

What is energy resilience?

Energy is more than keeping the lights on

Resilience includes the ability to withstand and recover from deliberate attacks, accidents, or naturally occurring threats or incidents¹

It means keeping
Universities online
while keeping
students, faculty and
administration safe

36% of energydecision makers say their organization is not prepared for a disruption to their energy supply from a temporary grid failure²



Energy resilience is business resilience



Improved site resilience



Reduced commercial risk



Assured continuity of operations



Strengthened energy compliance



Reduced downtime



Future-proofing your business



Greater control

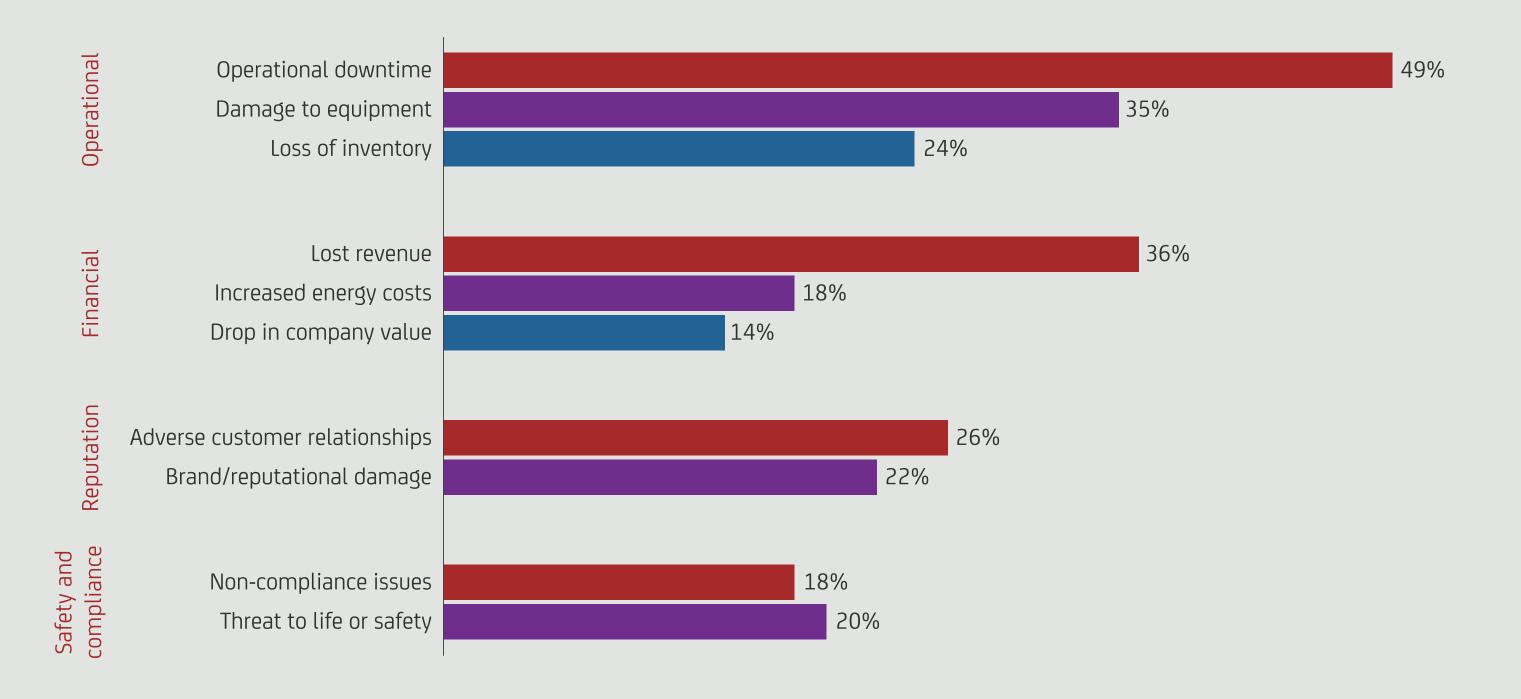
The huge impact of a power failure

Businesses estimate that, when both direct and indirect costs are taken into consideration, the cost of an energy-related failure can total as much as 26% of their annual revenues.

A power failure in a University environment can result in total disruption — from elevators and electronic dorm keys not working to wi-fi outages, data losses, equipment damage, and can even impact critical medical or lab facilities; impacting safety and productivity and could have long term brand impact.



The impact of energy-related failures



Why every University needs an Energy resilience strategy

A comprehensive Energy Resilience strategy can protect businesses, including universities, from outages and market fluctuations

Our research shows a clear correlation between businesses that have a mature Energy Resilience strategy and positive business outcomes

A business with an energy strategy is:

(24)

percentage points more likely to report a strong financial performance 15)

percentage points more likely to report a good brand reputation 27)

percentage points more likely to consider themselves in a good position for future success



We have solar panels on four buildings, but are considering expanding this. We have to start generating our own energy and reduce dependency on the grid."

Education, Campus Manager



of businesses agree that the cost of building an Energy Resilience strategy is far less than the cost of an energy-related failure

Key Components to an Energy Resilience strategy

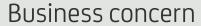
Understand energy usage environment

(2)

Access how the business reacts to power loss



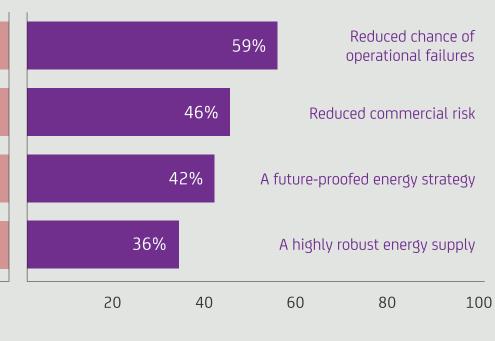
Design the Energy Resilience strategy accordingly





Q: To what extent are the following concerns for your business?

Energy Resilience strategy benefits



Base: all respondents (365)

Q: What do you think are the benefits of having a strong resilience strategy?

Powering Resilience

Ensure continuity of supply

Reduce operational failure

Minimise commercial risks

Strengthen compliance with regulations

Protect against market change

2nd

Largest battery storage project globally 50%

Reduction in production faults achieved by a manufacturer

Fixed

Payment
guarantees reduce
exposure to market
volatility

Experts

in regulation, compliance and health & safety

£700

minvestment in Distributed Energy business

nergy audits
On-site generation Onsite storage
Demand side response

Panoramic Power alerts
Pro-active support
Operations &
maintenance

Account management
Commercial options
Neas platform

Knowledge of regulation
Account management
Aggregation expertise
Insight solutions

Breadth of expert
resources
Broad market insight
Deep enterprise expertise
Investment in new
technologies

New technologies for energy resilience

New energy technologies can help universities meet the challenging demands of growth and cost control by improving operational performance and strengthening resilience.



Combined Heat and Power



Energy Insights



Power Generation

