

ELECTRICAL SALES

ENGINEERING A GREENER TOMORROW

→ LET'S BEGIN

24/7 SERVICE &
MAINTENANCE

HVAC &
ELECTRICAL
PROJECTS

MECHANICAL &
ELECTRICAL OFF-SITE
FABRICATIONS

CONTENT

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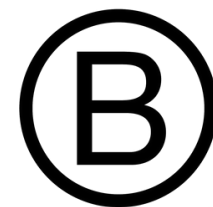
Certified



This company meets high standards of social and environmental impact.


Corporation

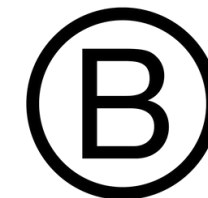
Certified



This company is committed to accountability, transparency, and continuous improvement.


Corporation

Certified



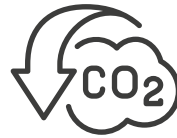
This company is part of the global movement for an inclusive, equitable, and regenerative economic system.


Corporation

WHO WE ARE



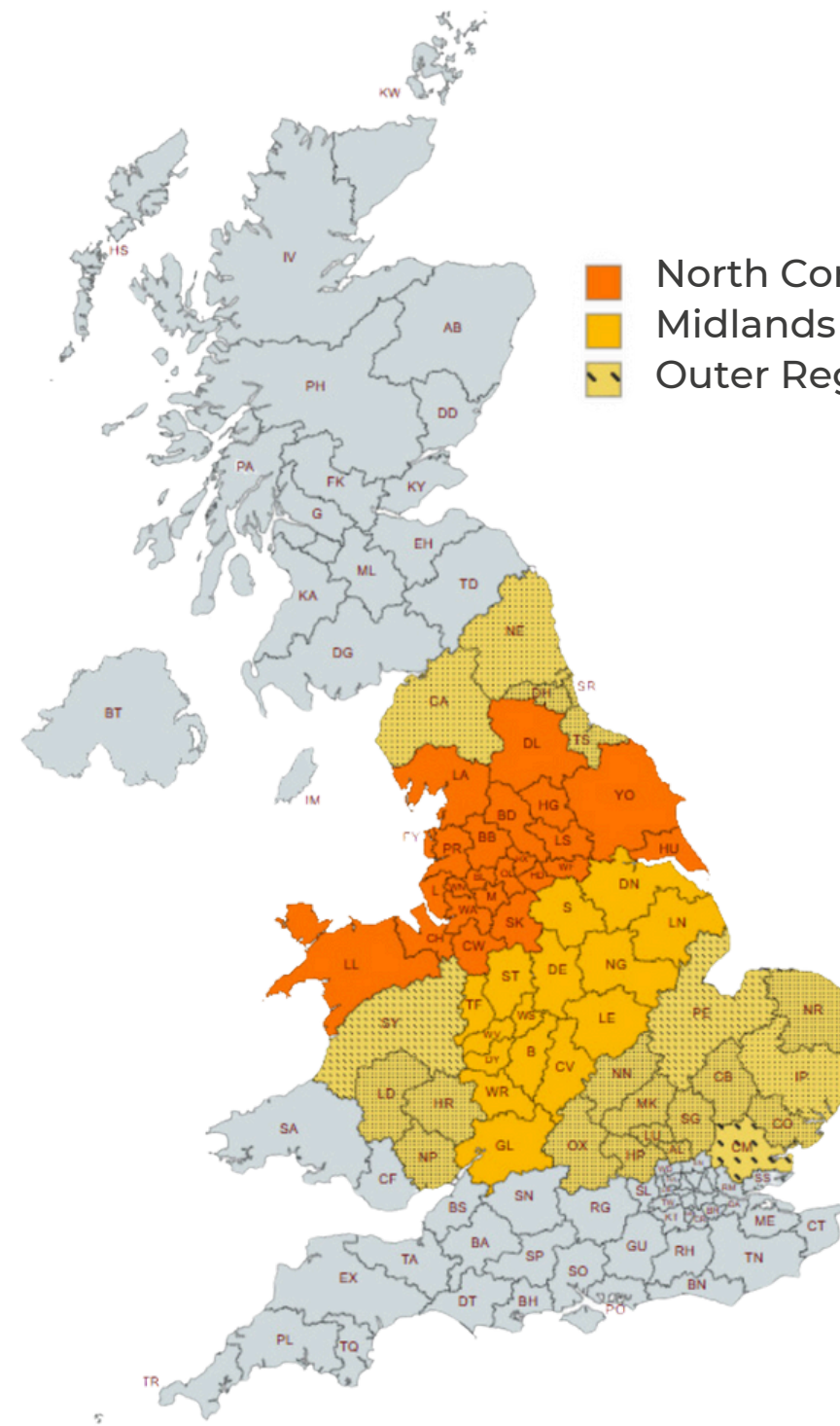
Founded In Warrington
in 1990



Dedicated specialists in the
decarbonisation of
commercial Real Estate



Delivering all core
services in house



North Contact | 01925 407142
Midlands Contact | 07495 643883
Outer Regions | Coverage at an additional cost

B-engineering
Group



Off-site Fabrication



Pipework Fabrication
Packaged Plantrooms
Skids and MEP Modules

Projects



Mechanical
Electrical
Renewables
M&E Contracting

Service & Maintenance



Commercial Gas
HVAC
Electrical
Renewables

SECTOR DELIVERY

Public Health Organisations

Educational Organisations

Manufacturing Premises

Warehouse Premises

Places of Worship

Retail Facilities

Hospitality Premises

Leisure Facilities

Food Production Premises

Private Hospitals

Pharmaceutical Industry

Commercial Offices

Defence Facilities

Industrial



WE ARE ACCREDITED

Dedicated to improving standards in every discipline



