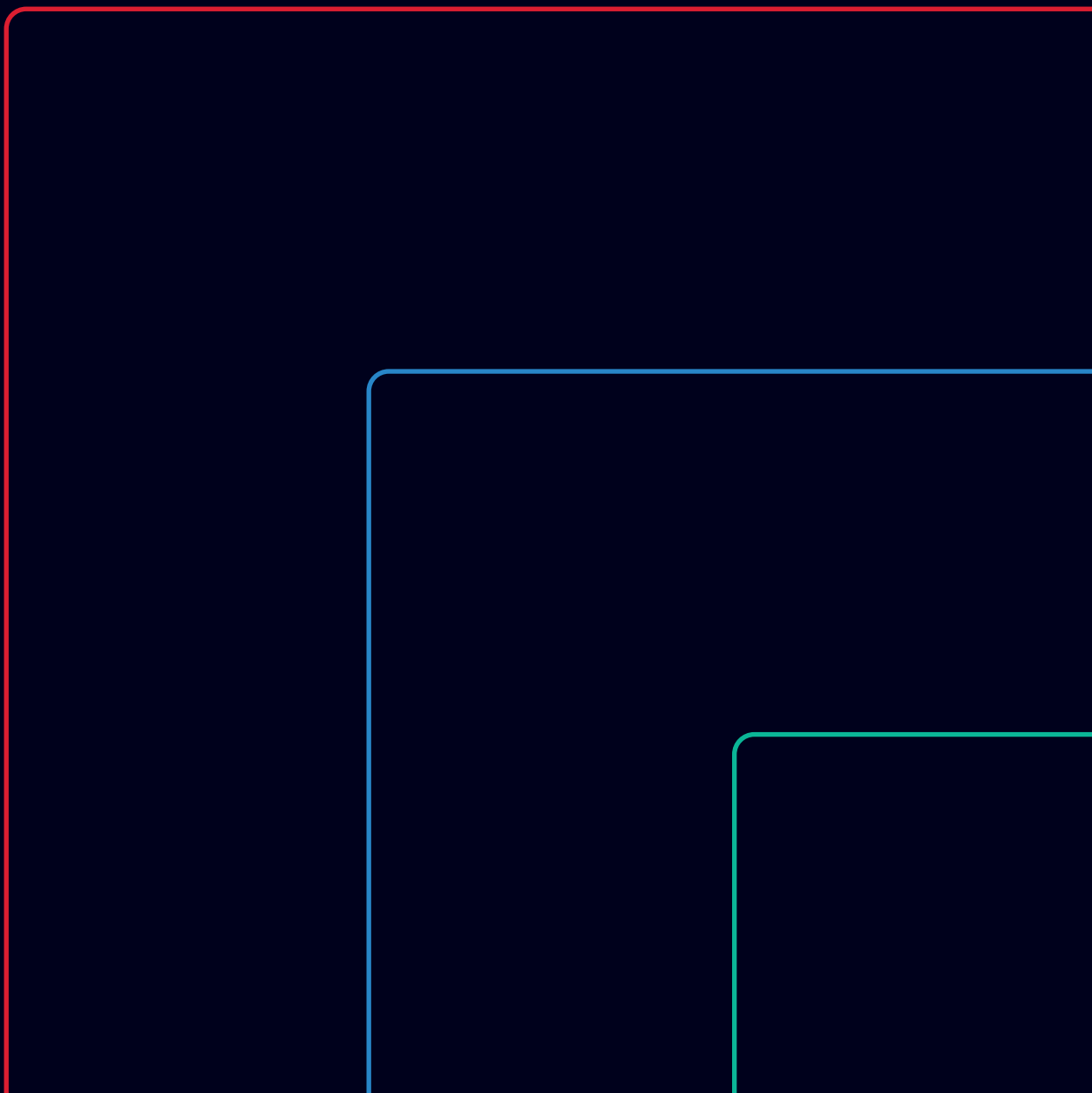




Engineering Excellence

# Brochure

Mechanical • Electrical • Renewables



# We are engineering excellence.

Smarter buildings.  
Unparalleled service.





