An efficient, healthy and comfortable home… because you deserve it!

Complete Electrical, Mechanical & Renewable Energy Solutions

Our knowledge. Your benefit.
Introduction

Our Knowledge, Your Benefit

Energywise Ireland is an expert in the field of renewable energy heating and ventilation systems and electrical products and services. We offer great solutions for any new build, retrofit or refurbishment project - domestic or commercial.

We offer choice and solutions and are committed to providing you with the best quality products on the market, combined with an outstanding installation service at the best possible price - no matter what size your project is!

One Stop Shop

Energywise Ireland can take care of your project from start to finish. Our in-house design service means that we can provide you with detailed heating, ventilation and electrical drawings at design stage. We offer a full installation service complete with final commissioning and certification of your project.

Knowledge, Expertise & Choice

Our knowledge, expertise and choice of products enable us to provide you with honest and clear information about suitable products and services for your projects. This allows you to make informed decisions and take the next step towards the ideal systems that will meet your requirements and budget.

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Our Energy Saving Showroom
Energywise Ireland’s showroom in Cork is the Largest Energy Saving Showroom in Munster. We display all our products from air-to-water heat pumps, underfloor heating and radiators to all-in-one heating/ventilation systems, LED lighting, PV and water heating solar panels and much more.

Reduce Energy Consumption
All of our solutions are tailored to reduce your energy consumption which in turn will lower your energy bills. Our team of experts are here to give you free information and advice on the most energy efficient systems that are available in the Irish market.
Our In House Design Team

We remove the guesswork and help you to meet Building Regulations Part F and Part L by providing you with AutoCAD drawings of the entire electrical, heating and ventilation system layout.

Building Regulations

Part L of the Irish Building Regulations states that “a building shall be designed and constructed so as to ensure that the energy performance of the building is such as to limit the amount of energy required for the operation of the building and the amount of carbon dioxide emissions associated with this energy use insofar as is reasonably practicable.”

Our in-house design service will allow you to visualise and coordinate all your building services giving you more control of your project.

If you use Energywise Ireland for your project, we will produce a Project Folder tailored to your project with all the information that you or the other trades will require for the seamless installation of our systems.

We can provide a design service for the mechanical and electrical services of your home for your architect, engineer or builder in order to help your home comply with the building regulations.
Heat Pumps - Heating and Hot Water

How Heat Pumps Work

Heat energy is a natural resource that is constantly replenished by the sun. This is readily available in the ground, air and water. A heat pump is able to harvest this energy to heat your home and supply hot water. The concept of how a heat pump works is very simple -

1. Air passes the heat exchanger and refrigerant absorbs the heat from outside air
2. The vapour passes into compressor and compression increases the temperature
3. Hot vapour is condensed in second heat exchanger, rejected heat is passed into heating/hot water system
4. The liquid refrigerant passes back through expansion valve ready to start cycle again

A heat pump transfers or pumps heat from one place to another. It moves it from a low temperature source like the ground or air and releases it at a higher temperature into your home heating system - underfloor heating, radiators, fan coils or other indoor heating units.

Efficiency of heat pumps: 70% of heat is extracted free from the air.

A heat pump produces far more energy than it consumes. For every kilowatt-hour purchased you receive a free contribution from nature comprising a further three to five thermal kilowatt-hours.
Daikin Altherma Low Temperature Integrated Heat Pump

The Daikin Altherma heat pump is a clever, efficient inverter controlled air to water heat pump for heating and hot water applications.

The Daikin Integrated indoor floor-standing unit combines heating with domestic hot water heating. The compact unit has a small footprint, but it offers big benefits. It features a high-capacity 180 or 260l tank with 50% less heat loss compared to a standard tank. Intelligent controls offer a schedule function (heating the tank at a specified time of day) and a reheat function (automatically reheating when the temperature drops below a specified minimum).

A well insulated home will have a varying heat load depending on the ambient conditions. A heating system is usually sized for worst case scenarios but an inverter based heat pump can vary its heat output to match the heat load of your home. Energywise Irelands solution will react and ensure your only consuming the exact amount of energy required to heat your home.

