

BANHAMPOWER

renewable energy

FRESH *THINKING*
FRESH *IDEAS*





Banham Power is pleased to introduce its unique plans to establish a renewable electricity plant on the outskirts of Attleborough – a pioneering venture in green energy.

Banham Power is a new division of Norfolk food business Banham Poultry, a family-owned firm supplying chilled fresh chicken to butchers and food retailers throughout the UK. A fully integrated business involving farming, processing and distribution, the company supports around 750 jobs in and around the Attleborough area.

Banham Poultry is renowned for the quality and freshness of its products. That reputation is founded on fresh thinking and fresh ideas.



The company has a track record of leadership and innovation within the poultry industry.

For example, Banham scored the highest hygiene rating of all UK poultry processors in the Meat Hygiene Service's annual assessments for 2003, and was one of the first UK processors to adopt leak-proof packaging systems.

But the origins of Banham Power lie primarily in a long-standing commitment

to recycling and energy efficiency. The company's Attleborough site won a Climate Change Levy rebate because the efficiency of its Combined Heat and Power plant allows hot water to be recycled for refrigeration and even puts electricity back into the National Grid.

Banham has also pioneered the use of biodiesel in its 40-strong transport fleet, and is one of the first poultry processors in the country to seek independent accreditation for its standards of environmental management.

The Banham Power project is a natural next step for a company committed to finding environmentally sustainable solutions to modern industrial challenges.

We do hope you will share our confidence and enthusiasm in Banham's latest venture in renewable energy.

Michael Foulger
Chairman, Banham Poultry





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"The issue of by-product disposal has dogged the livestock sector since BSE. Banham are leading the way in finding a valuable and environmentally friendly way of dealing with the issue, and deserve full support in this initiative."

Nigel Joice, Member, NFU Poultry Board

Planning for the future

Prior to BSE, the by-products of poultry and other meat processing operations had a value as feed ingredients. Today they can no longer be used for animal feed and must be disposed of through rendering and incineration at an ever-increasing cost to processors and the environment. These costs have already forced a number of companies out of business.

Faced with this challenge, Banham has developed and patented plans for a revolutionary new method of transforming by-products into clean, renewable energy. It involves heating by-products under contained conditions to release gas which is then used to generate electricity. The process, known as pyrolysis and gasification, is relatively new to the UK, but is well established as a safe and extremely efficient means of energy generation in other parts of the world.

Banham's plans for a renewable power plant outside Attleborough have now received approval from the Environment Agency under the Integrated Pollution Prevention and Control (IPPC) regulations. This means the plant is not only approved as safe in health and environmental terms, but also that it represents the cleanest and most efficient way to handle by-products which are currently transported long distances to be rendered and incinerated.

To proceed, however, the project must secure local planning consent from Norfolk County Council.

Environmental issues such as the impact of emissions, odour, noise and traffic have already been considered in detail and given a clean bill of health by the Environment Agency. Now the County Council must consider how the project fits in with its own policies, and with development plans for the Attleborough area.

At a local level, the project is vital. Left unchecked, the spiralling costs of by-product disposal threaten the very future of Banham Poultry and the 750 jobs it supports. The new plant will not only create additional jobs, but could also be capable of recycling the by-products of other local processors, offering a lifeline to similar businesses concentrated in and around the Norfolk area.

The development of renewable energy projects is positively encouraged in new planning guidance issued for consultation by the Government last year (Draft Planning Policy Statement 22), which states that *'Regional planning guidance and development plans should contain policies designed to promote and encourage, rather than restrict, the development of renewable energy resources.'*

