



[laplacesolutions.com](https://laplacesolutions.com)

Innovation is the driving force behind everything we do. Opening up new opportunities & exciting solutions with every step we take.

### - Laplace Solutions



## A Central Location

### Belfast

Laplace are excited to welcome on board our new Belfast office.

### Reading

With offices based in Reading, Laplace have fantastic UK coverage, as well as developing our reach into the Irish & European markets.

### Glasgow

Our Headquarters are located in Glasgow, the most accessible city in Scotland, with great national and international transport links.





## Our Vision

Laplace Solutions are committed to helping businesses reduce their energy & running costs. We do this by implementing SMART, innovative, and sustainable solutions that meet customer needs.

We maintain our commitment via intelligent design, bespoke control systems, and exceptional service. By creating a sustainable future for our customers, we are creating a sustainable future for our business.

# Laplace Industrial

Laplace specialises in industrial process control and automation control systems. We design, manufacture, install and commission innovative solutions for our customers. We work with many clients across numerous industries, including renewable, manufacturing, utilities, food & beverage, etc.

We specialise in the design, installation and commissioning of energy management control systems for windfarms and energy distributors. Complete in-house design and engineering facility to all industries for the management and control of their production processes. Design is completed to all national and international standards to satisfy individual specifications and requirements.



We aim to put our customers in control of their energy usage such that it can be controlled to reduce costs and increase productivity.

Our combined experience and expertise enables us to provide a complete 'turnkey' service from the initial conception and design to operation, training and support. Our systems range from standalone installations to integrated network solutions utilising the latest Ethernet technologies.



82 windfarms delivered

Our technology used  
in 12 countries

Extensive knowledge of Industrial  
Communication Protocols, inc.  
Modbus, EthernetIP, DNP3,  
IEC61850, etc.

Our aim is to deliver outstanding  
engineering & support services, that  
fully integrate into your operations, allowing  
Laplace to meet all desired KPI's.

## Automation Systems

Laplace offer flexible automation systems for control operators. Drawing on our many years of experience in the process control and discrete manufacturing environments, Laplace are able to integrate the complex variety of subsystems found within the windfarm substations to provide an overall scalable monitoring solution tailored to the operators requirements.

Laplace design and build control panels for Substation PLC, WTG Substations (via Remote I/O), Battery chargers for tripping circuits, Grid Monitoring Station Panels, Remote Switching Panels (DLCPs), Fibre Patch Panels and combinations of these where space is limited.

**B E M S**

**R E M O T E M O N I T O R I N G**

**R E M O T E E N E R G Y B U R E A U**

## Laplace Buildings

Laplace specialise in the design, installation & commissioning of building management systems for heating, ventilation & air conditioning – improving energy expenditure & reducing environmental impact. Our expert certified engineers offer innovative, cost effective solutions to meet your energy management needs, from HVAC controls & panels to Building & Energy Management Systems (BEMS).

Our dedicated team of expert engineers will guide you through the design & installation phase of new buildings or we can retro fit complete new installations to existing buildings. Our technical expertise covers the main BEMS platforms in the UK and can be remotely monitored from our remote energy management centre. We have national coverage throughout the UK, with over 30 engineers on hand to offer their expertise and support.

“The services provided by Laplace have always met the needs of the University and we are able to access services at short notice, regardless of the job location or the work that requires to be carried out.

The engineers and tradesmen are trusted and always show a willingness to help. Pricing has always been fair and that, in conjunction with jobs well done, explains the long relationship between the University and Laplace.”



Kenny Allen - Head of Building Services

## Remote Energy Centre 24/7

Manned by expert BEMS engineers, Laplace operate a state of the art remote energy centre (REC) which is the hub of our energy solutions approach. We are remotely connected to over 1,000 locations where we manage and monitor our clients energy consuming assets.

Through remote connectivity to the site BEMS, our remote energy centre is able to remotely diagnose the cause of the reported issue and in 85% of cases, resolve the issue without the need for site attendance.

Where the issue cannot be resolved remotely, technical diagnosis commentary will be passed to the attending engineer by the remote energy centre support team, to assist them and the client to achieve a first-time fix on site.

[laplacesolutions.com](http://laplacesolutions.com)

## BEMS Alarms Monitoring

The BEMS System will maintain the customers operating environments within previously agreed parameters. Using in-house software solutions, Laplace Energy Solutions will track, monitor and report alarms at an agreed set of environmental parameters and policies, keeping you fully compliant at all times.