Benefits of Daikin Altherma Integrated Heat Pump

- Save up to 70% compared to oil fired boiler system
- Easy to operate
- 5 year warranty
- Small foot print for hot water cylinder
- Internally plumbed- no heat lost to outside
- Easy to operate
- Automatically operates at most economic capacity
- Space heating and domestic hot water
- Inverter Technology
Daikin Altherma Hybrid - Heat Pump And Gas Condensing Boiler In One, The Best Of Both Technologies!

The Daikin Altherma hybrid heat pump is controlled by smart hybrid logic. This automatically selects the most cost-effective heating mode at any time of day or night, all year-round.

It takes into account external temperatures and internal heat and hot water demand, as well as the relative cost of gas and electricity.

Home-owners and tenants can input their latest energy tariffs so that the smart hybrid logic control can identify the most economical operating mode. It maximises the use of the heat pump as long as this is more cost-efficient than using the gas boiler.

This is a very viable technology for existing homes where there is already a gas supply and the existing heating system needs an efficiency upgrade.

Benefits of Hybrid Heat Pump
- Up to 35% efficiency increase when compared to condensing boiler
- Automatically operates in most economic mode
- Heating and domestic hot water
- Hybrid technology
- Gas condensing boiler of 33kW
- COP in operation of 5.04
- 5 year warranty
Daikin Altherma High Temperature Heat Pumps

The Daikin Altherma high temperature inverter heat pump is an air to water heat pump that can produce up to 80degC and is suitable to provide your home with heating and hot water. It’s an ideal replacement for a traditional boiler as it connects seamlessly to your existing piping and radiators, making it the perfect solution for renovations!

With the Daikin Altherma high temperature heat pump, you enjoy the efficiency of a heat pump without having to replace any of your radiators. This heating system makes it easy to replace your existing boiler without having to make any other changes to your existing heating system’s piping.

Benefits of Daikin Altherma High Temperature Heat Pump

- Ideal for retrofit applications
- Easy to operate
- 5 year warranty
- Up to 80 Degrees from the heat pump
- Heating only or heating and hot water
- Ideal for high temperature radiators
- Automatically operates at most economic capacity
- Easy to operate
- Space heating and domestic hot water
- Small Footprint
Energywise Ireland supply the most modern, energy efficient technologies for all your hot water needs. Our Wiseair HPC freestanding cylinder with an integrated air-to-water heat pump uses the energy available in the ambient air temperature to provide the most energy economical form of water heating.

The Wiseair HPC is one of the most efficient and cost-effective water heating heat pump cylinders in Europe. It has a variety of installation options and configurations.

The Wiseair HPC hot water heating solution is especially suitable for homes that only have an immersion heater to heat the water. It is also especially suited to dairy farms for hot water production. The heat pump is so well insulated, tests show losses of only 0.7kWh/24hrs.

It has the capacity to produce 800 litres of hot water within a 24 hr period and heats water to a temperature of 52.5°C. The energy saving potential of the Wiseair HPC is up to 65%. With the built-in boost heater, the water can be further heated up to 80°C.

With the Wiseair HPC system, you have the option to fit ducting to the heat pump cylinder to ensure heat and moisture is taken from any desired location.

Want to know more about Wiseair Heat Pump Cylinders? Contact Energywise Ireland for more information.

Did You Know?
Wiseair heat pump cylinder utilises energy from the air to heat water efficiently.
Solar Water Heating

Solar Solutions

Traditional solar tubes and flat plates work well in Ireland and produce up to 60% of a household's annual hot water demand.

Energywise Ireland supply and install Kingspan and Daikin DrainBack systems.

Thermodynamic Solar Energy

Thermodynamic Solar captures the environmental energies such as solar radiation, air and rain temperature. The thermodynamic solar collectors located on the roof or gable wall transport the captured heat into the water, producing water temperatures at 55°C all year round. They produce hot water, even at night.

Did You Know?
Thermodynamic solar heats water all year round and even works at night!

