AN NHS FOUNDATION TRUST HOSPITAL

SUTTON, SURREY

Dextra LIGHTING

ABOUT THE CLIENT

This NHS Foundation Trust Hospital is a leader in the field of cancer treatment and research in the UK, providing inpatient day care, outpatient services for all cancers as well as having a pioneering and innovative approach to cancer nursing, treatment and drug development.

It was the first hospital in the world dedicated to cancer, and its unique relationship with The Institute of Cancer Research aids the development of new treatments and brings benefits to patients quickly. It has a holistic care programme from diagnosis to treatment to recovery or palliative care, offers pastoral and psychological care for patients and relatives, has a team of highly-skilled and dedicated staff as well as a specialist research centre with the largest drugs trials unit in Europe. It also offers training and education for cancer nurses, oncologists and GPs.

As well as its main hospital in central London, the NHS Trust has a dedicated hospital in Sutton, Surrey which includes several wards and units, outpatient and inpatient services as well rapid assessment suites and the Oak Centre for Children and Young People.

The NHS Trust was very keen to reduce energy consumption in the hospital to help meet the objectives in its environmental policies as well as reducing the associated running and maintenance costs.

As a result, Dextra had been working with the Trust's Energy Manager. It was tasked with surveying different areas of the hospital to upgrade the current lighting to LED with a view to helping save the hospital money through direct savings and also efficiencies.

The Energy Manager was happy with the results of the surveys and the savings he could obtain by implementing some of the recommendations in them. As a result, there is now an on-going working relationship between the NHS Trust and Dextra, with further work to complete in the future when funding becomes available.

The NHS Trust had already upgraded some of the hospital's car park lighting to LED but due to the increased amount of work Dextra had taken on and the success of those projects, the Energy Manager asked Dextra to provide a solution for the fittings that had not been upgraded to LED.

Dextra reviewed the fittings upgraded already and identified they were returning quite expensive running costs, so managed to offer significant energy savings at a competitive price for the hospital. With tight budgets and costs savings in mind, a five-year payback period was requested.

THE SOLUTION

Dextra offered its Opus Column fitting in black, which is not a standard colour, as 46 fittings needed to be ordered to fit in with existing upgraded fittings and columns in the hospital's main car park.

Quick and simple installation is central to the design ethos of the Opus Column to ensure minimum installation costs and to maximise return on investment. The spigot is adjustable for both horizontal and vertical mounting and can be easily adjusted in five degree increments to achieve the required angle. All luminaires are supplied prewired with a 10M cable to allow for electrical connection at the base of the column and the control gear access hatch has an automatic disconnect feature allowing individual luminaires to be maintained without the need to isolate entire circuits. An optional NEMA socket is available with this range allowing for the addition of photocells or wireless control systems.

The Opus Column is an architecturally designed LED column top luminaire ideally suited to applications such as car parks and building exteriors. An IP65 rated die cast aluminium housing, weather resistant matt grey paint finish and toughened glass cover ensure that this range is suitable for use in a wide range of applications, whilst optical control is achieved through high efficiency lenses which give a range of distributions allowing the luminaire to be tailored to your application and maximise spacings between columns.

The project was successful in delivering the objectives of the NHS Trust especially in helping it achieve its aims to consistently improve its environmental credentials.

Dextra managed to help it significantly reduce its energy costs and a saving of 71% equating to £2,880 per year was achieved. As well as this, a capital cost payback of under five years was also realised, meaning an impressive return on investment could be delivered.

FEATURED PRODUCTS

OPUS COLUMN

Overview: The Opus Column is the successor to our highly successful Impervia LED Column range.

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