



EQUANS DESTINATION ZERO

Sustainable solutions for net zero stadiums and venues



WHAT IS DESTINATION ZERO?

The government has set a target for the UK to reach net zero carbon emissions by 2050. Large sports stadia and events venues face particular challenges in achieving net zero emissions across their operations.

Sports stadia are vast structures that are challenging to heat and cool efficiently. They experience huge fluctuations in energy consumption, in line with occupancy patterns. During matches, concerts or events, occupancy levels and energy consumption are at a peak, while for long periods buildings are virtually empty – yet still require heating and lighting.

Sporting bodies, performers and the public increasingly expect venues to be operated sustainably. However, this must be balanced with the need to maintain a

comfortable, open and welcoming public realm. Many older venues are especially difficult to operate efficiently, and listed status can restrict the scope for modification.

Another challenge is finance. The sports and entertainment sectors were among the hardest hit by Covid-19, so funding for decarbonisation projects is in short supply. Add to this the often complex ownership structures for these venues, and access to funding becomes even more problematic.

With so many challenges to overcome, stadia and event venue operators urgently need specialist help to fulfil their decarbonisation objectives. Destination Zero is the innovative carbon-reduction solution offered by EQUANS to help sports and entertainment venues meet challenging net zero targets.

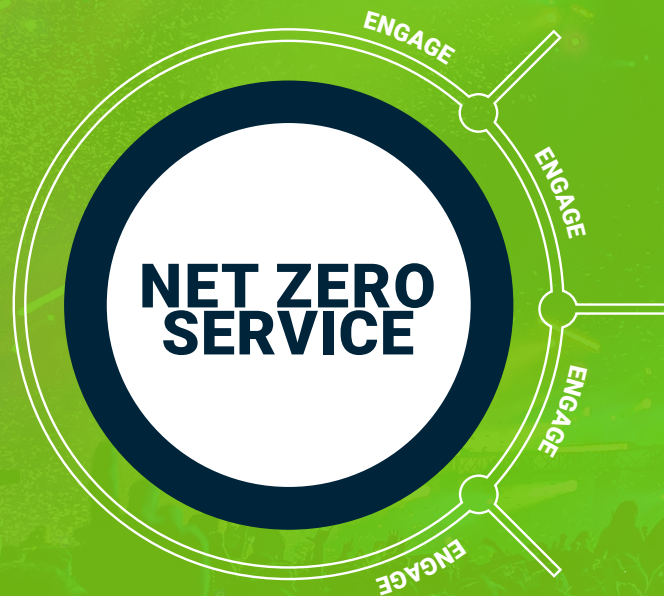
Through Destination Zero, we combine our sustainable energy expertise with our facilities management capabilities to help organisations save energy, increase sustainability and cut carbon emissions.

We follow a tried and tested process that involves first benchmarking current emissions, then planning comprehensive decarbonisation measures and investments, before implementing effective actions over the long-term to reach the ultimate net zero goal.



HOW DOES THE **PROCESS WORK?**

We follow the PAS 2060 framework approach to decarbonisation, which involves analysing emissions, developing fully costed plans, and implementing targeted solutions to achieve net zero carbon.



CLICK ON THE BLUE AREAS TO READ ABOUT EACH STAGE OF THE PROCESS



HOW DO WE DELIVER NET ZERO CARBON?

Achieving net zero carbon requires a coordinated programme of actions to tackle the sources of carbon emissions across your venues and supply chain.

In partnership with you, we adapt your premises and assets, refine your operational processes and introduce sustainable sourcing. We determine the optimum approach and implement a manageable programme for your stadium or venue.

Decarbonising involves initially maximising energy efficiency, without compromising the delivery of your events and services. Where possible, we replace existing equipment and assets with more energy-efficient versions. We also look at energy sourcing, helping you procure electricity from renewable generators, or installing on-site renewable generation and battery storage.

We help to manage capital investment programmes by connecting you to appropriate sources of funding. EQUANS can also provide direct funding for capital investments, with repayments made directly from the savings achieved or from the sale of surplus site-generated electricity to the grid.

At the planning stage, we provide clear whole-life cost calculations for every scheme we propose, along with guaranteed return on investment figures – so you can properly assess the financial implications, carbon savings and long-term benefits. Our complete sustainability package helps you to achieve long-term resilience through net zero operations, while improving the visitor experience

SOME OF THE MEASURES WE MAY IMPLEMENT INCLUDE:

Replacing gas boilers and diesel generators with electric heat pumps, hydrogen boilers or biogas-fuelled combined heat and power plants.

Installing SMART building technologies to optimise consumption throughout your premises. Incorporating SMART technology into your infrastructure also offers opportunities to enhance the customer experience – providing services to guide people around the venue, direct them to food outlets or transport hubs, and provide e-ticketing capabilities.

Installing solar panels and other renewable technologies to directly supply venues – these can include lightweight flexible solar panels suitable for stadium roofs. Or setting up power purchase agreements with renewable generators to directly supply the venue.

Introducing batteries to store electricity generated on site and provide essential resilience for busy events – removing the reliance on diesel generators at peak times.

Providing electric vehicle charging points in car parks – to encourage carbon-free travel to the venue. Charging points can be supplied by solar energy generated from PV panels mounted on car park canopies.

Replacing inefficient bulbs used to provide the light and heat for stadium grass growing with efficient LED lighting and infrared heating.



SET YOUR SIGHTS **ON ZERO**

**To begin your journey to net zero with
EQUANS please contact us today:**

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