



PURE INGENIOUS

THE INGENIOUS

Solution

DISCOVER HOW TO
PROVIDE THE
ULTIMATE
WELLNESS SOLUTION

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Our

COMPANY STORY

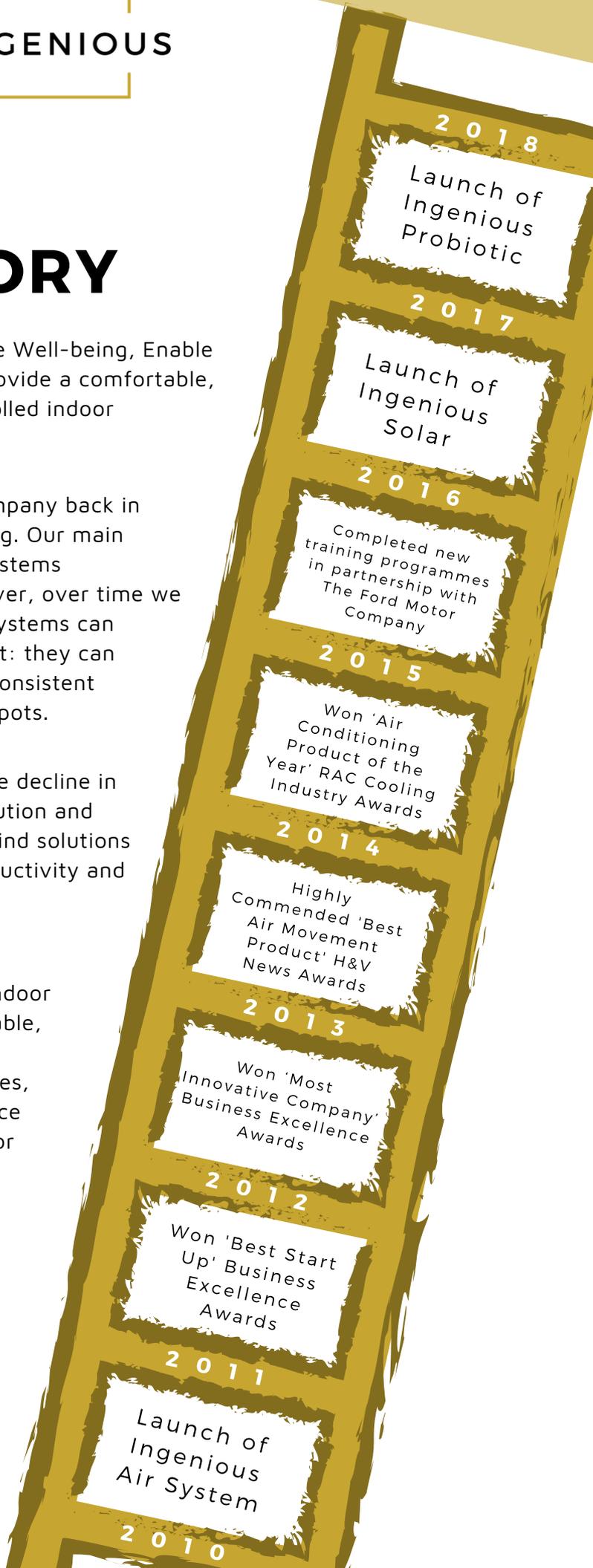
The Ingenious Air Company ethos is 'Enhance Well-being, Enable Performance, Enrich Lives'. Our goal is to provide a comfortable, draught-free and evenly temperature-controlled indoor environment with healthy, clean air.

We started as a general air conditioning company back in 2010, providing standard cooling and heating. Our main products were traditional air conditioning systems manufactured by well-known brands. However, over time we became increasingly concerned that these systems can create an uncomfortable indoor environment: they can generate complaints about draughts and inconsistent temperature differences with hot and cold spots.

We also felt growing unease about the visible decline in global health caused by rising indoor air pollution and antibiotic resistance. This led us to actively find solutions to improve health, well-being, comfort, productivity and energy efficiency.

The Ingenious Air® (Small Duct) System is a pioneering, innovative and award-winning indoor air distribution system. It combines comfortable, draught-free heating and cooling with air purification (removing disease-causing viruses, bacteria, allergens and pollutants) and surface purification (adding healthy 'good bacteria' or probiotics).

The life-enhancing and exciting benefits of probiotics are steadily becoming recognised and understood. Stringently cleaning the air before replenishing with healthy probiotics optimises their effectiveness. Doing this via the induction air stream of a draught-free cooling and heating system creates the ultimate, balanced and healthy indoor climate.



Discover

THE PROBLEM

The world has many concerns, but there are three that we can actively help with:

1. Thermal discomfort

...caused by air conditioning systems is a global issue: in the UK alone, 76% of employees perceive the temperature of their office to be uncomfortable. This is having a significant negative effect on employee satisfaction and productivity.

2. Rising indoor and outdoor air pollution

...is having an alarming and devastating effect on global health. More than 95% of the world's population now breathe unsafe air. Air pollution is pervasive and impacts well-being, finances, productivity and safety.

Diseases driven by pollution such as heart disease, stroke and lung cancer accounted for 1 in every 6 deaths in 2015. Worse still, statistics show that indoor air pollution is becoming 5-100 times more dangerous than outdoor pollution.

3. Antibiotic resistance

...is also one of the biggest threats to global health today. The overuse of antibiotics is accelerating this process. The World Health Organisation (WHO) states that a growing number of infections are becoming harder to treat as the antibiotics used to treat them become less effective. Antibiotic resistance leads to longer hospital stays, higher medical costs and increased mortality.

