

SPA QUALITY

Two products from acdc Lighting's range have been installed in a new spa building in Lancashire.

Set in 100 acres of unspoilt woodland near to Burnley, Crow Wood Leisure and Equestrian Centre is a private members' fitness centre. In February 2013, it opened its doors to The Woodlands Spa, a new £4m privately owned luxury day spa with treatment rooms, 25m pool, and jacuzzi, sauna and steam room.



Pettit Singleton Associates was tasked with providing a lighting scheme which offered a high end atmosphere throughout. It needed to be fully controllable for different scene settings, with the light output providing some interest to the overall scene. The lighting in the corridors and treatment rooms also had to be sufficient but indirect, in keeping with the theme.

acdc worked closely with G McGuigan Building Contractors and Pettit Singleton Associates to find the best solution.

Storm, a miniature dimmable fixed LED downlight was selected for its minimal trim and smooth beam pattern, which provided a healthy scallop down the wall with clean crisp lines whilst giving a usable output.

Arena, with its narrow beam angle, was selected to provide detailed accent lighting to certain areas of the spa, including the corridors and treatment rooms.

RAIL LINKS

Network Rail has installed an advanced SPECS3 lighting controls system from Simmtronic to gain the maximum energy saving and lighting management flexibility at its recently opened national centre in Milton Keynes.

Known as 'The Quadrant: MK', the 400,000ft² building brings over 3,000 people from across the country under one glazed roof, creating a new centre for Britain's railway operations. Simmtronic has helped the organisation to create one of the UK's most innovative and stimulating working environments, where the various departments work within an inner and an outer atrium with generously proportioned meeting and breakout facilities to encourage maximum collaboration.

This progressive design ethos, projected by Network Rail Management and architects GMW, has been conducive in achieving an excellent BREEAM rating for energy efficiency.

The scheme uses DALI dimming technology to regulate the highest availability of daylight throughout the building. Careful thought was given to using the most innovative installation procedures, moving away from traditional LCM, using open ceiling design, reducing the cost of a false ceiling and getting the best value for the taxpayer.



SWEET DEAL

Cirrus luminaires from Riegens Lighting have been used to help reduce energy consumption while ensuring a high quality lit environment at Nestlé's newly extended Product Technology Centre (PTC) in York. Riegens Illusion luminaires have also been used in refurbished offices.

All of the fittings have been supplied with DALI control gear to optimise the control of the lighting.

Opened by Environment Minister David Heath, the extended research and development facility further enhances the York facility's role as a global centre of excellence in confectionery research. The expanded centre will provide opportunities for Nestlé to accommodate more staff, including apprentices and PhD graduates.

A key criterion of the brief to consulting engineers Silcock Leedham was to minimise environmental impact through the use of energy efficient building services systems. The specification of the lighting and controls played a significant role in achieving this.

The suspended Cirrus luminaires have been supplied in two configurations – stand alone using 2x28W T5 fluorescent lamps or in continuous rows of two to six fittings, each fitted with 2x54W T5 lamps.

In the refurbished office areas Riegens Illusion recessed louvre luminaires with air handling functionality (40 litres/s) have been used to create soft and uniform direct illumination.

SQUARED UP

Wila has supplied luminaires for the refurbishment of a floor in the prestigious 5 New Street Square building in the City of London as part of a Category A fit out. Working closely in conjunction with lighting designer GIA Equation, Wila was able to offer the best solution with its Avic fittings.

New Street Square is a RIBA award winning office and retail development by Land Securities with an 'Excellent' BREEAM rating. Five buildings cluster around the main square, which is softened by trees, water features and an innovative 'green wall', planted with shrubs, ferns and grasses. Over 673,820ft² of office space is divided into flexible spaces.

Lighting for this area was originally installed in 2008 using 1x21W DALI 900mm louvered air handling luminaires in continuous lines which provided an average illuminance of 400 Lux. Electrical consultant GIA Equation was employed to upgrade the lighting and replace the ceiling to provide a more modern feel. A number of luminaires were mocked up at GIA Equation's offices for consideration and the Wila solution was chosen as the preferred option fast track project.

Wila fulfilled the new solution using two 28W replacement tile Avic air handling luminaires on a 3.9m chequer board layout.



GREEN COUNCIL

With sustainability at the heart of the design of Rochdale Borough Council's new development at Number One Riverside, a Delmatic lighting control system is playing a key role in minimising energy consumption and carbon emissions.

Number One Riverside comprises two S shaped six storey buildings joined by an atrium with link bridges at every level. When complete it will bring together around 2,000 council staff from more than 30 buildings, saving over £28m in ongoing maintenance costs. It is also designed to reduce the council's carbon footprint through a number of energy saving and other sustainability measures.

The lighting, for example, is linked to a Delmatic DALI bus wire lighting control system linked to a central PC. Full emergency testing and monitoring is also provided throughout.

The lighting in all internal and external areas is addressable and the lighting is controlled in relation to daylight, presence and absence. This high level of addressability within the system has enabled the designers to establish control parameters that best suit the design and usage of each space. The dimming function is also being used to provide various design illuminance levels in different areas, depending on the activities within each.

GOLD INVESTMENT

An energy efficient lighting solution by Dextra Lighting installed at the Gold Corner Pumping Station, which sits on the Huntspill River in Somerset, has saved the client in excess of £2,000 per annum in reduced energy usage.

It has also created a much more effective LED office lighting and industrial LED lighting solution, with increased lux levels across all areas of the site.

Dextra Lighting's high performing Hydra LED luminaires have been installed throughout the pumping system. The Hydra LED is one of a number of LED ceiling lighting products that utilise the latest LED Line cards from Philips.

Within the offices Dextra Lighting has introduced the Graduate (GRD) LED. A functional LED office lighting solution, the GRD LED has introduced increased lux levels for a much improved working environment when compared with the 2x70W T8 battens which previously lit the entire site.

