



Our commitment to sustainability

Netwise is fully committed to the long-term operation of ultra-efficient data centres, through the purchasing of renewable energy, and the use of bleeding-edge environmental control technology.

Renewable energy

Since 2017, every watt of energy consumed at a Netwise data centre has been purchased from 100% renewable sources, including wind, sun and sea.

As part of our continued growth, and the resulting increase in energy consumption across our London facilities, we are transitioning to a direct market purchasing model for our electricity. By working with energy brokers that operate on the open energy market, rather than a single retail energy supplier, we're better able to react to market dynamics, and purchase baskets of future energy when the time is right.

This model allows us to pre-commit to large baskets of sustainable energy direct from producers on the commodities market, effectively contracting for energy based on future market supply without touching high-margin retail energy companies.

Our dedicated energy brokers are constantly analysing the market and advising us on when to purchase future energy, how much should be factored into each commit, and the mix of renewable energy generation sources in each basket. This approach does make certification of the renewable supply more difficult, however we are working towards this as a special measure with our brokers, along with having ISO 50001 accreditation on our roadmap for 2024.

Efficiencies and PUE

In our view, how the energy is used is just as important as the source. Through our use of evaporative cooling technology, and our commitment to efficiency of operation in all areas of service delivery, we're able to deliver world-class PUE figures at all of our private, bespoke data centres.

In fact, they're some of the lowest real-world PUE numbers in the world, achieving 1.09 at London Central in 2022 (beating the facility design PUE of 1.12), and a design PUE of just 1.05 at London East.



Looking ahead

We have no intention of stagnating our development of company-wide efficiencies and intend to expand the reach of our efforts in this area.

On-Site Solar Generation

Our London East facility has scope for a roof-mounted solar panel array, which will further improve our PUE potential, and allow for non-critical loads to receive direct, on-site access to our own renewable supply.

Movement on this is expected in 2024-2025.

EV Charging

Given the access we have to renewable energy at our private data centres, the deployment of EV charging bays in our secure compounds is a no-brainer. This will benefit both staff and clients alike.

Movement on this is expected in 2024.

ISO 50001 Accreditation

We're looking to expand our ISO accreditation portfolio to include Energy Management (ISO 50001), to give better outward visibility to our commitments in this area.

This is expected as part of our recertification audit process for ISO 9001 and ISO 27001 in early 2024.

Private R&D Department [Name TBC]

We have plans to develop an in-house research and development department within the next 2-3 years, which will spearhead new data centre design and implementation techniques, centring firmly on efficiency and sustainability, but expanding into other areas also.

We would publish this research for wider use within the sector, to effectively 'open source' our ultra-efficient designs, backed by real operational data, in the hope of spreading best-practices on efficiency and sustainability to all facility operators.