INDOOR CLIMATE QUALITY

✓ Cooling ✓ Heating ✓ Clean Ducting ✓ Air Purification ✓ Surface Purification

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The

INGENIOUS AIR SYSTEM

The Ingenious Air® (Small Duct) System is a pioneering, innovative and award-winning indoor air distribution system. It combines comfortable, draught-free heating and/or cooling with air and surface purification. This creates the ultimate, balanced and healthy indoor environment, which improves wellness and productivity.



COOLING

Cooling and heating is even, comfortable and draught-free. The induction method of air delivery allows for lowered relative humidity when cooling, which can achieve comfort at slightly warmer set temperatures than other systems.



HEATING

When heating, induction has a natural, energy efficient de-stratification effect. Warmed air that normally rises and is trapped at a high level is brought back down to floor level to be re-used. Cold air normally falling to floor level is re-distributed.



PURIFICATION

High specification air purification turns the ductwork into an active delivery system for clean and safe air. This dramatically reduces all three types of serious airborne pollutants before they are breathed in: disease-causing viruses and bacteria, allergens and harmful volatile organic compounds.

Air purification also removes unpleasant odours, which can have the potential benefit of reducing the amount of polluted outside air required.



PROBIOTIC

Probiotics are added to the air stream to add balance by replenishing the 'good' bacteria. These high quality, natural and eco-friendly microorganisms help reduce the risk of certain infectious diseases. They reduce the need for antibiotics and help to solve the growing antibiotic resistance crisis. They improve health conditions such as asthma and also eliminate odours.

Probiotics are especially beneficial for environments with high risk of microbial invasions such as dental practices, gyms, hospitals and other public facilities. They help to clean and maintain safely without unbalancing the microbial balance.

+

ADDITIONAL BENEFITS

- Advanced, sustainable technologies enhance overall environmental building performance and energy efficiency.
- Ductwork stays sanitary with no need for cleaning. A higher velocity airflow holds any sediment in suspension and prevents dust and dirt build-up. This improves efficiency, airflow performance and indoor air quality.
- Multiple control zones significantly reduce carbon footprint. Just one system can replace up to eight conventional fan coils.
- Design flexibility increases layout options and simplifies installation.
- Smaller, flexible mini ducts fit into areas too restrictive for standard ducting.
- Stylish and visually discreet air outlets free up floor and wall space. Multiple colour and compositions complement any interior design.
- Connects with intelligent controls and smart building management systems.
- Maintenance can be carried out away from occupied areas, reducing costs and disruption.
- Suitable for commercial, residential and healthcare applications.

The

FLORENCE PURIFIER

We are in the process of developing a stand-alone, portable version of the air purification module, called 'Florence'.

This is currently at the prototype stage of development. It will be used for in-room applications and will shortly undergo research testing at the University of Essex, with a view to further testing with the NHS. This testing of the single room version will hold true for our standard ducted version.

Each year Hospital Acquired Infections cost £22-£35 billion globally. There are over 2 million cases, with an average of £20,000 per case.

'Florence' can help reduce these cases and therefore cost by removing...



Bacteria and virus,
allergens and pollen



PM2.5 particles
and dust



Pollutants, VOCs,
NOx and smoke



Carbon monoxide
and pesticides



The

INGENIOUS SOLAR RANGE

Ingenious Solar is the most advanced renewable energy product available today as it combines both solar panels and a heat pump that extracts the maximum energy from the atmosphere.

Our independently tested system uses Thermodynamic Technology which allows the refrigerant-filled panels to absorb energy even at -5°C . Then, the specially designed heat pump, converts the energy into heat, including water heating, dramatically reducing carbon emissions.

Ingenious Solar utilises energy in any condition, including the sun, wind or rain. It also works during the night. That means you get a 24/7, 365-day renewable system.

- The **Ingenious Solar Mini** is a one-panel system with a compact unit. It is capable of heating a tank of water up to 200 litres capacity.
- + The **Ingenious Solar Plus** is a two-panel system which is capable of heating a tank of water with a capacity of 200 litres up to 500 litres.
- ⚡ The **Ingenious Solar Pro** is our largest system with panels varying from 4 up to 40. Pro is specially designed for larger volumes of hot water.

1. Works virtually any time including day and night in sub-zero temperatures.
2. Patented rapid defrost, specially designed to prevent ice forming on panels.
3. Portrait and landscape fittings on roofs, walls and on the ground.
4. Can be used on existing hot water cylinders.
5. Designed and manufactured in the UK and optimised for the UK climate.

400%
AVERAGE
EFFICIENCY

HEATS WATER
UP TO
60°C

75%
LESS HEATING
COSTS

WORKS
CONTINUOUSLY
24/7

NEW



The

INGENIOUS PROBIOTIC

Provilan® is a brand of cleaning, hygiene and care products for humans and animals, made from eco-friendly and highly effective ingredients. The great advantage of these products is based on the addition of active and supportive microorganisms, better known as probiotics.

As the exclusive UK & Ireland, Middle East and Africa distributor, we provide a large range of products through different sectors. All of these products have been developed with one purpose: to effectively clean and heal.

After years of research and development, our products might be born from science, but are inspired by nature.

- ✔ Sustainable hygiene
- ✔ Vegan certified
- ✔ Eco-friendly
- ✔ Optimal well-being
- ✔ No animal testing
- ✔ Scientifically proven



anna⁺

Environmentally friendly products for cleaning and care in the farming field



denaa⁺

Natural cleaning products for paramedical areas and public institutions



evaa⁺

Eco-friendly hygiene products for a deep cleaning of your house



Lucaa⁺

Natural products for complete care and a perfect hygiene of all your pets and horses



Ready to learn more?



Visit the Ingenious iHub for more information on our full range of products:

www.ingenious-air.com/ihub

Contact us and start living today

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