

British Telecom - Doncaster Call Centre



BT installed 64 Airius model 45 fan units into their Doncaster call centre to improve comfort levels, increase staff productivity and save on energy costs.

This performance report shows that with the Airius destratification system temperatures are an average of 2.9°C higher at floor level, compared to the HVAC system working alone.



Key Points:

- **2.9°C - Temp increase at floor level**
- **System = 64 x Model 45/PS-4's**
- **£1,490 = Annual running costs**
- **21.0°C - mean temp - Airius system off**
- **23.9°C - mean temp - Airius system on**

This is achieved by recirculating the warm air that accumulates at ceiling level above the HVAC air intake. This will also reduce the buildings overall heat loss.

The results of this tell us that the thermostat can now be reduced by approximately 3°C to achieve the originally set conditions, thus reducing overall energy consumption and carbon emissions.



Floor Level Temperatures

