

Here are a few projects we have been involved with over the last couple of years. In most cases, we provided a bespoke heating scheme which usually required a site visit. If you would like us to help with your next heating project, just give us a call.

McLaren Workshop – West Sussex

3 x Industrial Fan Heaters

2 x Destratification Units

This is a large workshop housing a spectacular array of McLaren sports cars. Three industrial fan heaters were installed to maintain a comfortable working temperature for the mechanics during working hours and a background heat to protect the valuable vehicles at other times. A provision was also made for the heaters' fans to be switched on in summer months for additional air circulation.



Two destratification units were installed to enhance economy. These devices are suspended from the roof and recirculate warm air that would otherwise accumulate at high level. It is estimated that the use of destratification units reduces heating bills by approximately 30%.



Pinhole Quilting Training Centre

6 x 4.5kW Halogen Heaters (Magic Lamp)

Pinhole Quilting is a Worcester based company offering training courses in the use of complex industrial sewing machines. Their training building is very large and only used intermittently, making conventional space heating unrealistic.

As an alternative, BN Thermic recommended halogen heaters which provide direct comfort heat without the need for significant preheating.



The halogen heaters were suspended at high level and arranged in an evenly distributed grid.



When using an industrial sewing machine, it is vital that the operator can accurately match colours of fabrics and threads. For this reason, halogen heaters from BN Thermic's Magic Lamp range were selected. These heaters provide all the performance associated with a conventional halogen heater but without the familiar red glow.

CASE STUDIES - Continued

St James Church, Egerton, Kent

45 x Pew Heaters

4 x 4.5kW Halogen Heaters (Magic Lamp)

1 x 6kW Overdoor Heater

St James had all the classic characteristics of an old church building – high ceilings, intermittent use and poor insulation, meaning a traditional space heating system would be impractical.

After carrying out a survey, a BN Thermic engineer specified a mixture of under pew heaters, to heat the seated congregation, and infrared quartz halogen heaters for the more open areas.

Both these systems provide virtually instant, direct heat meaning that significant preheating is not required and running costs are kept to a minimum.

BN Thermic has considerable experience in heating churches and chapels and offers a free of charge design service.



Shelley Thermoformers International Workshop

1 x 25kW Industrial Fan Heater

1 x Destratification Unit



This was a classic industrial project where fan heaters and destratification units work together to heat a building and keep running costs to a minimum.

At Shelley's Workshop in Huntingdon a single 25kW industrial fan heater was sufficient to create a comfortable working environment, however a destratification unit was required to keep operating costs as low as possible.

The concept behind a destratification unit is very simple. As we all know, hot air rises and will naturally accumulate at the high level. This accumulated warm air is expensive to heat and serves no useful purpose. A destratification unit, suspended from the roof, will automatically detect a rise in air temperature and, using its powerful, fan return the air to low level.

Walsham Village Hall, Suffolk

7 x 1.8kW Radiant Cassettes

Walsham Village Hall recently underwent a major refurb and BN Thermic were called in to design a new heating system. The hall was previously heated by inefficient, seventies manufactured, silica heaters, and they were looking for something more economical and modern looking.

We specified 7 x 1.8kW radiant cassettes to be controlled via a tamperproof thermostat ensuring running costs were kept to a minimum. The heaters free up wall space for activities and provide radiant comfort heat with no light, noise or draught output.



St Giles Church - Medbourne

17 x 3kW Halogen Heaters

Direct heating was provided by 17 halogen heaters mounted at 3m above floor level. Because halogen heaters are instantly effective, virtually no pre-heating is required and heating costs have been kept to an absolute minimum.



For this type of project, heater selection and positioning are of paramount importance. BN Thermic engineers are always available to discuss your requirements

The Original Factory Shop – Llandudno Bay

11 x 4.5kW Surface Mount Ceiling Fan Heaters

6 x 4.5kW Ceiling Grid Fan Heaters

1 x 6kW Overdoor Heater

Ceiling heaters were selected for this large two-story retail unit, allowing free use of floor and wall space. Where a suspended ceiling had been installed, the heaters could be mounted into the ceiling grid itself. In other areas, we used low-profile surface-mount heaters.



