



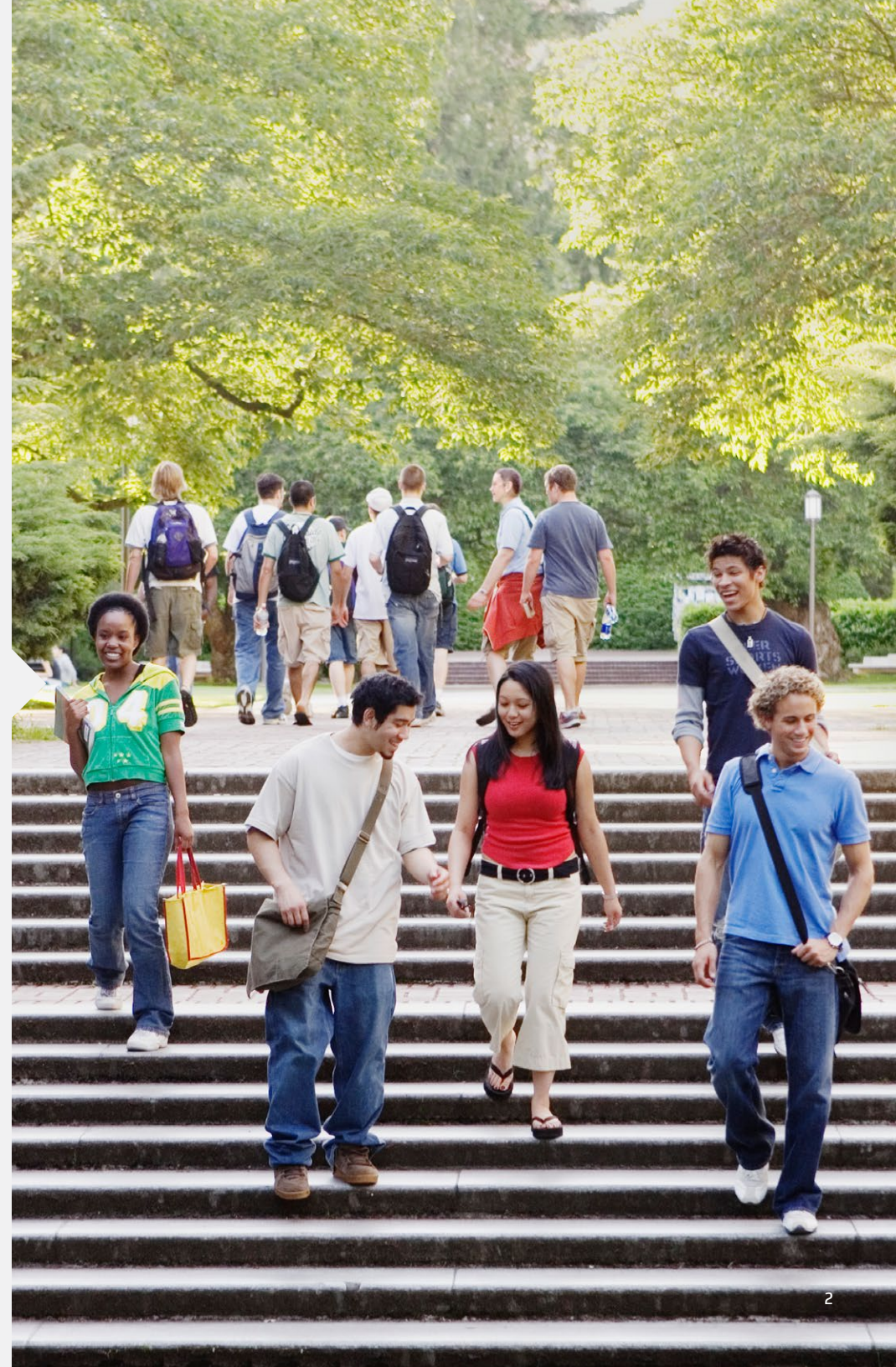
Helping colleges and universities balance planet, budget, and resilience

Partner with Centrica Business
Solutions and accelerate your journey
to a low-carbon future

centrica
Business Solutions

#thisis
positive
energy

Achieve your campus sustainability goals and hit your budget with integrated energy solutions that lower your operating costs, reduce your carbon footprint, and provide a healthy learning environment.





