

DATA CENTRE SUSTAINABILITY

PREPARATION

Sites that have been used by industry can have high levels of pollutants and may require specialist cleaning and preparation, including appropriate disposal and recycling of waste.

ENERGY

The sourcing of sustainable electricity is critical to minimise the long-term environmental impact of a new data centre. Local climate, renewable sources and continuous supply factors must be carefully considered.

DECOMMISSION

Detailed end of life planning ensures that when a data centre facility is no longer required, it can be repurposed or retired in a sustainable manner.

LOCATION

A sustainable data centre should use a 'brownfield' location, for example one that previously had industrial use. Proximity to cities is also highly desirable so use of greenfield sites can be avoided.

DESIGN & BUILD

There have been advances in the design of data centre facilities, which can maintain high availability, while still ensuring that the building itself is energy efficient, and that the construction materials can be sustainably sourced.

OPERATION

Ensuring that a data centre is efficiently operated significantly reduces its environmental impact. From cooling to minimising water usage and waste, sustainability gains can be made throughout the data centre ecosystem.