NCS TECHNOLOGY
for the next generation

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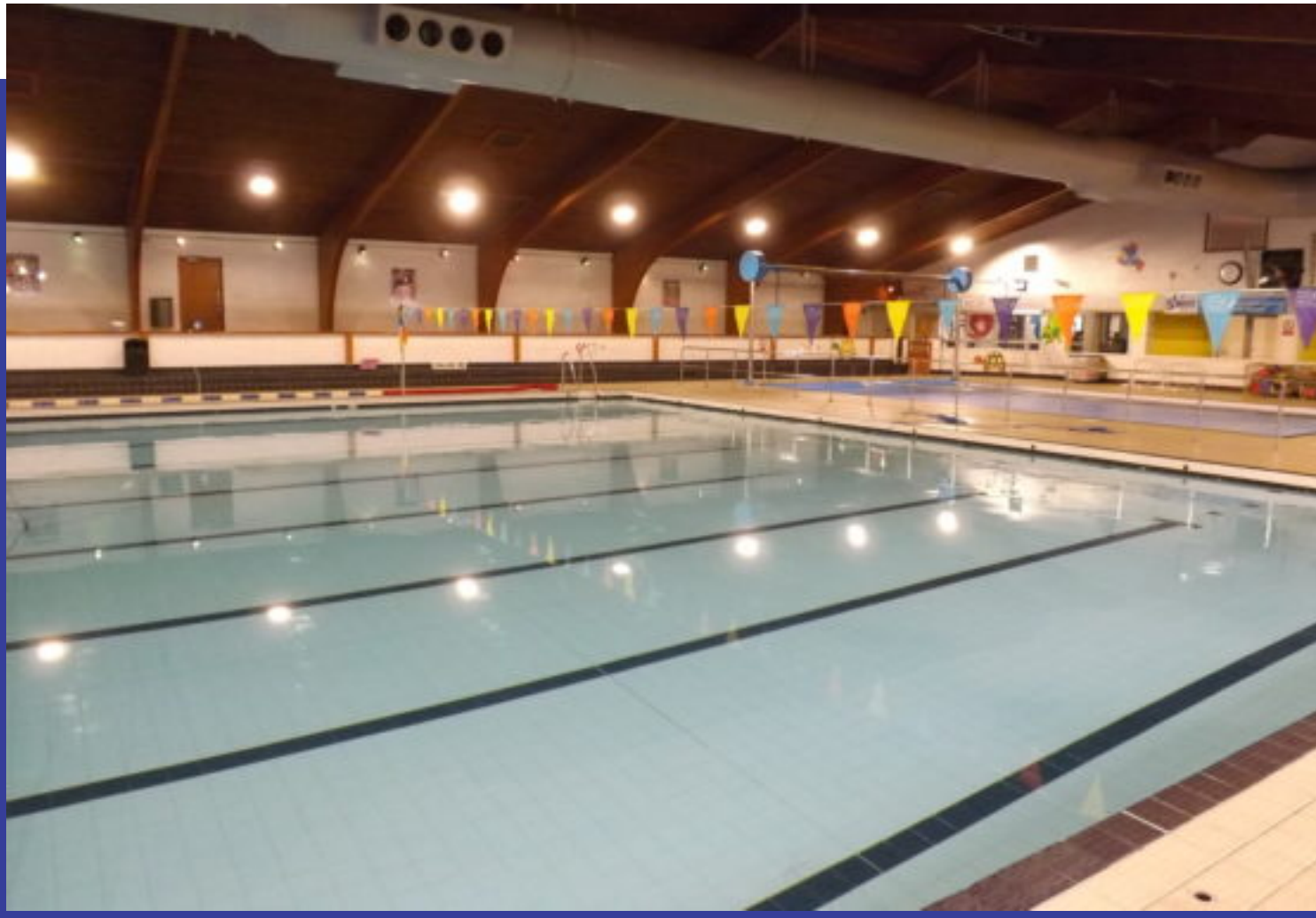

LED LIGHTING UPGRADE

Strood Leisure Centre

Strood Leisure Centre

The Brief

Medway Council wanted to improve the lighting at Strood Sports¡Centre. The brief was to improve lighting across the leisure centre, including the swimming pool, hydrotherapy pools, changing rooms, corridors and sports hall. This ranged from installing new panel lights in corridors, updating the floodlights in the pools and replacing the tubes in the changing areas. The main pool was lit with traditional flood lights with light levels as low as 20 lux, making it gloomy and unwelcoming for swimmers. The ceiling also has dark wood panelling that absorbed the majority of the light.

The LED lighting upgrade has transformed dark, uninviting spaces into a bright and attractive leisure centre.¡ In addition, the solutions installed have created significant energy and financial savings.

75% reduction in energy use and costs

Daylight harvesting and motion sensor controls on each unit allow light levels to be maintained, whilst reducing power consumption and maximising the projected life of each unit, cutting the cost of maintenance and replacement. The LED lighting upgrade at the leisure centre has resulted in an overall reduction in energy use of 75%.

- Low power consumption – reduced energy bills, reduced CO2
- Long life, reduced maintenance costs – low running costs
- Excellent colour rendering – improved safety

The Solution

Working with leading UK LED lighting manufacturers¡Earlsmann, NCS Technology replaced the pool lighting with 130Watt¡CREE 304 series LED lights, with¡a 4000K colour temperature to make it brighter and more invigorating. As the lighting could only be mounted at 3.5m the CREE lens and beam achieved good uniformity over the entire pool area. For the hydrotherapy pool, the inefficient, fluorescent fittings were replaced with 5000K LED non-corrosives.

In the sports hall, the CREE 304 series LED canopy light was installed and fitted with daylight harvesting sensors. The lens was modified to ensure it was suitable for use directly above the playing area.

To provide effective lighting across the centre's corridors, Earlsmann designed 600mm LED panels to replace 2x26W downlights, ensuring a bright, modern environment for staff and users.

Benefits

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Get in touch to discuss your LED Lighting needs on 01622 769692 or email info@ncstechnology.co.uk