Renewable power for the 21st century

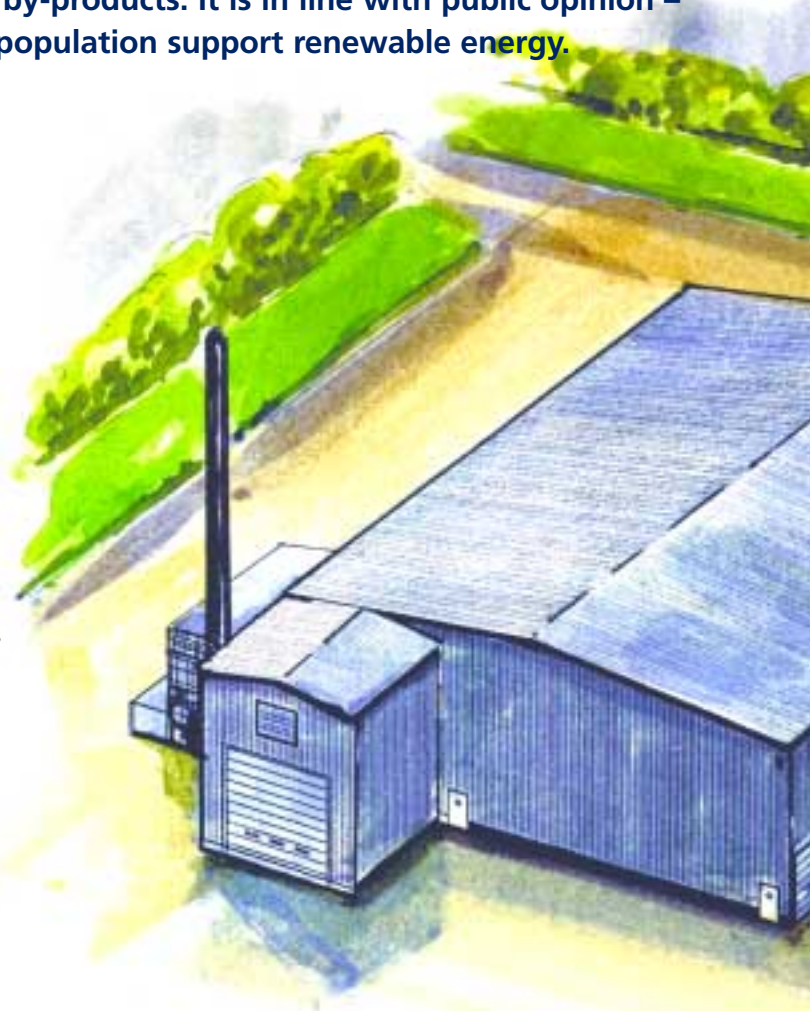
The Banham Power project is consistent with the UK Government's stated commitment to increase our use of renewable energy, and to deal with the growing problem of waste disposal and stockpiling of rendered animal by-products. It is in line with public opinion – a recent DTI survey showed 90% of the UK population support renewable energy.

Norfolk is already becoming established as a pioneering centre for waste reduction, and is the focal point for many exciting new ventures in alternative energy. The proposed Banham plant offers an efficient and sustainable means of recycling waste products, and will put the East of England firmly on the map as a leader in renewable energy.

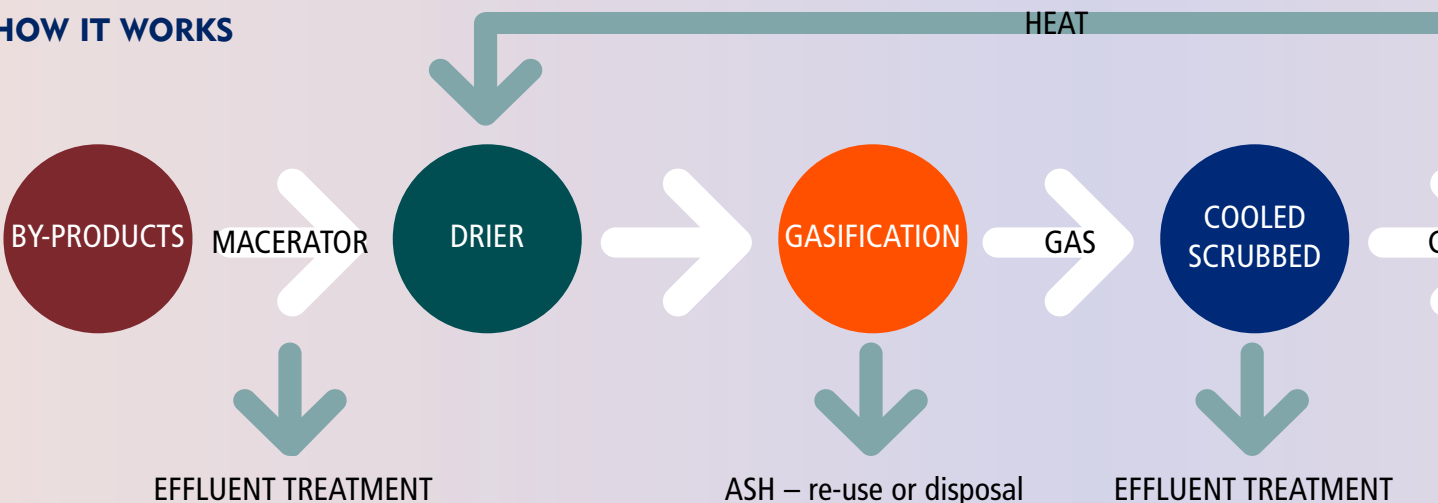
The new plant will be capable of generating enough renewable electricity to supply households across the entire Attleborough area. As such it will play an important role in safeguarding local electricity supplies.

