

BUILDING ENERGY EFFICIENCY FOR THE FUTURE



BUILDING ENERGY MANAGEMENT SYSTEMS
ELECTRICAL CONTROL PANELS
[ACCREDITED BS EN 61439]



SANDFORD
electrical

DESIGN & MANUFACTURE ALL UNDER ONE ROOF

We are Building Energy Management Systems (BEMS) experts. We are also the UK's #1 manufacturer of electrical control panels.



ON-SITE INSTALLATION

We enjoy our reputation.
We've worked hard to achieve it.

We have been providing BEMS and electrical control panel consultation, design, and manufacturing services since 1989. We've worked on some of the most iconic and complex building projects in the UK. These include Canary Wharf, Lillie Square (the re-development of the Earls Court Exhibition Centre), the British Film Institute, Southbank Place, AWE, Royal Naval bases, and Crossrail.

Consult. Design.
Implement. Test.

We have been commissioned by niche, national and global clients in a wide range of industries that rely on automated energy management processes and systems. Each project requires a bespoke solution. We provide it on time and on budget, every time.

Our specialist designers and qualified engineers will partner you all the way from the design, build and test of the control panel or electrical control system through to installation. Your personally-assigned Sandford supervisor will take care of every aspect of the project

**Please get in touch
to find out more.**
01628 668 808

Areas and systems covered include -

Heating ventilation & air conditioning systems (HVAC)
Hotel, sports & leisure
Airports
Transport
Telecommunications
Medical & healthcare
Food & beverage processing
Pharmaceutical
Conveyor belt technology
Automated engineering products
Manufacturing industry
Finance
Logistics
Agriculture



FOOD & BEVERAGE PROCESSING

Who wants to live or work in a building that's too hot or too cold? Or which is expensive and difficult to light, secure, ventilate, heat, or cool? High energy efficiency means low energy overheads and lower carbon emissions, too.

“Budget BEMS may reduce building costs in the short term, but it's a *false economy*.”

BUILDING ENERGY MANAGEMENT SYSTEMS

A Sandford BEMS will add credibility (and saleability) to your build.

Quality BEMS are essential to the control and monitoring of a building's heating, ventilation, air-conditioning, security measures and lighting systems. Sandford Electrical BEMS can ensure energy-efficient and thus cost-efficient interiors that will stay that way for years.

Bespoke Energy Solutions.

FACT: Sandford Electrical BEMS can lower business energy costs. We can also make monitoring and adjusting an entire building's energy needs and electrical controls easy.

That's good news for the occupants of the building you are building.

Sandford Electrical BEMS can be applied to both residential and commercial situations. Our premium BEMS technology is renowned for its quality and long-term reliability.

Sandford Electrical BEMS installation involves and provides -

- Full-System and Building Audit (survey of plant, lighting and HVAC)
- Energy Analysis to target areas of excessive energy consumption
- Implement a bespoke Building Management System (maintenance, retrofit or installation of new system)
- Advice on CRC (Carbon Reduction Commitment) Energy Efficiency Scheme
- Monitoring energy usage and prevention of hitting Maximum Demand
- Heat-recovery systems
- 'Trend Systems Integrator' Accreditation

ELECTRICAL CONTROL PANELS



MANUFACTURING FACILITY

“We chose Sanford because, frankly, *no one else comes close* in terms of quality of solutions, installation, and customer service.”

WWW.SANFORDELECTRICAL.CO.UK

Sanford Electrical control panels are tailormade to meet the challenges and match the structure of each building we install them in. **Think Saville Row. Think Sanford.**

Sanford Electrical engineers are highly qualified and broadly experienced in all aspects of electrical control panel design and build. Each Sanford Electrical control panel is tailored to suit the building's unique architecture, design, and ongoing functions down to the ground.

Enduring. Energy. Efficiency.

FACT: Sanford Electrical control panels enable fingertip control and fine tuning of a building's energy management. The benefits are sustainable and long-lasting.