This company is committed to accountability, transparency, and continuous improvement.



B-engineering Group



- Mains Distribution Upgrades / Installations.
- Office/Warehouse Lighting Upgrade (LEDs)
- Reception Area Feature Lighting
- CAT-A & CAT-B Office Fit Out
- Emergency Lighting
- Car Charging Battery Units
- External Car Park Lighting
- Building Feature Lighting Schemes
- EICR / Fixed Wire, Testing & Inspection





ROB DITCHFIELD

MANAGING DIRECTOR

Rob is a skilled commercial pipefitter welder turned visionary entrepreneur, with expertise in HVAC system design, plant asset upgrades, and decarbonization projects. He is passionate about health and safety, leading initiatives for NEBOSH training, and is actively working towards B-Corp certification to enhance the company's sustainability practices



LUKE O'KEEFFE

PROJECTS OPERATIONS MANAGER

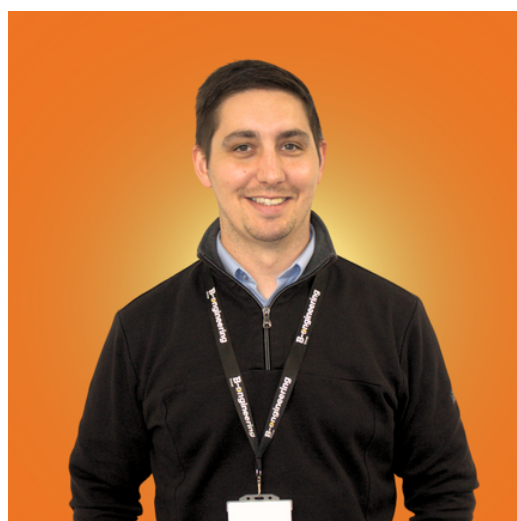
Luke is a seasoned professional with over ten years in the MEP industry, excelling in project management and team leadership while overseeing projects worth up to £2 million.



SHAUN JOHNSON

ELECTRICAL PROJECTS MANAGER

Shaun is a technical member of the Institute of Engineering and Technology with expertise in project management for renewable energy projects, including solar and heat pumps, backed by 10 years of experience in the electrical industry.



JOHN WHELAN

ELECTRICAL MANAGER

John is an accomplished Electrical Managing Engineer with over 16 years of experience in overseeing electrical installations across various sectors, demonstrating expertise in project delivery, quality monitoring, and health and safety management.