The scheme was completed with a 6kW overdoor heater to provide a warm welcome for customers



CASE STUDIES - Continued

Bedford Timber Supplies Showroom

6 x 3kW Radiant Cassettes

1 x 13.5kW Commercial Air Curtain

The owners at Bedford Timber Supplies have spared no expense in creating a sophisticated, modern environment in their recently refurbished showroom. It was therefore essential that the heating system not in any way detract from their customers' experience.

BN Thermic suggested that six radiant cassettes were suspended at high level in an evenly distributed grid. Not only did these stylish heaters look the part but also provided an economic means of heating a large space without noise, draught or light output.



Whilst the radiant cassettes provided the main source of heat, they were augmented by a commercial air curtain which created an invisible barrier across the entrance preventing valuable warm air from escaping.

Joules Distribution Centre - Corby

53 x 1.5kW halogen Heaters (Magic Lamp)



This distribution centre is far too large to consider installing a conventional heating system. However, there was a requirement to provide instant, direct heat to 53 individual packing stations. BN Thermic surveyed the site and recommended 1.5kW halogen heaters using the latest Magic Lamp technology. These heaters provide all the performance associated with conventional halogen heaters but with the light output reduced to a barely discernible glimmer.



Waterloo Station - London

23 x 'All Black' Radiant Heaters

The new restaurant and bar facility at Waterloo Station is very stylish and the heaters installed above tables and counters had to match the décor. The sleek modern lines of our 'all black' radiant heaters fitted the bill perfectly.



Village Hall - Farnham

4 x 2.4kW Radiant Cassettes

Radiant cassettes are generally our preferred method of heating village halls and community halls. Their high mounting position allows free use of wall and floor space whilst their noise and draught free operation ensures that the heaters will not interfere with activities such as meetings and coffee mornings. Farnham Village Hall has a fairly low ceiling, allowing the cassettes to be ceiling mounted. In halls with higher ceilings, cassettes are often suspended.

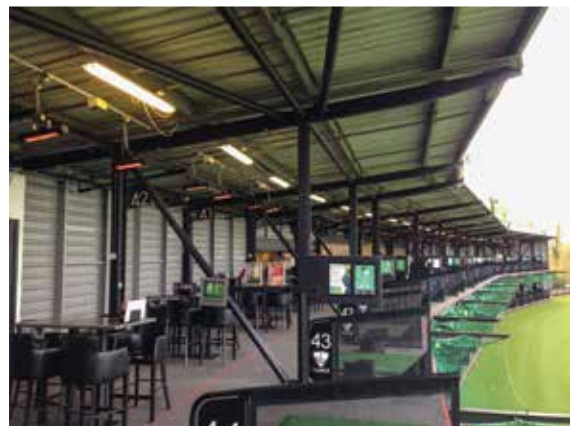
For optimum comfort and economy, the correct selection and positioning of radiant cassettes is critical. As was the case at Farnham, a BN Thermic engineer is always available to carry out a free of charge and 'no obligation' survey.

Top Golf - Watford

86 x 2kW Black Patio Heaters

Top Golf is a terrific facility combining a golf driving range and a lively bar and restaurant. As the golfers wait for their turn to have a few swings, they sit at a high table enjoying waitress service from the bar.

Our job was to provide comfort heating that would be effective even on the chilliest of evening. This was achieved by mounting a 2kW patio heater either side of each table. The heaters are fully effective even on a breezy night and economy is ensured by means of time delay control.



CASE STUDIES - Continued

Bourne House (Serviced and Managed Offices) - Whyteleafe

4 x 1.5kW Silver Patio Heaters

30m² Snow and Ice Meting Cable

Bourne House recently underwent a major renovation, with work carried out to the very highest standard. Our part in this renovation was to provide heating for an outdoor meeting and smoking area.

