

We are Vesta Eco

Building Innovation





Why Vesta Eco Building Innovation?

Vesta Eco Building Innovation is at the forefront of renewable energy technology as a Heating Ventilation Air Conditioning (HVAC) company, with the ability to design bespoke systems to meet the individual needs of our customers, and provide lifetime maintenance and servicing.

We are fully certified as a Mechanical Electrical Plumbing (MEP) company, meaning that we have our own installations teams and do not rely on third party installers. This enables us to ensure that our service and customer care is consistently first in class across the whole company. Experience and knowledge are key to ensuring the highest service standards are met, and Vesta Eco Building Innovation currently employes a site management team of qualified individuals with over 75 years' combined experience in the renewable energy industry.

Vesta Eco Building Innovation takes pride in our commitment to our excellent customer service and can deliver eco-friendly mechanical and electrical innovation to benefit our customers. We offer a one stop shop solution for all of your renewable energy needs, delivering help and support throughout the full lifetime of the product.

OUR ACCREDITATIONS



More regularly being added





In a typical household, over half of the fuel bills are spent on heating and hot water. You could save up to £1,250 a year and reduce your annual CO₂ emissions by over 600kg by replacing an old inefficient (G-rated) LPG boiler with an efficient air source heat pump.

John Templeman, Joint CEO and Founder

Figures based on an average-sized four-bedroom detached house courtesy of the Energy Saving Trust website



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Our brochure is designed to help you make the right choice when deciding to install a renewable energy system. If you need any further information, please do not hesitate to ask your renewable energy consultant during your survey or design visit or call us on:

John Templeman / T. 07828 885 130

Dan Asbury / T. 07791 241 110

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Our story

Dan Asbury and John Templeman are specialists in renewable heating and cooling systems. With over 40 years' combined industry experience for the installation, maintenance and management of air-conditioning, ventilation, plumbing, and electrical and solar PV, they are most recently the owners of Global Mechanical Services Ltd - a successful mechanical services installation company that has designed and delivered high-performance specifications for a number of large-scale businesses including Marcus by Goldman Sachs.

Dan and John met in 2008 at a FGAS course. At the end of the last day, their course trainer started talking about the impact that their industry had on the environment, and how burning fossil fuels and the release of carbon dioxide was speeding up climate change and causing further extreme weather. It was then that John and Dan realised that they could do their part to protect the planet by specialising in and communicating the benefits of renewable energy technologies to all of their clients and developers. They decided to combine their expertise and start their own company with a focus on having a positive impact on the environment, and Vesta Eco Building Innovation was born.

OUR MISSION

We're committed to making the UK property market eco-friendly by supporting to deliver a lower carbon footprint while simultaneously providing homeowners and businesses with lower total energy costs.

As fellow inhabitants of planet earth, we at Vesta Eco Building Innovation recognise the need to reduce the carbon footprint of our homes and businesses.

As engineers, we have the experience, technology, and team in place to install cost efficient and eco-friendly renewable energy solutions nationwide.

OUR COMMITMENTS TO YOU

To keep in pace with society, we only provide energy-efficient heating and cooling solutions that meet and exceed the current stringent legislative requirements. As technology developments and learning result in a decrease in cost for renewable energy technologies, we will provide cost-effective solutions to update and future proof properties.

Partnered and working with a range of top renewable energy technology providers, we offer combinations of technology to provide the most energy efficient solution for every home and business.



How we work

Vesta Eco Building Innovations' end-to-end solutions model revolves around giving our customers a complete package, providing renewable energy solutions to meet any and every customer's need while also delivering help and support throughout the full lifetime of the product

SURVEY

We don't believe in the hard sell, and offer our expert advice by providing our clients with a free desktop survey with no obligation to buy.

DESIGN

With our wide range of renewable energy products, Vesta Eco Building Innovation is able to configure your system to provide the most energy efficient solution for every home and business, including providing generation figures and financial predictions.

INSTALLATION

Vesta Eco Building Innovation's experienced, dedicated, and knowledgeable in-house management team delivers first in class service and takes pride in every job.

AFTER-CARE

Our installations include the use of our customer care line, offering our customers peace of mind knowing that should any issue arise that it will be handled by our in-house teams promptly and effectively.



Making energy saving improvements to your property could increase its value by 14% on average, and up to 38% in some parts of England.



Figures courtesy of the UK government Department of Energy & Climate Change



Benefits of switching to renewable energy technologies

REDUCE YOUR ENERGY BILLS

As fossil fuels become increasingly scarce, their demand and price will increase. By powering your home with energy generated by the sun, ground, or air, you can save hundreds of pounds every year on your energy bills.

BENEFIT THE ENVIRONMENT

Renewable energy puts an end to the production of greenhouse gases, reducing your carbon footprint. Reducing our reliance on fossil fuels helps us to improve the UK's air quality and breathe cleaner air.

IT'S AN INFINITE RESOURCE

We'll always have wind, sun, and water, so by generating electricity from these clean sources of energy, we can support in protecting the Earth's resources and never have to worry about running out.