MARK COLLIER

HVAC ELECTRICAL ENGINEER

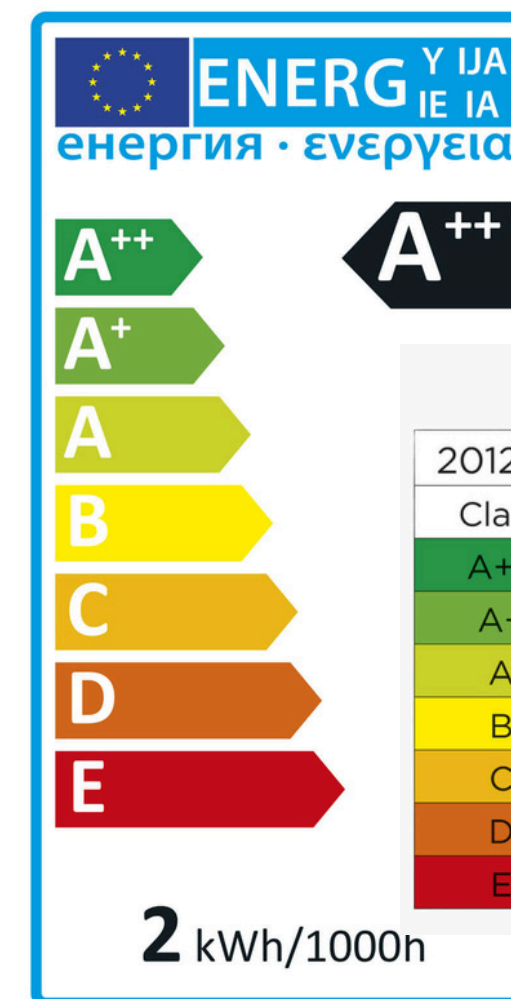
Mark has a strong foundation in electrical installation and HVAC systems, with expertise in both reactive and preventative maintenance. He has successfully handled diverse projects, including high-profile installations at the London National Theatre.

NEW LIGHTING REGULATIONS 2021

LEDs have sparked a revolution in electric lighting, with efficiency advancements in the last decade surpassing those made in the previous 120 years. Despite this progress, lighting still contributes to nearly 5% of global CO2 emissions, indicating the need for further action.

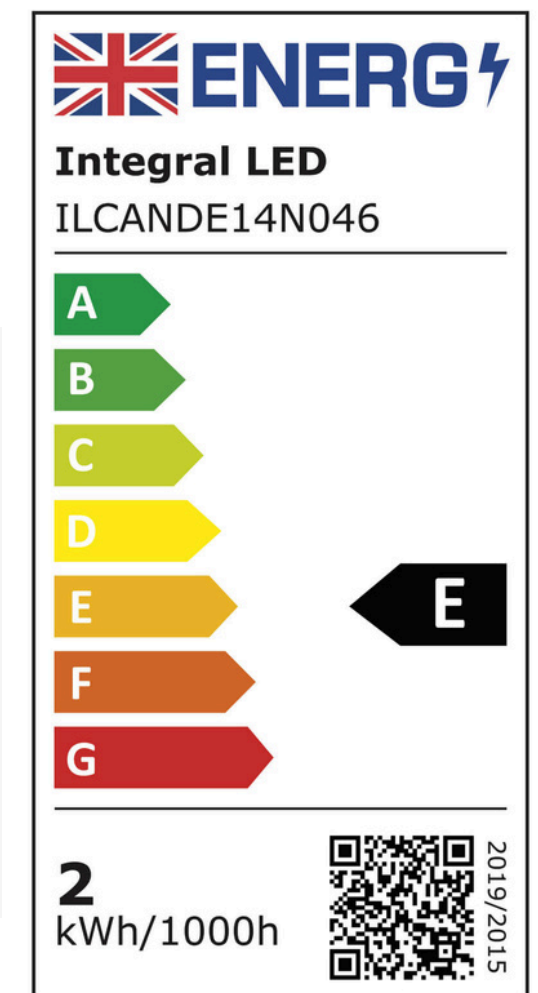
To address this, two new lighting regulations were introduced in the EU on September 1, 2021, with a unified regulation for the UK following on October 1, 2021.