Your institution's sustainability goals are achievable

Cutting overhead costs and embedding sustainability have never been more critical for colleges and universities. They face increasing pressure to become sustainable, and tight budgets mean they have to do more with less.

Aging campus infrastructure demands high energy costs, maintenance expenses, and carbon emissions. Upgrading your energy assets is a great way to achieve your economic and environmental goals.

Addressing your specific energy challenges

The right partner and energy strategy mean a faster path to reach your net zero and budget goals. Centrica Business Solutions helps you to:

- Meet your net zero targets while balancing profitability and environmental responsibility
- Define a clear and targeted approach to energy implementation and ensure you are supported in delivering your financial and environmental agenda
- Determine what financially makes sense for your institution

Working with you, we will develop a tailored vision that helps you achieve your energy and sustainability goals.

Get the most from your energy and drive the most value from your energy infrastructure. Centrica Business Solutions will work with you to solve your energy challenges and harness new opportunities in a changing world.





Efficient. Resilient. Sustainable.

Successful sustainability efforts need to achieve the right balance between three priorities: energy cost efficiency, energy resilience, and carbon reduction.



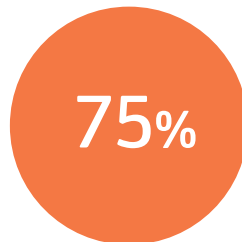
Powering efficiency

Waste less. Pay less.

While energy efficiency projects are appealing, competing priorities usually mean that addressing outdated energy infrastructure takes a backseat in favor of funding other school resources.

When buildings are not using energy efficiently, it has financial and environmental impacts – and it diverts budget away from students. According to the U.S. Department of Energy, higher education institutions spend over \$6 billion on annual energy costs across 5 billion square feet of space – and the U.S. Environmental Protection Agency estimates that 30% of this energy is wasted.

Operating more efficiently will enable your institution to focus your budget on your students. We will work with you to scope and implement multi-measure energy efficiency projects to conserve energy, reduce maintenance costs, and increase comfort and safety.



Many institutions have as much as 75% of their facilities in the range of 30 to 40 years old.¹

1. APPA: <https://www.appa.org/bok/capital-renewal-and-deferred-maintenance/>



Case study

Queens University of Charlotte

Through LED lighting, new chillers, water efficiency measures and an updated Building Automation System, the university significantly reduced their energy costs, with no upfront investment.

The challenge

Since many of their buildings were equipped with aged and inefficient building controls, chillers, lighting and water fixtures, Queens University of Charlotte wanted to reduce energy costs across their facilities; maintain and improve the existing environment within each building; and provide improved operational control over their equipment and systems – without adversely impacting their balance sheet.

The result

By transforming their campus with LED lighting, new chillers, water efficiency measures and an updated Building Automation System, Queens University of Charlotte has significantly reduced their energy consumption, which will reduce their annual energy costs by \$190,000.

Queens University of Charlotte financed their upgrades with a 15-year Energy-as-a-Service agreement, which meant that they did not have to make any capital investment, and the guaranteed savings that were delivered through the upgrades paid for the project cost.



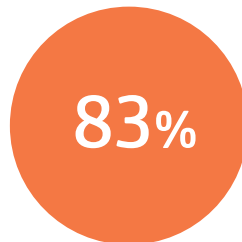
Powering resilience

Effectively manage risks, 24/7

If the grid fails, how will that impact your campus operations and affect your students? The traditional approach to backup power is not a long-term, sustainable, or environmentally-friendly solution. Nor does it align to net zero targets.

In the event of a power outage, students and faculty are relying on you to keep the lights on and emergency services operational. You need to ensure your students' safety, well-being, and satisfaction by protecting your institution's critical energy requirements during an outage.

Effectively manage risks with an energy strategy that reduces your institution's exposure to grid failures and regulatory non-compliance. We will help you remain aligned with your energy security, compliance, and sustainability goals.



According to our research, 83% of sustainability leaders proactively decarbonize before compliance requires it.¹

1. 'Don't wait to commit to net zero', Centrica Business Solutions, 2021



Case study

Prominent University in California

Upgrades to lighting systems are enabling the university to reduce energy costs and ensure compliance with California's strict environmental legislation.