# About Us

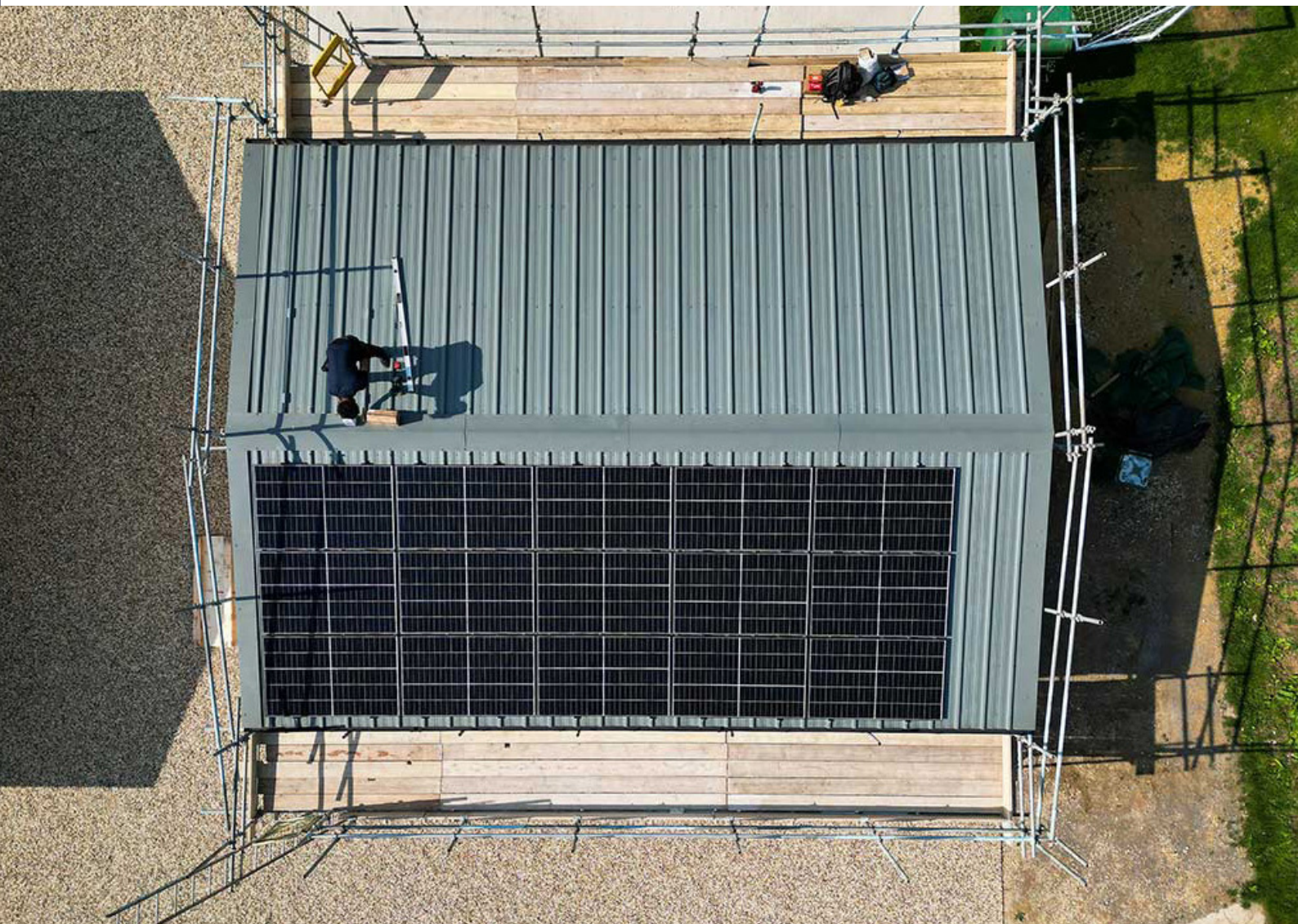
UES are Building Services partners you can rely on.

With over 35 years of expertise behind us, we're continually driven to move our industry forwards.

We're proudly family-run and bring unparalleled service to everything we do.

Experience and capability in all aspects of our trade allows us to offer complete design, installation, and maintenance for all Building Services requirements. From outline schemes and budget prices, to handing over turnkey installations, we accommodate every stage of the journey.

Our fleet is Enhanced DBS checked and multi-accredited, including CHAS, MCS, Safe Contractor, Gas Safe, OFTEC, FGAS, and NICEIC.



# Our Services

We offer a comprehensive range of services from a single point of contact, eliminating the need for multiple contractors.

When you work with UES, you'll enjoy a seamless and hassle-free experience that covers everything from initial consultation to project completion and full aftercare support.

Our team of experienced professionals will work closely with you to understand your requirements and deliver a tailored solution to meet your needs.

There are many benefits to working with us, including the quality assurance of multi-accredited engineers, the time and cost savings of using an all-encompassing contractor, and the reduced risk of having everything in one place.



Mechanical



Electrical



Renewables

## Mechanical

- Above Ground Drainage
- Air Conditioning
- Air Curtains & Barriers
- Air Handling Units
- Boosted Cold Water Tanks
- Commercial Kitchen Canopy Extract
- Commercial Pipework
- Commissioning & Chlorination
- Compressed Air
- Destratification Fans
- Gas Fired Water Heaters
- Gas Installations & Purging
- Heating Systems (Gas, LPG, Oil & Electric)
- Hot & Cold Water Services
- MVHR Units
- Packaged Plant Rooms
- Sanitary Installations, Soil & Waste
- Specialist Extraction
- Steam & Condensate
- Underfloor Heating
- Ventilation & Ducting
- VRV Systems
- Warm Air & Radiant Heating