The revised scale is still green to red in colour, but has a lettering scale from A to G with more efficiency needed to achieve these levels. As such, many products that were rated A++ will now be rated C or D.



PREVIOUS EU
ENERGY LABEL

OLD		NEW	
2012 -2020 label		2021 -> label	
Class	lm/W	Class	lm/W
A++	120	A	210
A+	55	B	185
A	50	C	160
B	15	D	135
C	12	E	110
D	9	F	85
E	0	G	0



NEW EU AND UK
ENERGY LABELS

The Ecodesign and RoHS directives aim to support the Global Goals and the EU's 2030 climate objectives, ensuring that lighting products meet environmentally friendly standards in both the EU and the UK.

Are your bulbs up to code?

1st September 2023



Halogen Capsules

24th
August
2023



Fluorescent T5



Fluorescent T8

24th
February
2023



Circline T5 & T9



CFLni



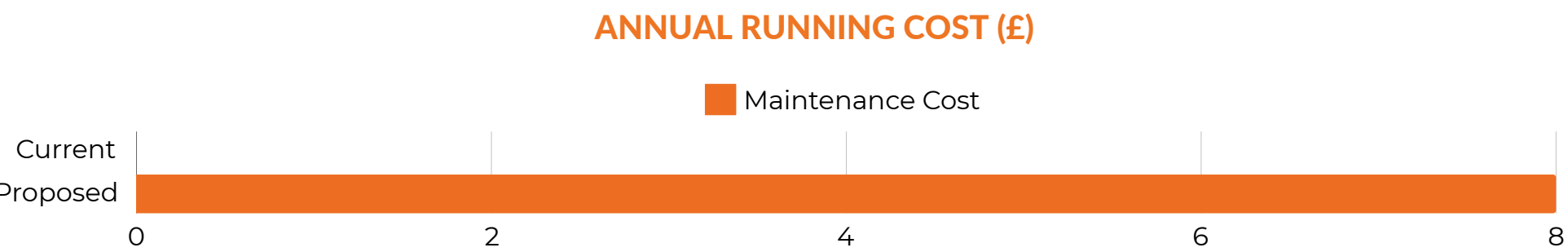
Metal Halide
(HSI)



High Pressure
Sodium (SHS)

LIGHTING PAYBACK

PROJECT PROPOSAL EXAMPLE



CURRENT £31,373.58
PROPOSED £10,476.53
TOTAL SAVING £20,897.04

CURRENT £95,295.82

PROPOSED £20,897.04

ANNUAL ENERGY CONSUMPTION (KWH)

No data to display

CURRENT 142,230 KWH
PROPOSED 50,429 KWH
TOTAL SAVING 91,801 KWH

TOTAL 4.56 YEARS
SAVING

ANNUAL CO2 CONSUMPTION (TONNES)

No data to display

CURRENT 77.55 TONNES
PROPOSED 27.49 TONNES
TOTAL SAVING 50.05 TONNES

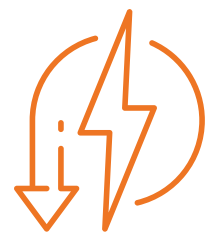
LAMP LIFETIME SAVING
£55,569.08

STRETTFORD COLLEGE

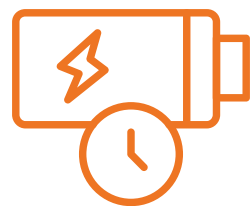
To swap out the six high-level flood lights with 200W LED lights, given that the current high output lamps consume an estimated 250W each. Among these fixtures, one is currently not working, which presents a possible health and safety risk.

The new LED fixtures cast a brilliant, even light over the entire perimeter, eliminating dark spots and enhancing visibility. The upgraded system not only improved safety, but also added a touch of modern elegance to the building's exterior.

The success of this lighting upgrade has prompted further discussions about additional improvements that could be made to the facility.



