



Loyalty   Safety   Innovation   Success



We provide a full range of Mechanical, Electrical, Energy and Renewables installation and maintenance services.

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**Building Long-Term  
Strategic Partnerships  
with our Clients**





# Mechanical

## Install & Maintain

We provide a full range of mechanical installation and maintenance services.

Our fully qualified team of engineers are experienced across a variety of industries such as Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector.



24/7/365 Reactive Maintenance including 1-hour response



Planned Preventative Maintenance



Statutory Compliance Testing



Project Works – Refurbishments and Extensions

## Services



Gas, Oil, Dual Fuel Heating Systems



Chilled Water Systems



Air Conditioning and Ventilation



Air Handling Plant



Legionella Control



Plumbing



Building Management Systems



Catering Equipment



Ground and Air Source Heat Pumps



Combined Heat and Power Units





# Electrical

## Install & Maintain

We provide a full range of electrical installation and maintenance services.

Our fully qualified team of engineers are experienced across a variety of industries such as Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector.



24/7/365 Reactive Maintenance including 1-hour response



Planned Preventative Maintenance



Statutory Compliance Testing



Project Works – Refurbishments and Extensions

## Services



Fixed Wire Testing (EICR)



Emergency Lighting Testing



PAT Testing



Lightning Protection



Fire and Security



Access Control



Electric Vehicle Charging Solutions



Solar PV



Lifts



LED Lighting





# Project Works

## Delivery











We carry out a wide range of Mechanical, Electrical, Energy and Renewables projects.

Involved from project inception, we take care of design and specification, right through to seamless delivery and handover.

Ranging from small-scale refurbishments and reconfigurations to extensions and renewable solutions.

Our team of fully qualified engineers has a track record in the successful delivery of a wide-variety of projects.

## Services

-  Refurbishment and Retrofit
-  Reconfiguration
-  Boiler Houses / Heating Upgrades
-  Electrical Infrastructure
-  Extensions
-  Solar PV
-  Electric Vehicle Charging Solutions
-  Ground and Air Source Heat Pumps
-  Combined Heat and Power Units
-  LED Lighting





# Maintenance and Compliance

## Services

We provide a full range of Mechanical, Electrical, Energy and Renewables services to ensure your buildings remain safe, compliant and efficient.

With over 25 years experience, we provide excellent service delivery and aim to add value and achieve cost savings for all our clients.

With a fleet of over 100 vans and fully qualified engineers supported by our experienced office staff we have the resources to meet your business's requirements.

## Benefits

-  Comply with legal requirements
-  Reduce business interruption costs
-  Minimise life and safety risks
-  Extend equipment lifecycle
-  Meet insurance requirements
-  Reduce repair costs
-  Minimise utility costs



24/7/365 Reactive Maintenance



Statutory Compliance Testing



Planned Preventative Maintenance





# Energy and Renewables



## EV Charging

A wide range of design, installation and maintenance services for both commercial and domestic EV charging solutions



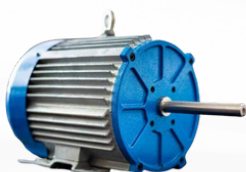
## Solar PV

Full range of design, installation and maintenance services for Solar PV solutions



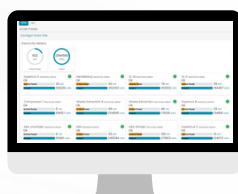
## Energy Auditing

Detailed review and analysis of how your business can implement efficiencies and reduce costs through Energy Auditing



## Smart Motor System

Installation and maintenance of the most efficient motors on the market for air handling units



## Energy Management System

Our Energy Management System allows you to monitor your business's energy usage through real time data analysis



Scan Me!





# Electric Vehicle Charging Solutions

## Services

We offer a fully integrated service for EV charging solutions including supply, installation, civils, maintenance and aftercare for both domestic and commercial clients.

Solutions are tailored to meet your needs and are supported through consultation with our experienced team of experts.

Throughout the UK and Ireland, we have installed chargers in a wide range of environments including Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector.



80% of cars and 70% of vans sold in the UK to be zero emissions by 2035

Source: UK Gov



The UK has seen a 42% year-on-year growth in public charging infrastructure

Source: UK Gov

## Benefits



Extensive maintenance and aftercare package



Reduce operational costs for commercial fleets



Reduce environmental impact and support the UK transition to Net Zero carbon emissions



Showcase your sustainability credentials and attract new customers



Take advantage of the UK's electric vehicle charging grant scheme







# EV Charging Packages



## Domestic Charging

Battery (kWh): 7.5 kW  
Avg. Charge Time: 4-8 hours



## Fast Charging

Battery (kWh): 22 Kw  
Avg. Charge Time: 2-4 hours



## Rapid Charging

Battery (kWh): 60 kW  
Avg. Charge Time: 1-1.5 hours



## Superfast Charging

Battery (kWh): 100 kW  
Avg. Charge Time: 1 hour



## Ultra Superfast Charging

Battery (kWh): 150 kW  
Avg. Charge Time: 30 minutes



## Speak to Our Team

Contact us on 02838397990  
or [info@irwinm-e.com](mailto:info@irwinm-e.com) to discuss  
how we can support you



# EV Charging Case Studies

## Belfast Met E3 Campus



The Irwin team supported Belfast Met in their drive towards a renewable future by providing EV Charging solutions and Solar PV across the E3 Campus.

We installed 2x 22 kW EV chargers at Belfast Met E3 campus which included full electrical infrastructure and civil works.

This project was a revenue generation scheme which has allowed the college to re-invest the income generated. The college was pleased with the project and have since installed further EV chargers.



*Belfast, Co. Antrim*



*Completion Time: 2 weeks*



*22 KW System*

## SERC, Bangor Campus



Supported by Irwin, SERC Bangor Campus is transitioning towards a renewable future by providing EV Charging solutions and Solar PV across their site.

