

SPORTS PROJECT CASE STUDY

Harrogate Hockey Club



About Harrogate Hockey Club

With over 100 years of history behind it, Harrogate is one of England's longest running hockey clubs. With six men's and seven ladies teams, both of its first teams play in the North Premier Division. The club also has an active and highly successful Juniors section.

A brand new lighting system for one of the country's oldest hockey clubs

When a lighting solution begins to show its age, there's more at stake than just the standard of illumination. Outdated systems – particularly metal halide ones – can also be extremely inefficient, using up more power and more money to generate the same amount of light as a modern solution. And that's before ongoing maintenance costs come into play.

These were the exact issues behind Harrogate Hockey Club's decision to replace its own floodlights. Its existing luminaires had not only started to struggle in terms of lighting quality – coming increasingly close to dipping below recommended levels – but running costs had begun to mount up as well. Hosting hundreds of hours of hockey on an annual basis, the club needed a high quality solution that could help to bring down the day-to-day expense of lighting its pitch.

Significant savings, starting straight away

Introduced to the club via its partnership with England Hockey, Midstream got to work on designing a cost efficient solution. With the club's eight masts in good condition, the recommendation was made to opt for a retrofit approach, ensuring that the only cost to the club would be the new luminaires themselves. These took the shape of Midstream's Modus S Series – a powerful but highly efficient model that is perfectly suited for sports of all kinds.



Each of the Modus S units run at 1.18kw, a significant reduction over the club's previous lights, which were drawing power at a rate of around 2.3kw. Based on an average per kilowatt hour cost of 20 pence, and extrapolated over the club's 800 hours of play time in an average year, the new system effectively halves Harrogate's annual lighting bill – a reduction of almost £5,000 a year on running costs alone.

With maintenance costs factored in, an expense that is no longer necessary thanks to Midstream's standard 10 year guarantee, the club's annual savings could actually be in excess of £6,000. In real terms, that means that Harrogate's new lighting system should start to deliver a return on investment in less than four years.

Better lighting, lower costs, and rapid payback – that's the Midstream way.



Products and services provided:

- Design, manufacture, and installation of a retrofit LED lighting solution.
- Supply of 20 Modus S Series luminaires.

Key achievements:

- Light levels increased across the ground.
- High lighting uniformity.
- Energy reductions of around 50%.
- Significant power and maintenance cost savings.
- Complete compliance with all Football Association lighting requirements.

In the customer's own words:

“I would have no hesitation in recommending Midstream to any fellow hockey clubs looking to upgrade their lighting for a much more modern and efficient system.”

Josh Lyon, Men's Club Captain and Pitch Chairman – Harrogate Hockey Club