Energy-efficient



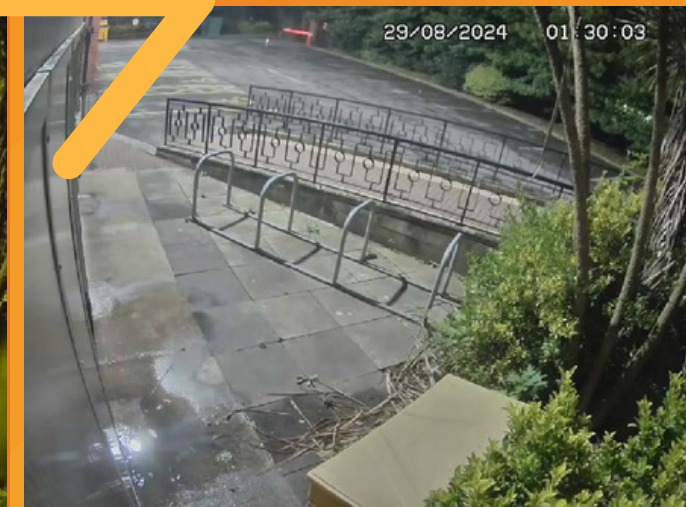
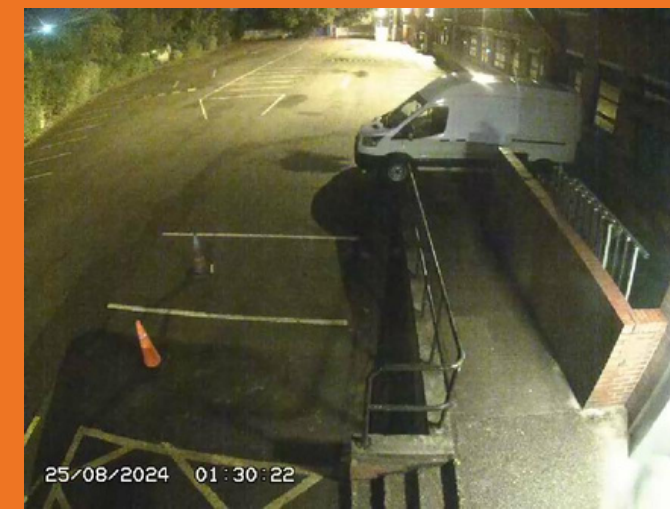
Longer Life
Span



Bright
Luminosity



Crime
Deterrent



MAYFLEX

The client requested a transition to LED warehouse lighting as the current lighting (LUX 144) affected staff working at their stations and operating forklifts to access stock from the shelves due to inadequate lighting.

The survey identified low lighting levels below 200 LUX and lights constantly on due to a missing switch, consuming 160W per day. To address this, individual sensors were added to each of the 178 fittings to activate lights only when needed.

The solution included installing 120 UFO-type LED fittings with 190W power rating each. This improved the illumination levels and reduced energy consumption.

