

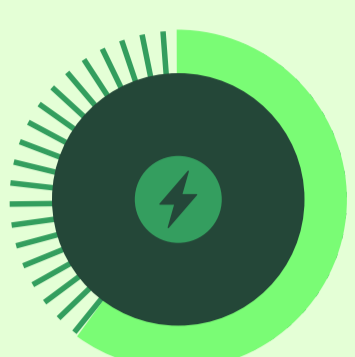
Cut business energy bills, advance sustainability

How mid-market companies can leverage tools they already have to become more energy-efficient and environmentally friendly

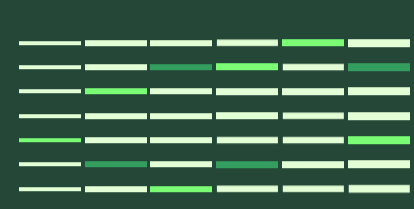
The energy challenge



40% ↑
UK firms could see a 40% rise in data-centre costs due to the energy crisisⁱ



60%
of a data centre's operating budget is typically lost to energy costsⁱⁱ

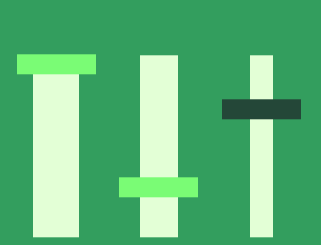


Climate impact

0.3% of all global CO2 emissions come from data centresⁱⁱⁱ



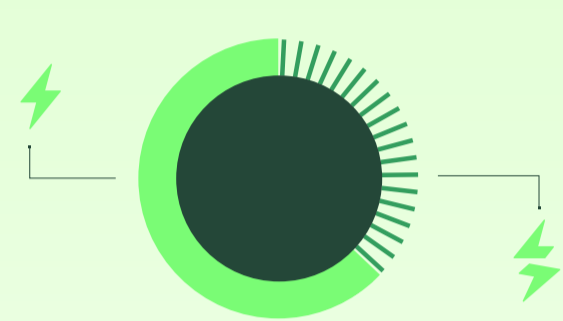
The business response



75%
of businesses are already reducing energy demand through optimisation activities^{iv}

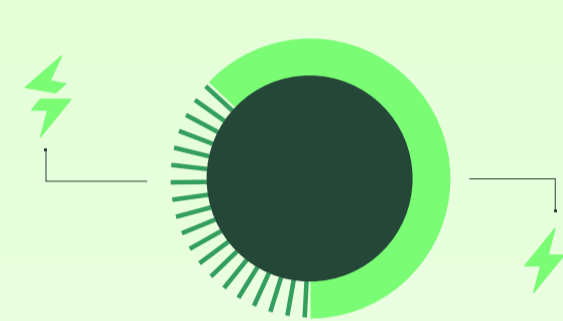


44%
of leaders cite "conflicting priorities" as a top-three business challenge when taking decisions about energy-related activities^v



Provisioning focus

Storage environments tend to be overprovisioned by an average of 37%^{vi}



8 energy-saving tips

from experts at Dell Technologies and Microsoft

1 Use your Remote Access Controller

Dell Technologies servers have the Integrated Dell Remote Access Controller (iDRAC) to help optimise usage. If you don't have our servers, our competitors will have equivalents.

2 Gain AI insights

Integrated with iDRAC is OpenManage Enterprise Power Manager, enabling you to monitor via dashboards and budget server power based on your needs – its AI can send you usage alerts.

3 Leverage Windows Server 2022

Windows Server helps you tune server settings for energy efficiency gains – helping you find the right balance between power and performance.

4 Move workloads to the cloud

Transitioning workloads to Microsoft Azure in the cloud can produce up to 98% more carbon efficiency and up to 93% more energy efficiency than on-premises options.^{vii}

5 Get a free assessment using Dell's internal tool

Dell Technologies Live Optics is free online software that enables you to collect, visualise and share data about your IT environment: helping you understand your workload performance.

6 Combine resources with Azure Stack HCI

Microsoft Azure Stack HCI combines compute, storage, and networking in a single system to help reduce power consumption, space requirements and cooling costs.

7 Utilise settings within the BIOS

With Dell PowerEdge servers, you can select "Performance Per Watt DAPC" among many options within the BIOS. This uses Dell pre-sets to maximise efficiency with a bias towards power savings.

8 Deploy lifecycle management services

Technology Rotation from Dell Technologies, for example, allows for the implementation of regular refresh cycles to continually take advantage of the most current energy-efficient technologies.



Free energy-saving assessment

The trusted partnership of Dell Technologies and Microsoft is ready to support you in enhancing the energy-efficiency and sustainability of your IT infrastructure.

Sign up for a free energy-saving assessment today and get advice on your current IT energy usage from our expert team.

ⁱGartner, as reported by IT Pro, September 2022

ⁱⁱDell Technologies, using Schneider Electric's Data Centre PUE Calculator, assuming a range of 1.4-1.6 PUE

ⁱⁱⁱInternational Energy Agency, as reported by Forbes, May 2021

^{iv}How CIOs Can Mitigate Energy Costs and Risks, Gartner, October 2022

^vHow CIOs Can Mitigate Energy Costs and Risks, Gartner, October 2022

^{vi}New Technology: The Projected Total Economic Impact of Dell Technologies APEX Data Storage Services, Forrester, June 2021

^{vii}Sustainability outcomes and benefits for business, Microsoft, April 2023