We specified and supplied heating cable to be installed under the paving slabs. The cable is automatically switched on when there is a risk of snow or ice accumulation thus ensuring safe underfoot conditions.

BN Thermic patio heaters were also installed. These stylish silver heaters match the décor of the area perfectly and provide instant, direct heat. The heaters are controlled by movement sensors which keep running costs to a minimum.



Spencer Squash Club - Wandsworth

4 x 3.6kW Radiant Cassettes



This is a friendly and well-run squash club in South London. The club management contacted us to discuss an economic means of heating their two courts which would not interfere with squash matches or other activities such as mother and toddler groups. We recommended our radiant cassettes. These heaters are mounted at high level and operate silently. They do not produce light output or draughts and are easy to control with a programmable thermostat.

School of Dance – Croxley

4 x 4.5kW Halogen Heaters

1 x Control Panel

Because this relatively large rehearsal space is only used intermittently, conventional space heating was considered to be uneconomic. As an alternative, the school directors were looking for a system that would be instantly effective thus eliminating the need for pre-heating.



The solution was to suspend a grid of four halogen heater from the ceiling. The positioning of the heaters was carefully considered to ensure an even distribution of the radiant effect and control was provided by BN Thermic's MC1 control panel which provides an easy means of adjusting heat intensity.

Wagner Hall Theatre - Brighton

9 x 3kW Radiant Cassettes



A theatre requires a heating system that is fast acting but does not in any way interfere with performances. This means that heaters producing noise or light are specifically excluded. At Wagner Hall, we designed a scheme using a grid of six radiant cassettes mounted onto cross beams at high level, augmented by a run of three heaters mounted onto the rear wall using angle-adjustable brackets.

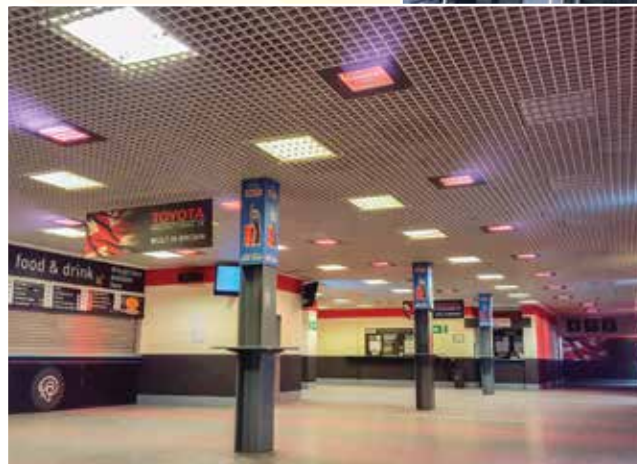


Derby County FC

60 x 3kW Halogen Heaters 10 x Control Panels

The management at Derby County were aware that sales from their concourse concessions were suffering because the areas were too cold during the winter months. The concourses are open to the pitch and to the outside world meaning that conventional space heating was impractical.

The solution was to provide a grid of halogen heaters at high level, providing instant, direct heat to the Pride Park faithful. A control system was also devised which allowed the stadium manager to adjust heating levels.



The Rural Auction Centre Showroom

7 x 6kW SystemX Ceiling Fan Heaters

When a BN Thermic engineer arrived at the Rural Auction Centre in picturesque Cumbria, the need for an enhanced heating system was immediately obvious. The outside temperature was hovering around zero and, if anything, the temperature in the showroom was even lower!

The requirement was to provide a warm environment for customers browsing antiques whilst allowing for a completely flexible use of floor and wall space.

The solution was to install 6kW ceiling mounted fan heaters from BN Thermic's SystemX range. SystemX allows a group of heaters to be controlled from a single point with all control connections made using Cat5 cable. This approach not only provides effective and efficient heating, but also keeps installation time to an absolute minimum. Just connect power to each of the heaters and



then click – click – click and the installation is complete.

We are pleased to report that on a later visit to the Auction Centre the temperature on the Cumbrian hills was still close to zero but the customers in the showroom were nice and warm!