The risk of power failure is increasingly real. Experts warn that UK households could be facing power cuts and escalating electricity bills if urgent action is not taken to expand existing grid capacity. Faced with increasing demand for both business and residential use, East Anglia is among the regions most likely to be worst affected.

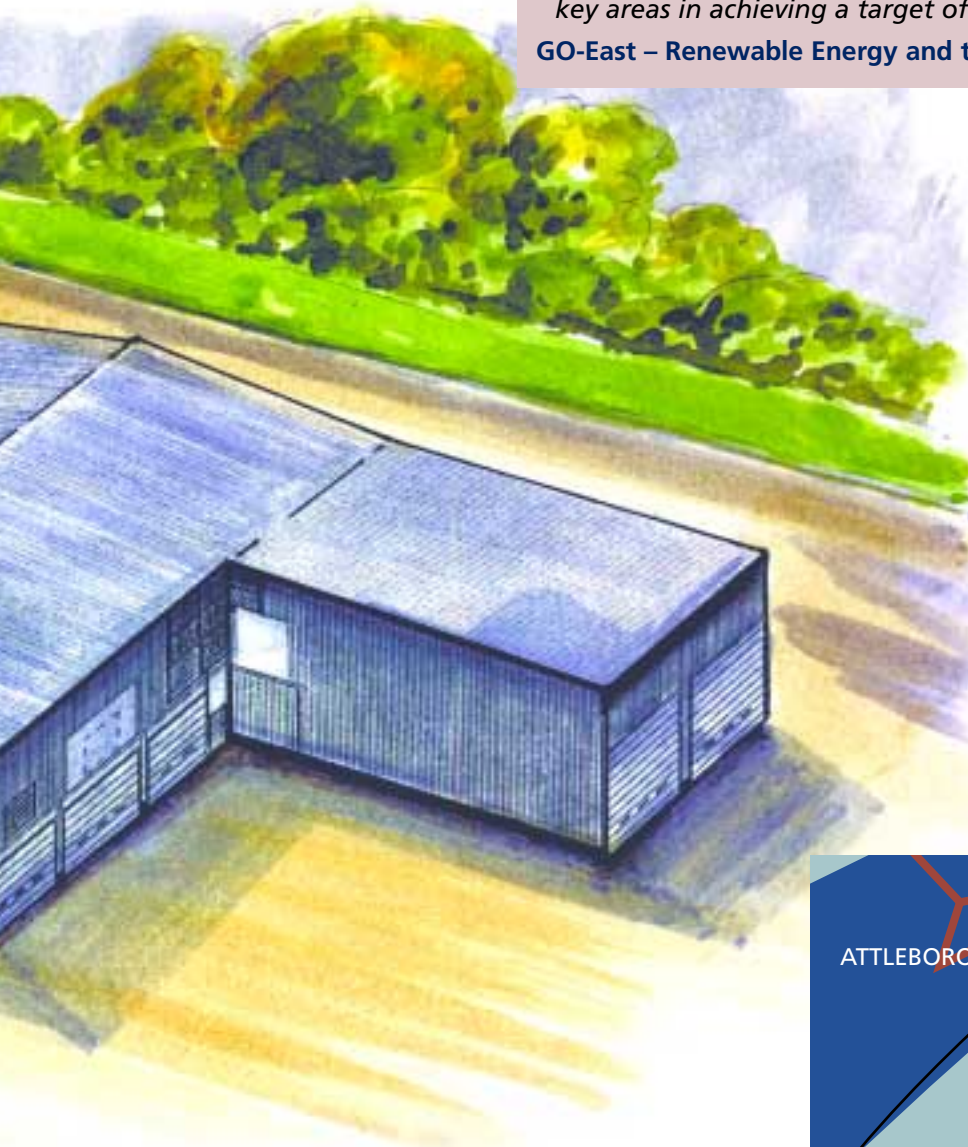
Banham Power has developed its plans in partnership with international firm DDH-Contractors. Based in Denmark, DDH is a specialist environmental contractor, with proven expertise in energy production and supply, environmental engineering, waste management and remediation. DDH has developed and installed similar power plants throughout Europe.