The challenge

Catering for thousands of undergraduate and graduate students and enjoying an international reputation for excellence, the university has ambitious sustainability targets for reducing carbon emissions. In pursuit of these goals, reduce cost and maintenance, and align with California's stringent environmental regulations, they wanted to replace the old lighting systems in 11 campus buildings.

The result

By replacing all lighting with modern LED fittings and implementing new control systems, the university has improved working conditions for staff and students – while reducing their energy costs by \$480,766 and maintenance expenses by \$100,000.

All lighting upgrades are compliant with California Title 24, which sets out requirements for energy conservation and green design in construction and maintenance.



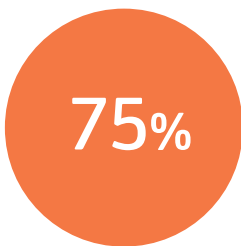
Powering sustainability

Are you prepared to hit net zero by 2030?

Colleges and universities have no shortage of reasons to increase the sustainability of their campus. But there's one opinion that matters most – their students.

Sustainability is no longer just a 'nice-to-have.' It's a key component that will enable your institution to free up resources to create a better learning environment, offer more value to your students and faculty, and give you a competitive edge. Many institutions are taking steps to mitigate their carbon emissions to reduce operational costs and attract students. They are developing sustainability and energy plans, disclosing carbon emissions, and receiving public recognition.

We can help you hit your net zero goals in time – working with you to identify infrastructure improvements to help you achieve carbon targets, enhance your reputation, and attract students.



A Princeton Review study found that 75% of applicants say that a college's commitment to the environment would affect their decision to attend that college.¹

1. Princeton Review: <https://www.princetonreview.com/college-rankings/college-hopes-worries>



Case study

Prominent university in Chicago

By implementing world-class lighting upgrades, the university is advancing campus-wide sustainability goals to reduce their greenhouse gas emissions by 20% by 2025.

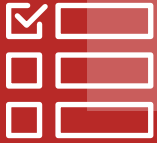
The challenge

Since the university's campus consists of older buildings, they were not using their energy efficiently, which resulted in high electricity and natural gas consumption. As part of their initiative to reduce greenhouse gas emissions, the university wanted to upgrade their lighting infrastructure to more efficient and easier-to-maintain LED lighting.

The result

By upgrading existing lighting to LED in three buildings, the university will reduce its grid energy consumption by 624,000 kWh each year, saving \$51,000 in annual utility costs. LED lighting is inherently much easier to maintain, so they will also save on maintenance costs. The best part is that they can divert these overhead savings to serve their students and faculty and attract future students and staff.

The university will not only save money on energy and maintenance expenses. This project is part of campus-wide energy efficiency measures that will help the university reach their 2025 carbon reduction goals.



Sustainable energy solutions for colleges and universities

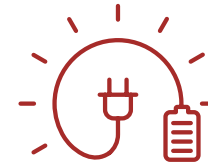
Every institution is different, so you need a partner who can offer technologies and services that fit your challenges.

As an integrator of sustainable energy solutions, Centrica Business Solutions will work with you to deliver a full range of bundled, end-to-end energy solutions and services encompassing energy efficiency measures, renewable energy offerings, and demand response services – and deploy them in the right order for maximum impact.



Energy Efficiency Solutions

Lower your utility and maintenance costs, provide a healthy learning environment, and reduce carbon emissions with our turnkey energy efficiency solutions.



Solar and Energy Storage

Unlock value from your rooftops, parking lots, and grounds with our state-of-the-art solar systems, energy storage systems, and microgrids – and generate and store renewable energy on-site.



Energy Load Management

Enroll in demand response to support the transition to a more sustainable and resilient energy grid, and earn revenue for reducing your energy consumption.

Lack of capital should not be a barrier to accessing new energy opportunities

Off-balance sheet financing is essential for colleges and universities not to take on additional debt. One option to consider is a Sustainable Energy Services Agreement (SESA). This is a pay-for-performance, on-or-off balance sheet financing solution that enables colleges and universities to implement multi-measure energy efficiency and clean energy projects with no upfront cost – so they can remain competitive and focused on serving their students.