SANFORD ELECTRICAL CONTROL PANELS -

- BS EN 61439 Accredited
- Bespoke or Standard Size Control Panels
- Range of finishes and fabrications
- Free Standing or wall mounted
- Motor and Process Control
- Environmental (HVAC) Control
- Local, Remote, Relay or Programmable Logic Controller (PLC) Automatic Controls
- SCADA remote monitoring and control systems
- Interface with boiler/chiller systems, fire alarms and other electrical controls
- Options include annunciators and alarm systems
- Investment in the latest control panel hardware using Rittal Perforex technology

SANFORD LV SWITCHBOARDS -

- Full-system audit
- Automatic or manual control technology
- Bespoke Instrumentation
- Flexible applications for cable access and entry
- Standard and special forms of separation
- Fuse switch disconnectors, MCCBs and ACBs
- Automatic load shedding
- Automatic power factor adjustment
- Transformers and anti-condensation equipment

SANFORD MOTOR CONTROL CENTRES -

- Full-system audit
- Integrate or update existing features
- Automatic or manual control technology
- Forms of separation ranging from Form 1 to Form 4 (types 1-7)
- Certified bus Bar systems
- Bespoke cabling entry and access
- Local or remote control
- Bespoke Instrumentation

SANFORD 'PERFOREX' CAD MACHINE CENTRE -

Super high precision layouts are now possible with our newly acquired machining centre.

Perforex (from Rittal Automation Systems) delivers automated panel processing, which is much faster and more efficient than manual panel processing. We're one of the first companies in the country to acquire the Perforex machine. This demonstrates our commitment to, and investment in, ultra-efficient panel manufacturing.

SANFORD SYSTEM AUDIT -

We can provide a bespoke audit of your existing energy system and needs. The report will highlight energy efficiency, environmental considerations, and new technology integration.

- Consultancy on existing and proposed systems
- Advice on energy efficiency and environmental considerations
- Bespoke integration or updating of individual components

Our clients include:



We're going from strength to strength. Our reputation has never been better.

We've completed many stand-out projects.

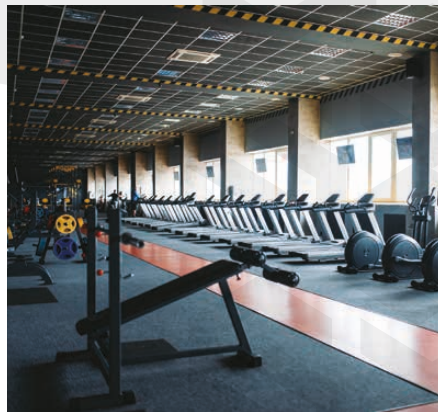
We can do the same for you.

To find out more about our services please contact us on:

01628 668 808

sales@sandfordelectrical.co.uk

www.sandfordelectrical.co.uk



HOTEL, SPORTS & LEISURE

BUILDING ENERGY EFFICIENCY FOR THE FUTURE

We are -

- The leading UK manufacturer of electrical control panel systems
- Bespoke electrical solutions
BS EN 61439 accredited
- A country-wide service for systems and support that people trust
- Experienced in multiple industries and sectors



LOGISTICS

“10/10. Sandford Electrical *always delivers*. We use them because they do BEMS and control panels, so we don't have to source multiple suppliers and integrate everything ourselves.”

BS EN 61439 - WHY IS IT SO IMPORTANT?

FACT: Sandford Electrical is one of the few UK companies accredited by a UK certified body stating that they have met the requirements of BS EN 61439. Customers are therefore assured that their projects will meet the relevant legislated standards.

All low-voltage switchgear and control gear assemblies must adhere to the new standards set out in BS EN 61439. It has been implemented to meet the requirements of users and manufacturers for vital safety and reliability reference points. BS EN 61439 describes the responsibility for the design verification and routine verification, including product liability.



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