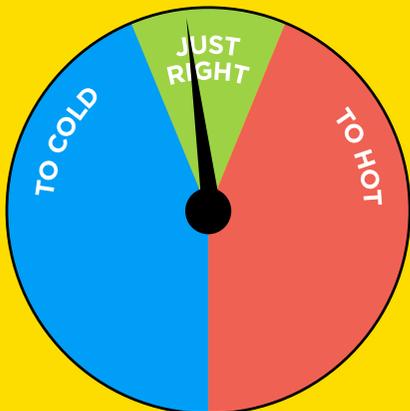


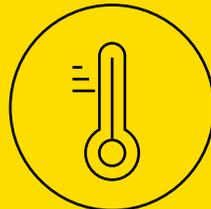
Background

- The Group invested in Building Management Systems (BMS) for over 370 of our highest energy consuming stores. BMS enables remote monitoring, adjustment, and reduction of energy-consuming assets. ‘Quick-fixes’ to equipment and temperature errors reduces energy wastage, and further reduces Group CO2 impact.
- An established ‘retail norm’ is that stores with BMS have a higher temperature set point in Winter and a lower set point in Summer. This assumption is valid for some locations, but not where locations are condensed (e.g. shopping centres) and when customers are wearing seasonal coats.



A small change makes a BIG difference

- Using CIBSE (Chartered Institute of Building Service Engineers) and Carbon Trust guidelines, the JD Energy and Environment team identified an opportunity to challenge legacy practices via lowering temperature set points in Winter, with small increases in Summer months.
- Allowing a small upwards adjustment in Summer months helps to reduce the usage of high-energy use assets such as air conditioning units.



Temperature



AC Optimiser

- Our structured temperature set point changes were made in Spring/Summer 2019 (BMS stores). Wide-scale reductions in temperature were then enacted during Autumn/Winter 2019/2020 to further enhance customer experience whilst reducing energy and carbon usage.

Key Achievements

- Our Building Management System enabled locations already deliver average energy and carbon savings of 13.1% (versus same store usage prior to BMS installation).
- Further energy and carbon savings of almost 5%, have been achieved by making our temperature set point changes, reducing annual electricity consumption by 2.3 GWh- the equivalent of 584 tonnes CO2 of carbon reduction.



Next Steps for Seasonal Energy Management

- The Group is currently trialling pro-active methods to minimise the energy usage impact of any major temperature changes during heatwaves or colder seasonal ‘drops’.



- Due to the enhanced control and positive impacts achieved to date, the Group shall also continue to invest in Building Management Systems for all suitable retail and operational locations.

“JD Sports is a very pro-active customer when it comes to energy and carbon reduction. Most recently, this has been emphasised by its ‘flipping’ of seasonal building control practices to achieve large-scale energy usage reductions. Working on this project quickly demonstrated to us all the benefits of smarter BMS temperature control. Breathe Connect is proud to have been working with JD Sports since 2012, helping to reduce carbon emissions, energy consumption and overall environmental impact.”

Dave Derbyshire,
Energy Bureau Manager
Breathe Connect