Benefits

- No risk of overpressure during summer.
- The panels are resistant to exterior aggression.
- The panels are resistant to interior corrosion.
- The panels are lightweight (8kg).
- No power supply needed for defrosting.
- Minimal maintenance.
Underfloor Heating
Underfloor Heating

Underfloor heating is a very clean and simple form of heating, ideally suited to today’s well insulated, low-energy and airtight buildings.

The heat emitted from an underfloor system is more evenly distributed than radiators. An underfloor system requires lower water temperature than radiators, making it a more efficient way of heating your home and ideally suited to a heat pump installation.

Greater efficiency means lower running costs.

Did You Know?
Underfloor heating is commonly installed with stone, ceramic or tile floors, but can also be installed with wood, lino or carpet.

Comfort & Health

Since radiant heat is the most natural and comfortable form of heating, an underfloor system will provide true comfort levels, giving a gentle feeling of warmth throughout your home.

An underfloor heating system reduces the circulation of airborne pollutants. It also helps to reduce house dust mites as the moisture content is too low to allow dust mites to live. This is great news for anyone with allergies or asthma.

Energywise Ireland can provide the necessary experience and expertise for an efficient cost effective underfloor heating system. Our clients have the reassurance that all our installations are designed in accordance with BS EN1264 and come complete with professional CAD drawings.
Aluminium radiators

Energywise Ireland’s Aluminium Radiators are designed to combine aesthetics, performance and a high level of comfort. They can be installed in conventional heating systems as well as low temperature systems using heat pumps, condensing boilers etc.

The reduced water content in aluminium radiators ensures the system responds with the maximum speed at the slightest change in temperature. Also the reduced water content means that they are more efficient than traditional steel radiators.

Fan assisted radiators

Fan assisted radiators deliver a high heat output relative to their size. They can be heated by traditional heat sources or by modern low temperature sources such as heat pumps. They are especially suited to rooms that need a lot of heat but where there is limited space to fit the traditional radiator. Fan assisted radiators are available in similar sleek modern design as aluminium radiators and come with built in thermostat control.
What our clients say...

Heating Controls
Total Heating Controls

Energywise Ireland offers total heating control in the palm of your hand. Our system delivers control from anywhere, functionality directly on your smartphone or tablet. It’s the most convenient method of controlling your home heating and hot water; wherever and whenever you want. The free App is designed to work perfectly with central hub and stats. Together they present an advanced heating control solution that is perfect for modern lifestyles.

Did You Know?
The SEAI has stated that typically homeowners can reduce their energy usage by up to 20% by installing heating controls in their home and using these controls in an efficient manner.

Slim & stylish digital thermostat delivers the ideal temperature in every zone.

The app gives you total control from anywhere. No more heating an empty house!

Plug and Play hub connects to spare port in your home router eliminating any complex setup.
Heat Recovery Ventilation
Ventilation

Heat Recovery Ventilation

Over the past few years, ventilation has become one of the main focus points when building a property. Optimising insulation is the key issue but that often results in poor air quality, condensation and mould. But there is a good solution: heat recovery ventilation (HRV).

The Lungs of Your Home

HRV systems exchange stale air for fresh air, and recover heat in the process. This means a constant supply of fresh and filtered air and the removal of stale/ damp air and pollutants, without the heat loss associated with natural ventilation.

Did You Know?
The filtered air from a heat recovery ventilation system is also very beneficial for all who suffer from allergies!

Benefits of an effective ventilation system

- Constant supply of fresh filtered air
- Fresh healthy living environment
- Saving energy, lowering energy bills
- Reducing pollutants and allergens
- Low noise
- Easy to install
- No cold drafts
- Selection of heat recovery ventilation units to best suit your application

“The house is always very comfortable and we can’t believe how fresh the air is within our home.” – Liam L. in Cork
WiseAir® Ventilation Ducting

WiseAir® Ducting System

Energywise Ireland’s air distribution system, WiseAir®, utilises semi-rigid flexible ducting with a unique acoustic manifold and regulating air flow plenum boxes. This ensures a well-balanced low noise system where longevity and functionality are guaranteed.