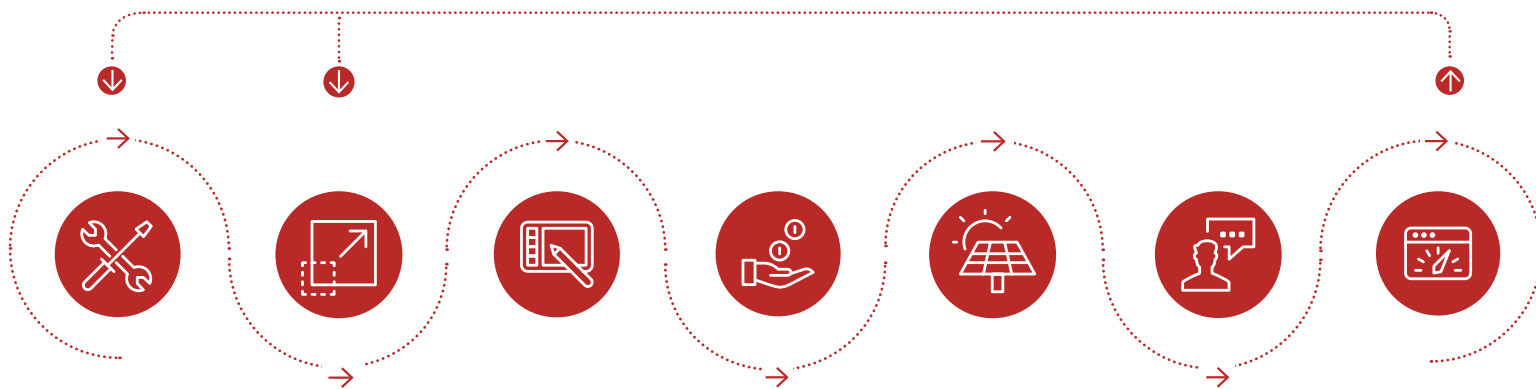
- ✓ **\$0 upfront cost**
- ✓ **No impact on your balance sheet**
- ✓ **Flexible solutions tailored to your needs**
- ✓ **Consolidate upgrades into one simplified contract**



A tailored vision that helps your institution reach your net zero goals

We work with you step by step to develop a net zero pathway that makes sense for your institution. Our process for working with you defines a clear and targeted approach to energy implementation – establishing your goals, identifying opportunities, installing solutions, and ensuring ongoing support and optimization over time.

Our structured process for working with you:



Discover

We work with you to understand your objectives and challenges. We conduct an initial audit of your campus infrastructure to diagnose opportunities for action.

Identify

We translate opportunities into options that meet your specific needs. Working with you, we prioritize project scope and link your objectives to a clear energy strategy.

Design

We create a bespoke technical solution for your institution's energy infrastructure upgrades, working alongside you to tailor specific energy solutions to your goals.

Finance

We work with you to determine what financing mechanisms make sense to meet your institution's needs, offering a range of options with no upfront cost.

Deploy

We build and integrate your upgrades – and will carefully project-manage this process to be seamless, minimize disruption, and ensure safety and compliance.

Maintain

We ensure your systems are running in optimal conditions, measure and verify energy savings, and ensure ongoing maximum value through support, warranties and guarantees.

Optimize

We will proactively investigate opportunities to improve and optimize your campus energy infrastructure to ensure you are maximizing all available opportunities.

Centrica plans to lead by example. Learn about our own goals to become net zero by 2045.

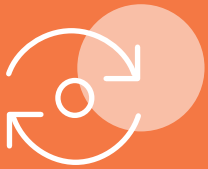
As a market leader in energy solutions, we are well placed to achieve these goals by utilizing our capabilities to embed sustainable technologies and behaviors across our business and for our customers.

28%

reduction in our customers' carbon intensity to be achieved by 2030

100%

our commitment to be a net zero business by 2045



Working with you to shape your future

Reaching net zero is easy to say, but hard to do. To get there, you need to overcome complex technical challenges and competing budget priorities.

Partnering with us can offer you a way through the complexity. We help you understand your options – to find an approach that's right for you.