## Occupancy Profiling

We'll make sure your time schedules automatically adapt to accommodate patterns of building usage and operational requirements.

## Set-Point And Time Changes

Laplace will process site BEMS changes on the customers behalf. Set point changes would only be made if compliant with customer environmental conditions policy.

Up to 40% energy cost savings

Sustainability

Affordable

State of the art technology

Complete remote control of site / multiple sites

State of the art control



BMS linked back to our Energy Centre



24/7 remote support



Round the clock monitoring



# #ENERGY

#Metering #DataAnalytics

#LaplaceOnline

#EnergyAudits

#BuildingSimulation

#Software #EnergyOptimisation

#Experts #Retrofit #Newbuild

All businesses are looking to control their energy spend. It's one of the key areas of expenditure that every organisation has to face. Energy saving measures can range from buildings, plant and equipment upgrades to awareness programmes that help to change staff behaviour.

## Energy Monitoring

Increasingly stringent legislation on energy and soaring energy prices mean energy monitoring and targeting is now a critical part of every energy manager's job role. However, you can't manage what you can't measure. We help energy management professionals to interpret the raw data collected from energy meters on gas, electricity, water, external heat and CO2 emissions. This provides valuable management information to help determine energy strategy.

Laplace can provide a suite of energy reports, detailing your current energy consumption.

## A Complete Energy Partner

Laplace have the resources and scale to tackle even the biggest and most complex energy-related projects anywhere in the UK. Our qualified assessors are part of an extensive nationwide team of engineers, technicians and experts. They have the knowledge and skills to identify energy saving potential, and design and install appropriate systems or measures.

Our energy experts are delivering projects across the UK in various organisations such as whisky distilleries, universities, schools, colleges, food & beverage manufacturing plants & airports.



## Laplace Online

A wide-ranging platform for active energy management that enables monitoring of consumption through energy and financial indicators, data analytics, controlling and actuation features to ensure energy savings by promoting the best usage of energy & identifying wasted and abnormal consumption.

Our new online platform allows our customers to remotely monitor their utility data via a wide range of reports for both long and short-term trend analysis. Our energy experts will set up the account, to ensure the system is ready for the client to log into with their data already uploaded & stored. The system will require no software to be installed as the interface is web based and is accessed via web browsers. The interface is workable via tablet, desktop or laptop computer.

Laplace offer a 1 month **FREE** demo for our customers to navigate around the system &

[laplacesolutions.com](http://laplacesolutions.com)

explore how it works. Our energy analysts will upload real time customer data & provide secure log in details, together with any required user guidance & support.

Laplace help energy management professionals to interpret the raw data collected from energy meters on gas, electricity, water, external heat and CO2 emissions. This provides valuable management information to help determine energy strategy.

### A Suite of Reports

Laplace are able to provide a suite of energy reports, detailing current energy consumption, from short term through to long term energy analysis, league tables for multi-site comparison & energy tariff reports allowing analysis on unit costs, peak usage and potential load switching.

Our energy optimisation software integrates seamlessly into your existing BMS, HVAC plant, lighting control and other smart interfaces, in order to save energy by operating both intelligently and efficiently. It does this by taking on-board live weather forecasts, energy tariff data, building operation trends & real time data.

**Laplace Solutions -**





# startyourjourneywithlaplace

## Developing Sustainable Business

Laplace are committed to developing a sustainable partnership with our clients. Our business is passionate in ensuring we deliver our services in line with desired KPI's and client expectations. Our team are focused on energy & cost reduction, increased output & performance, improving building environments and lower running costs, as well as elevating sustainability to the c-suite.

## Our Promise

Laplace are focused on delivering on our promises. Our business operates as a living wage employer and a Glasgow living wage employer where we pride ourselves in complying with employment, equality, health, safety and human rights standards. We are ISO 9001, ISO 14001, BS OHSAS 18001 accredited, as well as Achilles, Safe Contractor, CHAS, Select, Constructionline (Gold).

## A Trusted Partner

Our BEMS energy audits comply with British Standard BS EN 16247 and the International Standard ISO50002. Any energy saving recommendations made will be aligned to the International Performance Measurement and Verification Protocol.

[laplacesolutions.com](https://www.laplacesolutions.com)

# Laplace Solutions Ltd

📍 Garscadden House, 3 Dalsetter Crescent,  
Glasgow, G15 8TG

☎ 0330 058 3040

@ marketing@laplacesolutions.com

🌐 laplacesolutions.com