The WiseAir® ducting is joint-free and so is the ideal system for installation in an enclosed ceiling space, unlike the traditional branch leg system. The semi rigid ducting is double layered with an anti-static and anti-bacterial protection which inhibits the growth of mould and bacteria. Our manifold system provides easy access for cleaning and is noise reducing.

Grills and Valves

The choice of grilles and valves for a ventilation solution is important, as these effect the air distribution and are the only visible elements on completion. Energywise Ireland’s range of elegant grills and valves can be installed in floors, walls or ceilings and do not leave any unsightly installation holes.

Benefits of Ducting System

- Space saving
- Anti static & anti bacterial
- Easily cleaned
- Sound absorbing
- Crush resistant
- Prevents crosstalk

Did You Know? Wiseair Ducting system is used to deliver fresh filtered air in evenly throughout your house.
One system, Countless features

The Nilan Compact P is not just a heat recovery ventilation system. It is an all in one total solution combining heating, ventilation and production of sanitary hot water. It utilises the waste heat from the exhaust air to produce sanitary hot water.

Pleasant & healthy indoor climate

Our Compact P ensures a daily air exchange with the removal of dust particles, smells and excess humidity in exchange for a pleasant and healthy indoor climate.

Heating & cooling

When it is hotter inside than outside the house, a built-in bypass lets cool air directly into the house. It also has the ability to heat and cool the house using its built in air-air heat pump.

A total solution

If you want a total solution, a Nilan Compact P combined with it’s outdoor air or ground source heat pump may be the ideal solution for you.
What our clients say...

Mission

Our Mission

Photovoltaic PV Panels

Electricity from sunlight
Electricity from sunlight

Photovoltaic (PV) is a method of generating electrical power by converting solar radiation into direct current electricity. You can then utilise this electricity in your home or business.

Solar in Ireland

In Ireland, we receive a vast amount of solar energy with the average amount of energy received in a year being as much as 60% of that received on the equator.

Features & benefits

- Reduce electricity bills
- Environmentally friendly
- Sound investment
- Completely safe
- Outstanding warranty - up to 25 years
- High output
- Maintenance free

Did You Know?
Solar PV can meet your full renewables requirement to achieve Part L building compliance!

“I am producing more electricity than I use.” – Eugene F. in Tralee
PV Monitoring

Energywise Ireland’s SolarEdge power optimiser allows you to monitor your PV electricity production. Performance of each and every PV module is measured and communicated across existing power lines in order to maximize solar power harvesting at all times and reduce maintenance cost and time. No hardware or wiring is required to transmit data from the power optimizers to the inverter: the monitoring sensors and transmitters are built into the SolarEdge power optimizer and solar inverter, and measurement data is transmitted over the regular power lines.

PV Optimisation

Many different options are available for installing your PV panels whether it’s on the roof, flat roof or ground installations. Using our PV optimisation system, we can optimise your PV panels giving you maximum efficiency.
Electrical Services

Energywise Ireland is proud to be recognised as a company with an excellent reputation for high quality electrical services and installations. Energywise Ireland is a Registered Electrical Contractor (REC). From the 1st of October 2013 only a Registered Electrical Contractor (REC) can carry out most electrical work in your property. Energywise Ireland is also registered under Safe Electric which means that we are officially registered and insured.

We are your one-stop shop— we design, install, maintain and repair electrical systems for any domestic, commercial or industrial project.

Building Automation

Energywise Ireland is certified to use KNX control systems for home and building automation. KNX can control your lighting, security system, heating, ventilation, air conditioning, energy management as well as household appliances and audio/video in one control system!

Did You Know?
A KNX control system will contribute significantly to conserving your energy use.

KNX is an internationally used open technology that controls electronic devices within commercial & residential buildings. The KNX automation technology allows integrators the flexibility to purchase products from multiple vendors while having the security & peace of mind that they will work seamlessly together.

Our in house team have been trained in smart building automation so you can be assured you will be best advised on how to future proof your home or building. Our design team are also on hand to offer you a design specification along with detailed electrical drawings.
Smart Living, Clever Control

Automation control is key to maximising your energy savings. We are here to ensure that your home automation for lighting, heating, ventilation gives you comfort in an easy control manner.

