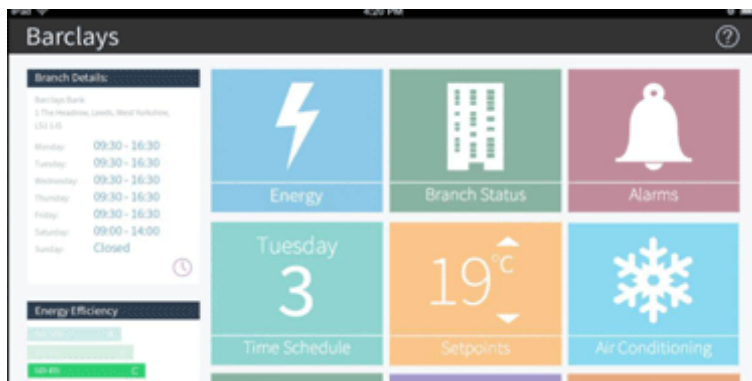




Deliver the BOCC

Building Control System Award 2015 (Winner)
Barclays Operational Control Centre (BOCC)
Barclays Bank



Barclays Engineering teamed up with Smart Buildings to develop a 'software-as-a-service' (SaAs) application that interacts with building equipment to give improved central visibility of the systems in Barclays' property portfolio. Smart Buildings developed and designed an interface to connect the existing four integration systems using a standard protocol enabling secure connectivity directly onto the network. The result is a fully interactive platform that can translate information from a building, enabling secure monitoring, management and control of equipment for an entire portfolio.

Building equipment such as boilers, lights, thermostats and critical plant can be accessed, managed and maintained via an app on a desktop, iPad or smartphone that creates a virtual operational control centre, accessible from anywhere. This minimises resource time and reduces maintenance costs and their environmental impact, as well as improving colleague and customer comfort across the portfolio.

A trial saw an average of 9% energy reduction across 12 branches, with optimal savings of up to 23% in some. Based on a conservative estimate, the annual total saving from the 12 branches will be 282,000 kWh, 127 tonnes of CO₂ and £28,000. The outcome of the trial and lessons learned helped shape the final design specification and training for service engineers, and a branch-wide roll out over 1,200 branches began in January 2014. Based on more than 110,000 calls per annum across the UK portfolio, resource time saving is estimated at 49%, with a reduction of 14,400 hours per annum. Using the nearest right skilled engineer, over 6,400 hours and approximately 128,700 miles can be avoided, along with the associated costs, equivalent to 31.6 ktonnes of CO₂.