Reshaping your landscape

Is your energy the right 'shape' for your institution? Centrica Business Solutions can weave together a strategy from our broad portfolio to help you address the efficiency and sustainability of assets across your energy infrastructure as you pursue operational excellence.

Our solutions can help you to reduce complexity when you're adopting a blend of technologies. And we help you optimize your campus energy and infrastructure to deliver value in the short and long term.

Help, every step of the way

We provide a comprehensive approach to energy management, offering expertise, technologies, financing, and full lifecycle support.

Benefits to your institution:

- **Complete analysis** of your energy infrastructure
- **Financing solutions** to meet your needs and hit your budget
- **The most "add-on" value** through our bundled, end-to-end solutions
- **End-to-end support** to plan and execute your infrastructure upgrades
- **Optimization** of assets and ongoing measurement and verification to deliver on compliance and guarantee energy savings

An international reach

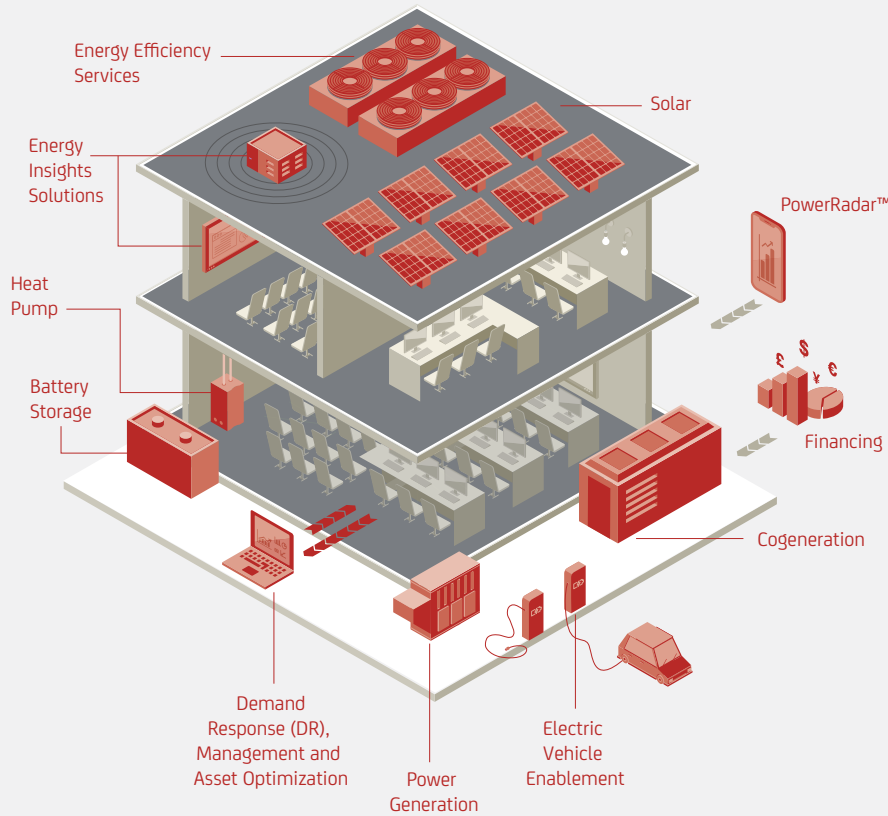
No institution can go it alone. We operate in 34 countries, supported by a global network of 100 energy partners. That means there are few energy challenges we haven't faced – and you know you're working with a stable partner with real longevity.

Expert resources, proven processes

Our multi-skilled and experienced teams help colleges and universities to develop their pathway to net zero, capitalize on new opportunities, and protect their institutions from risk.

We analyze, finance, install, operate and optimize energy

Finding the right balance between what's good for your institution and the planet we share



20k+

Energy efficiency upgrades across the U.S.

\$90M

In demand response revenue delivered to customers over the past 4 years

9.3k+

Solar PV systems installed and maintained in the U.S.

80+

Average NPS and recommendation score

Find out more

Centrica Business Solutions provides energy expertise and solutions to organizations around the world to improve their operational efficiency, increase resilience and help them become sustainable.

We are part of Centrica plc, an international energy services and solutions company that's focused on helping organizations and households to live sustainably, simply and affordably.

To find out more about how we can help your institution:

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