ABB-free@home® transforms your living or working space into an intelligent environment. Whether for blinds, lights, heating, air-conditioning or door communication – comfort, safety and efficiency can finally be remote controlled.

Small Changes, Big Effects

The ABB-free@home® system makes home and small commercial building automation easier than ever – via app, computer, tablet, smartphone or via touch control - setting new standards for easy operation, installation, commissioning and configuration. Comfortable right from the start. With ABB-free@home® all applications in and around the house are amazingly easy to combine and control.
LED Lighting

LED lighting is efficient and cost-effective as LED lighting can save up to 80% in energy consumption over traditional lighting products. LED bulbs used in fixtures inside the premises save electricity, remain cool and save money on replacement costs as LED bulbs last much longer.

Low energy lighting upgrades are suitable for:

- LED Lighting
- Homes
- Supermarkets
- Small or large retail outlets
- Offices
- Showrooms
- Commercial buildings
- Hotels
- Hospitals & surgeries
- Nursing homes
- Factories
- Churches
- Domestic properties

Did You Know?
We have a dedicated LED lighting section in our Energywise Showroom. We offer free energy audits to all of our commercial clients.

“We have saved so much money on our electricity costs” – Cinderella’s Closet, Cork
Central Vacuum Systems
Energywise Ireland offers the DrainVac central vacuum system. This superior vacuuming system is versatile as it can also vacuum water spillage and clean carpets.

**The newest Automatik system**

This patented DRAINVAC central vacuum does it all! It takes both dry and liquid substances, and then it drains them automatically into your sanitary piping. All you need to do is plug the hose into one of your inlets and start cleaning. When you’re done, put the hose away.

That’s how easy it is to clean with the Automatic Series, perfect for any house.

**Advantages**

- Wet and dry vacuuming.
- Great for vacuuming up water damage and for cleaning.
- Carpets, upholstery, car interiors and more.
- No post-cleaning maintenance required.
- No need to wash the tank.
- Improved air quality.
- Superior suction.
Energywise Ireland installed the electrical, LED lighting, geothermal heating, HRV and central vacuum in our new home. We found Berth and his team to be very pleasant, focused and committed to their work. Their work was of a very high standard and Berth was always available to discuss any issues that arose during the project. I would highly recommend Energywise Ireland.

Berth how can we possibly thank you and your company enough! We can now enjoy our home with a cosy warmth. We have an evenly distributed heat passing through our house every day. The pump itself is so quiet that family and friends visiting have often wondered how the house was kept so comfortable. To our surprise, our total electricity bill for our 3000 sq ft house was €1,200 for the year. This covered our domestic hot water, heating and general electric usage. The savings are great! After our utility calculations we are now paying a substantially lower percentage which is just brilliant. Berth, you have made our future look very bright. Thank you.
“Energywise Ireland were competitively priced at 15-20% lower than other suppliers offering similar services. They took the time to take us through the new systems being installed and the benefits and cost efficiencies of same. Darren and Berth and the team were extremely professional and knowledgeable. We are blown away by the perfect fresh air and heat balance that the combination of systems has achieved. The house temperature remains at 20 degrees which is a blissful living environment for an Irish winter. Thanks lads for making our self-build easy!”

“I had been researching the new developments in renewable energy for a couple of years in preparation for my build. I met the Energywise Ireland team at their showroom in Blackpool in Cork City and found the team to be very knowledgeable. From the initial enquiry stage right through to the after care service has been of the highest quality and the ability to pop into the showroom at any stage is very reassuring. The team provided me with design drawings in advance of all works which gave me great assurance that I knew exactly what was being done in advance. The house is always very comfortable and we can’t believe how fresh the air is within our home. Our running costs have been very low to date and we are looking forward to a lifetime of comfort in our new energy efficient home.”
Seeing is believing!

Come and visit our showroom in Cork

Energywise Ireland invites you to our Energy Saving Showroom in Cork. Here you can see a wide range of our products and get more information about what products and services would suit your project.

Open daily from 9:30am - 5:30pm

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