GENERATE AN INCOME

Through Government incentives such as the domestic Renewable Heat Incentive (RHI), switching to a heating system that uses an eligible renewable energy source can enable you to receive payments for the amount of clean, green renewable energy your system produces.

FUTURE PROOF YOUR HOME

Protect yourself from rising energy costs by generating your own energy with renewable energy technology. And with regular maintenance, the life cycle of renewable energy products can exceed 25 years, far longer than the average lifespan of a conventional boiler at 10-15 years.

INCREASE PROPERTY VALUE

Installing renewable energy systems in your home can help increase its value. You may also be able to recoup a significant amount of the cost of installing renewable technologies on sale by improving your homes energy performance and gaining energy independence.



Products



Using a combination of systems, we can produce up to 100% eco efficiency, ultimately reducing the carbon footprint and energy running costs



Dan Asbury, Joint CEO and Founder

Nature is our most fundamental source of energy, and by utilising the power available in nature we can cool, heat, ventilate, and supply homes with hot water, all with minimal impact on the environment. This renewable energy is an integral part of reducing carbon emissions generated through creating the perfect indoor climate.

Vesta Eco Building Innovation offers eco-friendly solutions using state of the art technology, making properties self-sustainable and reducing their overall carbon footprint. With a wide range of products available, we won't hesitate to be honest with you if the solution you request won't work for you, and we will be able to recommend and supply the technology that will provide the best outcome.



Solar Photovoltaic and Thermal (PV)

Solar energy systems have very little impact on the environment. New innovations in technology provide flexible system options for a home or business owner and the latest PV designs have greatly improved solar system aesthetics. Converting the sun's rays into electricity, besides the long-term financial benefits, means no air pollution, hazardous waste, or noise.

Benefits

- Reduced electricity bills
- Can provide homeowners with an income through the Feed In Tariff (FIT) scheme
- Can provide homeowners with a 5% tax reduction under the new VAT pricing system for the installation of energy-saving technologies
- Low Maintenance
- Easy to install
- Reduce Electricity bills over £500 per year saved
- Installation cost is recouped by circa year 6

CHOSEN MANUFACTURER

Vesta's manufacturer will be Sungold, founded in 2008, is the world's leading manufacturer and supplier of solar panels. Sungold are committed to providing the best solar panels, including semi-flexible solar panels, portable solar panels and rigid solar panels, which can even be applied to RV, marine boat and other off-grid solar power generation systems.



Solar Thermal

Similar to Solar PV, Solar Thermal technology uses panels to capture the sun's rays, but instead of converting the sunlight into electricity the technology uses the sunlight to capture heat.

Benefits

- Reduced electricity bills
- Can provide homeowners with an income through the Feed In Tariff (FIT) scheme
- Can provide homeowners with a 5% tax reduction under the new VAT pricing system for the installation of energy-saving technologies
- Low Maintenance
- Up to 60% less energy to heat water
- Up to 35% less energy to heat rooms

CHOSEN MANUFACTURER

SOLFEX energy systems is one of the UK's first suppliers of solar thermal energy systems and is now one of the leading innovators in the technology. They offer a comprehensive portfolio of products such as solar thermal domestic hot water packs, combined systems for hot water, and back-up space heating support.





Air Source Heat Pumps (ASHP)

Benefits

- A+++ energy efficient
- Outdoor unit uses R32 refrigerant with a low Global Warming Potential (GWP)
- Eligibility to apply for the domestic Renewable Heat Incentive, offering ASHP owners the potential to receive up to £11,500 of financial support over 7 years
- Can provide homeowners with an income through the Renewable Heat Incentive (RHI) scheme
- Low maintenance
- Recoup your installation cost by circa year 5

ASHP are a low maintenance and sustainable alternative to traditional fossil fuel heating systems, utilising the heat energy in the air and converting it into usable energy to heat homes. The energy required to produce the necessary heat with an ASHP as compared to a conventional boiler is one in every four quarters, and the remaining three quarters are utilised in renewable energy such as water and air.

A typical gas or oil boiler is expected to work effectively and efficiently for 10-15 years, providing it has been serviced annually. An ASHP, however, can last for up to 25 years as they have far fewer moving parts with very little to break. And even the most efficient boiler cannot beat the heat pump for efficiency. ASHPs are up to 350% more efficient as they use only a small amount of electricity to produce 3 to 4 times as much heat for use in your home.

CHOSEN MANUFACTURER

The market leading Ecodan ASHP, produced by Mitsubishi Electric, is designed to provide a home with reliable, trouble free renewable heating and hot water. The Ecodan is ultra-quiet, offers superb style, and delivers market leading energy efficiency. Designed especially for homes, the 8.5kw and 11.2kw units are 3 times quieter than previous models, virtually eliminating planning restrictions.



ASHP, let's compare...

