



## RE:FIT Projects Tranche 1: Robinson Pool – Heating/Cooling Component Insulation



### **Background to the RE:FIT programme**

Bedford Borough Council is working in partnership with Mitie to install a series of energy conservation measures and renewable energy technologies in a number of Council buildings. Mitie guarantees the energy and carbon savings to be achieved over the lifetime of the energy performance contract.

One of the sites in Tranche 1 of the RE:FIT programme is Robinson Pool.

### **Project Details and Savings**

Exposed heating system components act as heat emitters, releasing uncontrolled waste heat to otherwise unheated spaces such as plant room areas. Typically exposed components include valves, pipe work, buffer vessels and heat exchangers. Mitie inspected Robinson Pool and identified 5 metres worth of un-insulated pipe work and 138 exposed components.



## **RE:FIT Projects Tranche 1:**

### **Robinson Pool – Heating/Cooling Component Insulation**

Insulating exposed heating components will reduce unwanted heat losses from the heating and domestic hot water system. Ultimately, this will reduce the demand placed on the boiler plant, hence resulting in a reduction in annual thermal energy consumption.

The expected savings for this project are an annual thermal energy saving of 116,225kWh/annum, saving £3,791/annum and a carbon reduction of 21,339kgCO<sub>2</sub> /annum.