

# Imagination Data Centre



**Project:**  
Imagination Data  
Centre

**Location:**  
Hemel Hempstead

**M&E Contractor:**  
Derry Building  
Services

**Completion:**  
June 2013



This new Data Centre was constructed for Imagination Technologies Ltd - a global leader in multimedia and communication technology. It houses up to 116 individual racks and a number of emulator test-beds.

The *TREND* Building Energy Management System (BEMS) controls all of the heating, ventilation, air conditioning and domestic services. Chillers and Computer Room Air Conditioning Units (CRACs) are integrated via Modbus networks and *TREND TONN* interfaces.

When external conditions allow, free-cooling is utilised, which gives a very low Power Usage Effectiveness (PUE) of 1.6. This is calculated by monitoring all of the Modbus electric meters, with live values and historic logging available to the client.