We installed 2x 22 kW EV chargers at SERC, Bangor Campus which included the design of the electrical infrastructure. We also assisted in the selection of the appropriate charger to meet the client's immediate and future requirements on campus.

This project was delivered on a live, operational campus environment with minimal disruption.



*Bangor, Co. Down*



*Completion Time: 2 weeks*



*22 KW System*





# Solar PV Solutions

## Services

We offer a full range of design, installation, maintenance and aftercare services for Solar PV solutions for both domestic and commercial properties.

With an experienced team of experts, we offer excellent industry advice on the best Solar PV system to meet the demands of your home or business. Add battery storage or hot water diverters to your array to ensure you are harnessing the most from the sun.

Throughout the UK and Ireland, we have installed Solar PV solutions in a wide range of environments including Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector.



Striving towards achieving Net Zero



Bespoke Solar PV solutions



Drive efficiencies and reduce costs

## Benefits



Reduce electricity costs by up to 30%



Average payback period of 5-10 years



Extensive maintenance and aftercare package



Reduce carbon emissions



Reduce environmental impact and help the UK transition to Net Zero carbon emissions



# Solar PV Case Studies

## Dunluce Health Centre



In partnership with the Belfast Health and Social Care Trust, we successfully delivered a 25 kW Solar PV array on-site for Dunluce Health Centre.

The funding for the project came from the 'Invest to Save' scheme and is estimated to save the Trust in the region of £2,000 per year, with 22,000 kWh per year saving and reduce carbon emissions by approximately 10 tonnes per year.



Belfast, Co. Antrim



7-year System Payback



25 KW System

## Belfast Met E3 Campus



We installed a 100 kW Solar PV array at the Springfield Road E3 Campus for Belfast Metropolitan College.

The funding for the project came from the 'Invest to Save' scheme and is estimated to save the college in the region of £10,000 per year, and reduce carbon emissions by approximately 50 tonnes per year.



Belfast, Co Antrim



5-year System Payback



100 KW System





# Smart Motor System








## Services

In collaboration with Everun, we are excited to offer Turntide technologies, the innovative Smart Motor that accelerates electrification and sustainable operations for high energy users.

Through a simple drop-in solution to air handling units, the Turntide Smart Motor delivers immediate and long-term savings, eclipsing any similar motors on the market.

We install this solution throughout various sectors including Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector to improve energy efficiencies and reduce costs.

## Benefits

-  Typical 2-3 Year Payback Period
-  Up to 64% reduction in HVAC energy usage
-  Drop in replacement, no re-design
-  ROI similar or better than LED
-  User-Friendly dashboard for data storage, analysis and automated alerts
-  5-Year Warranty
-  If results are not close to or better than expectations on initial desktop analysis, we will reinstate your original motors at our own cost



Turntide Motor



Turntide Controller



Turntide BOS app

Powered by



real time asset  
management

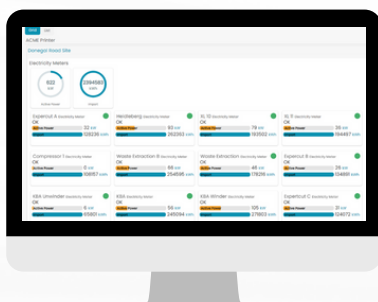
# Energy Management System

## Services










In collaboration with Izon, the energy management system allows your business to directly access your assets' live energy consumption.

Izon is a real time asset management software platform that acts as a central hub to report on all of the energy consumption of monitored buildings.

Through the analysis of live data, Izon enables businesses to make educated and informed decisions on how they can reduce their energy consumption, reduce utility bills and reduce carbon emissions.



## Benefits

-  Analyse consumption, performance and costs to highlight inefficiencies and make informed decisions
-  Automated SMS and email alerting on non-compliance
-  Visualise accurate running cost of each asset
-  Forward budget with certainty
-  Zonal tracking of assets
-  Customisable dashboard
-  Assist your SECR and other carbon reporting requirements
-  Utility monitoring including electricity, gas and water consumption
-  Trend any metric; temperature, vibration, speed, pressure, etc.





# Energy Audits

## Services

Rising energy costs and Net Zero targets mean businesses are under pressure to find solutions to help them reduce their utility costs and carbon emissions.

We provide an energy auditing service which involves an in-depth review and analysis of the performance and management of energy consuming plant for organisations throughout a range of environments including Healthcare, Education, Government, Local Council, Industrial, Retail and the Private Sector.

We compile a comprehensive report which details opportunities where your business can improve energy efficiency, reduce costs, reduce carbon emissions and help you on your pathway to Net Zero.

## Benefits



Analysis of the performance and management of energy consuming plant



Trend analysis on current energy consumption and carbon emissions



Identification of innovative solutions to improve energy efficiency, reduce costs and carbon emissions



Support with the implementation of solutions



Advice on cost free measures to improve performance and reduce costs

# What Our Clients Say

*"We have recently partnered with Irwin for a number of Reactive and Minor Works projects. Not only were the jobs completed to the highest standard, Irwin provided a service that went above and beyond the scope of works by demonstrating excellent customer service, communication and professionalism. Their responsiveness in reacting to an issue or providing a quote is second to none".*

Harry Eastwood  
Aftersales Manager  
Agnew Mercedes-Benz

*"The Education Authority continue to be very supportive of Irwin as one of the largest and trusted term service contractors currently in partnership with the Education Authority who adapt and meet the needs of the service. Irwin deliver a high volume of reactive, statutory and capital works to a very high quality whilst operating at a professional level."*

Alister Walker  
Senior Maintenance Manager  
Education Authority



## Head Office



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## Belfast Office



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