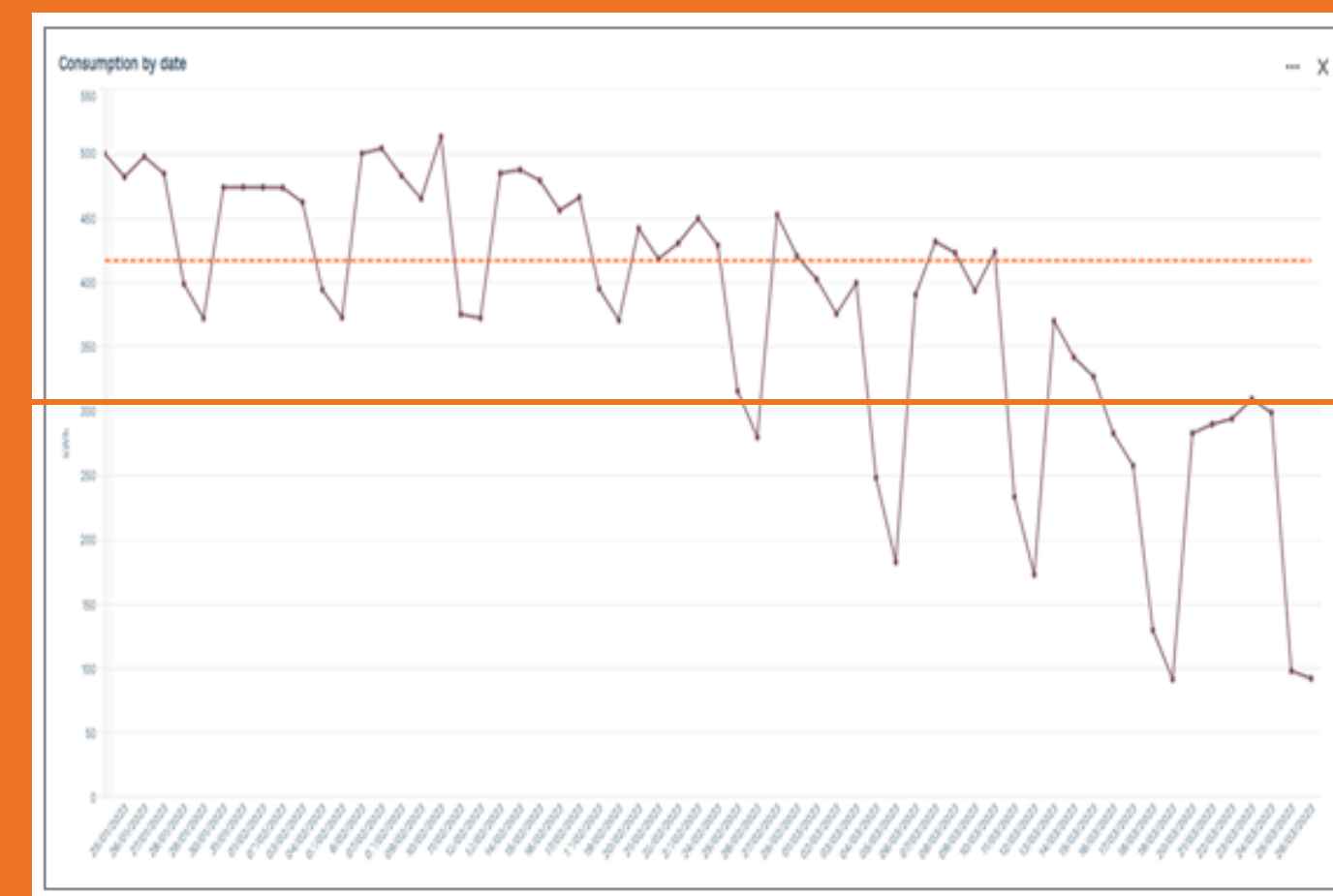


76.4 Watt reduction

Consumption

500

100



01/23 - 06/23

Following the installation, the client shared energy statistics indicating a significant decrease in kilowatt-hour consumption

TESTIMONIALS

"We have been working collaboratively with B-engineering Group for many years with no issues. We can always count on their support to get through what is sometimes complicated and demanding projects. The team are always current with all the latest technology and eco-friendly systems which works well with our own ethos of sustainability."

David Rose, Head of Projects, Wates Facilities Management

B-Engineering has provided our FGAS inspections, AC Repairs, and Installations since 2023. I have found them responsive to call-out situations sending well-trained and safety-conscious engineers to attend to site requirements. Some of our AC Units are aging and B-Eng has given good advice on replacements and has provided clear and competitive quotations. Highly Recommended!

*P. Carlyon, Engineering Planner
Pilkington NSG*

"This was our first time working with the B-engineering Group team, and the service and professionalism shown throughout the project was first class with regular updates given throughout. The project mobilisation was fast and efficient, the quality of work was excellent, and the project came in ahead of programme which ensured our heating system was back in operation ahead of the depths of winter"

Investment Property Management, Colliers



CONTACT US



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TEL: 01925 551516



Digital

[/b-engineering-group](#)
www.b-enggroup.co.uk

UNLOCK YOUR SAVINGS AND GO GREEN!

Call us now for your **FREE** consultation and discover how we can help you save money while decarbonising.

Don't miss out on this opportunity to make a difference!



JOHN WHELAN

ELECTRICAL ESTIMATING
MANAGER

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