## Electrical

- Battery Storage
- BMS Controls
- Fire Alarm Systems
- Inspection & Testing
- Internal & External Lighting
- Power Distribution Systems
- Security, CCTV & Access

## Renewables

- Air Source Heat Pumps
- Biomass
- EV Charging
- Ground Source Heat Pumps
- Rainwater Harvesting
- Solar PV
- Water Irrigation

## Additional Maintenance

- 24/7 Emergency Call Out
- Annual Maintenance
- Compliance Checks
- Electrical Inspection & Testing
- Energy Efficiency Checks
- Landlord Gas Safety Certificates
- Legionella Testing & Risk Assessment
- Plant room checks to:
  - Pipework, Valves, Expansion Vessels, Pressurisation Units, Heat Meters, Water Calorifiers, Strainers
- Power Flushing & System Cleaning
- System Filtration
- Water Sampling
- Water Tank Cleaning & Disinfection



# Health & Safety

Our Contracts team works diligently to complete site-specific safety plans and risk assessments to identify any potential hazards and develop strategies to mitigate them. These plans and assessments are communicated to our allocated engineers to ensure everyone on the project is aware of potential risks and hazards.

Once our engineers arrive on site, they take every precaution to ensure safety measures are in place, including the use of PPE and fall protection systems. They also perform equipment and machine inspections regularly to identify and rectify any issues that may compromise safety.

Additionally, our team is well-versed in handling hazardous materials and follows strict protocols to ensure their safe handling and disposal. We also prioritise site security to prevent unauthorised access and ensure the safety of all individuals on the project site.



# Carbon Reduction

UES recommends Energy Demand Reduction wherever possible. We prioritise this approach to help our clients achieve carbon footprints and long-term cost savings they didn't think possible.

We adopt a contemplative and holistic approach to sustainability, making sure the services we provide prioritise continued benefits over short-term wins.

Key areas that we look for when assessing the carbon reduction in a building are: lighting, ventilation, cooling, catering, electricity connection and infrastructure, fabric, suitability for onsite renewables, electrical capacity in regard to electrification of heating & hot water systems, and the provision of electric charge points.

We also provide ongoing maintenance and monitoring services to ensure that the building's systems are running as efficiently and effectively as possible.



This Solar PV array at a cricket club is set to save the club £18,500 over 25 years. The system will provide 45% of the buildings electricity needs and the installation will be paid back within 13 years.



Upgrading 454 light fittings to LED at a Community Centre in Bristol is set to save 68% in energy usage. This equates to an annual cost saving of £25,300 and the installation will be paid off in just 2.5 years.

# Case Studies



## First Bus

UES reliably maintains multiple First Bus sites across the South West and South Wales. Projects have varied from complete Plant Room upgrades, regular Boiler Servicing, and Gas Main Installations.

## A-Gas

We've cared for two industrial A-Gas properties for over 10 years. Works have included Legionella Testing, Boiler Servicing, and Air Conditioning maintenance.



## School Projects

We've overseen various projects in the Education sector, from initial Design & Consultation through to Installation & Maintenance. Works include Plant Room overhauls, LED Lighting, and Fit-Out work.



## Gloucestershire Cricket Foundation

A shared ambition for sustainability has seen UES partner with Gloucestershire Cricket Foundation to install hundreds of solar panels on the roofs of cricket clubs across the South West.



## Boston Tea Party

South West independent coffee chain Boston Tea Party confidently rely on UES for proactive and efficient maintenance to keep their buildings running smoothly.

## Diocese of Bristol

Annual maintenance, reactive call-outs, and energy efficiency strategies have helped keep a vast selection of Diocese vicarages in the best condition possible over many years.



# Sustainability

We're committed to promoting sustainability and reducing our carbon emissions as much as possible. As clean energy installers, we believe it's not just important to offer renewable solutions, but to practice what we preach in our day-to-day operations.

We prioritise eco-friendly transportation wherever we can and a large proportion of our fleet is powered by electric. Every engineer carries fuel cards to offset the impact of our travel and we are always looking for new ways to reduce our vehicle emissions.

As a team, we collectively continue to attend courses to further our knowledge on what we can do to work towards net-zero. We are committed to increasing our environmental awareness and taking actions to reduce our impact on the environment.





# CSR

We take huge pride in diving into every project with the same level of excitement, attention to detail, and passion. We do this because we've seen the direct impact our work can have on the communities that surround the buildings we work on.

To help give back and make a positive difference in our community, we sponsor Community of Purpose, an organisation dedicated to transforming the lives and futures of young people.

Every year UES hosts an annual cricket tournament and family fun day to raise funds for their Break Free initiative, helping eradicate holiday hunger throughout the holidays. Our last Cricket Day full of inflatables, kids' Olympics, ice cream, and craft stalls raised over a huge £6,000.





# Contact Us



0117 951 9020    0292 280 6055



[hello@unitaryengineering.com](mailto:hello@unitaryengineering.com)



[www.unitaryengineering.com](http://www.unitaryengineering.com)