ASHP VS GAS BOILER

When comparing the boiler and heat pump in terms of efficiency, the heat pump is the clear winner. Many older boilers are only 50-75% efficient with 25-50% of the energy being wasted. Modern condensing boilers, however, can achieve efficiencies of 92% with only 8% wasted, so replacing an older boiler with a new model could significantly reduce carbon emissions. However, even the most efficient boiler cannot beat the heat pump for efficiency. Heat pumps can be 350% more efficient as they use only a small amount of electricity to produce 3-4 times as much heat for use in your home.

“ Heat pumps can be 350% more efficient... ”

HEAT PUMP LIFESPAN VS BOILER

A typical gas or oil boiler is expected to work effectively and efficiently for 10-15 years, providing it has been serviced annually. A heat pump, however, can last for up to 25 years as they have far fewer moving parts with very little to break.

“ ...can last for up to 25 years ”

HEAT PUMP RUNNING COST VS BOILER

Although heat pumps use electricity to run which is around 4 times the price of gas, the fact that the heat pump is so efficient means that it uses very little electricity, and the running cost are therefore much cheaper. Electricity prices are likely to fluctuate but with the installation of our solar PV for electricity the cost further reduces. The annual savings made mean that you can usually recoup your installation cost in a little over 5 years.

“ ...the heat pump is so efficient means that it uses very little electricity... ”





Air Conditioning



Benefits

- A+++ energy efficient
- Low Maintenance

CHOSEN MANUFACTURER

Mitsubishi Electric provide air conditioning units which are both stylish and energy efficient. Mitsubishi Electric offers a range of products to meet a potential customer's budget, all of which work with the MELCloud Wi-Fi control system, allowing for remote interrogation using a customer's preferred device.

Air conditioners not only cool but help circulate and filter the air, removing irritants such as pollutants and allergens that cause allergies and asthma. On average, an air conditioning unit completely replaces the air in a room every four hours, ensuring a constant flow of fresh air without having to open windows.



Ventilation



Prana recuperators aid ventilation while also providing a sufficient amount of preheated outdoor air which is saturated in oxygen and natural ions. Air flows pass through a copper heat exchanger located inside the module, where warm exhaust air, which is removed from premises, heats up the fresh cold air that enters from the outside. In summer it cools the air down.

Prana utilises an innovative system of sensors to monitor, correct and control the airflow in any indoor environment. The sensors are capable of detecting changes to atmospheric pressure, temperatures, air quality, CO2 build up and humidity. This allows Prana to be far more effective than any other competing device on the market.

Benefits

- A+++ energy efficient
- Low Maintenance



What makes us different

Although there are other companies in the same field, the diligence we apply to our projects and our commitment to providing the best possible system with the lowest possible price makes us distinctive.

With the entirety of our operations being kept in-house, we can oversee every customer touchpoint and ensure that our customers receive best in class service every time.

Energy Solution	Cozy Energy	Energy Solution	Engineera	Vesta Eco Innovations
Solar PV	✓	✓	✓	✓
Solar Thermal		✓		✓
ASHP	✓	✓	✓	✓
Air-Conditioning		✓		✓
Ventilation		✓		✓
Plumbing				✓
Electrical				✓
Fully Funded Packages			✓	✓



Finance



CURRENT HOME OWNERS

Homeowners wishing to reduce their carbon footprint and take advantage of longer-term cost efficiencies will be able to do so using our finance payment plan, with payment terms over 36 months at a competitive interest rate.

All finance is subject to financial approval and conditions. For more information on our finance packages and terms please contact us.

NEW BUILD HOMES

Developers are becoming increasingly aware of the advantages to the environment by installing more eco-friendly energy solutions as well as the ever changing trends towards these solutions by consumers. However the cost can of installation can be a concern.

Vesta Eco has developed suitable finance packages with the ultimate goal of reducing developers' cash flow worries when installing our eco-friendly solutions into their new build developments. Vesta Eco's competitive finance packages cover the cost of installation with repayment only due payable upon each unit sale completion.

Each finance package is charged at extremely competitive interest rates, with no interest being incurred until the installation per unit is complete. The terms of finance are agreed on a case by case basis, subject to approval and conditions.



Warranty & Maintenance Packages



Solar Photovoltaic

25 year panel
1 year free servicing



Solar Photovoltaic Inverter

5 year parts



Air Source Heat Pumps

From 3 year parts
3 year labour



Air Conditioning

3 year parts
1 year Labour
1 year free servicing

Service & Maintenance

Vesta Eco offer ongoing maintenance and servicing packages available on request

All warranties are subject to terms and conditions.

Warranties are only valid on condition the systems being installed are maintained on a regular basis once the 1st year period has ended.

Please note warranty may differ depending on the manufacturer being installed.



Climate change is the defining issue of our time – and we are at a defining moment. We face a direct existential threat. If we do not change course, we risk missing the point where we can avoid runaway climate change, with disastrous consequences for people and all the natural systems that sustain us. The transition to a cleaner, greener future needs to speed up. Our fate is in our hands.



António Guterres / UN Secretary-General



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