

# CASE STUDY NPOWER



## HEADLINES

MANAGED

from design stage to final handover

AUDITED

existing performance and addressed inefficiencies

BESPOKE

air conditioning for specific areas: office, kitchen, washrooms

MONITORING

performance to maintain high efficiencies all year round

2,815 SQM

of exposed services in the open ceiling void



## KEY FACTS

Project title: Npower office refurbishment  
 Services: Design, installation and compliance  
 Client: Npower  
 Location: Leeds

Contactor: Caddick Construction  
 G&H divisions: Air Conditioning

# CASE STUDY HOW WE DID IT



This scheme saw the design, relocation and installation of air conditioning systems at two adjacent Npower sites in Seacroft, Leeds; an existing three-storey office block and the conversion of a 2,815 sqm derelict building called the Meter Station.



In the existing office block, there was an important health and safety consideration for us to manage as our installation took place while Npower staff remained working in the building. We worked considerably with the main contractor, Caddick Construction, and other trades on-site to ensure it passed without incident or disruption.



Our work saw us install a Mitsubishi split system in a new meeting room on the second floor, relocate nine fan coils to better suit the revised office layout and add an extra cassette unit on an existing Hitachi VRV for two new meeting rooms that had been created in the Hockney Suite on the ground floor. Refrigerant gas was removed and we fully re-commissioned the systems.

We were presented with an exposed 2,815 sqm ceiling void meaning M&E equipment is on permanent display so great care was taken to ensure the installation was exact and cabling symmetrical.

To provide the best environment for Npower's staff to work in, we made sure the air conditioning units are as quiet as possible especially as the offices are used as a call centre where communicating with customers is vital.

We selected Toshiba's new premium quality multi BC boxes which are designed to provide simultaneous heating and cooling and are specifically suited for quiet areas.

We positioned three Toshiba VRV three-pipe systems behind the walls (that separate the main area from the canteen and meeting rooms) in line with the five fan coils in the ceiling void.

We worked closely with the electrical division of our sister company,

G&H Building Services, to use one set of brackets to provide a more aesthetically pleasing finish.

The high quality installation was achieved by taking a methodical approach and continuously referencing detailed design and cross-sectional drawings.

Significant time was also spent liaising and coordinating works with Caddick Construction to ensure our work was right first time and delivered on budget.



## KEY CONTACT

Sean Dixon  
G&H Air Conditioning  
sean.dixon@ghbs.me  
0113 255 6433