HOW IT WORKS

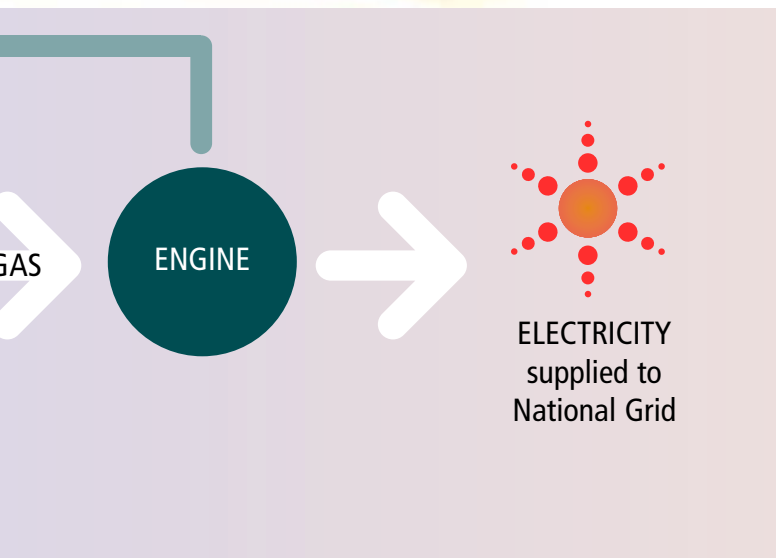
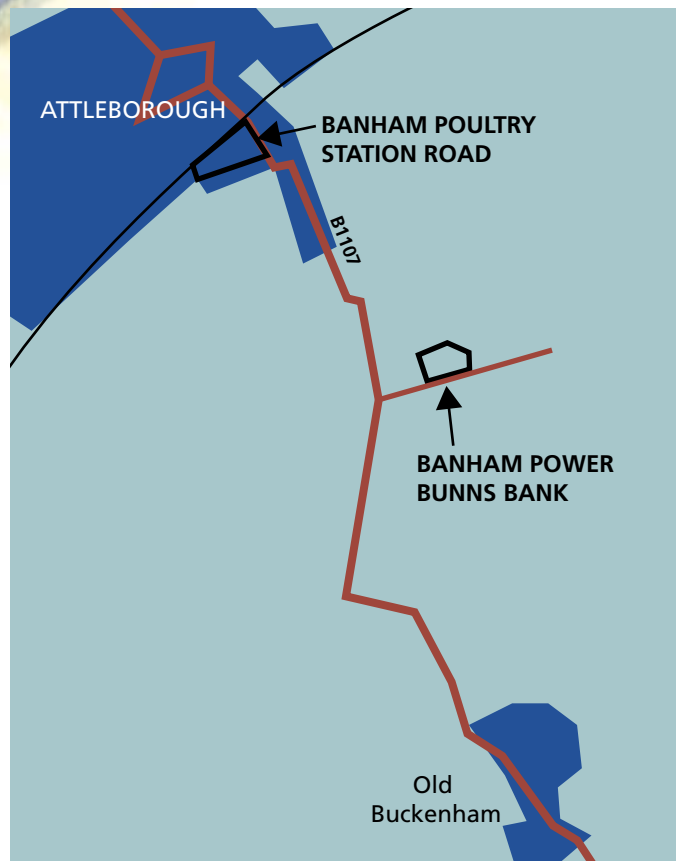


“Less than 2% of the nation’s energy comes from renewable sources. In the Eastern Region, only 0.45% of regional demand is met in this way. In 2001, the Eastern region adopted a target of 14% of the region’s electricity to be produced from renewable sources by 2010.... One of the key areas in achieving a target of 14% by 2010 is the planning system.”
GO-East – Renewable Energy and the Planning System, October 2003



Once planning permission has been granted, the power plant will take around 12 months to construct. The proposed site is some 2km outside the town of Attleborough at Bunn's Bank, where Banham Poultry's former processing site was located before the factory was destroyed by fire in 1998.

The power plant will be capable of handling up to 1,200 tonnes of material per week, most of which will be conveyed via underground pipeline from the processing plant. As a result, waste lorry movements from the Station Road site are expected to be reduced by around 95%. Electricity output from the plant will be 5.5 megawatts at full capacity, enough to power more than 7,000 homes.



The benefits now ...

- more than 750 jobs saved in the Attleborough area
- additional employment opportunities created
- a lifeline to other local processors
- traffic movements reduced in Attleborough town centre
- cleanest and most efficient way to handle by-products
- positive development and use of brownfield site

...and for the future

- a sustainable solution to post-BSE disposal of animal by-products
- transforming waste into clean, renewable energy
- local electricity supplies guaranteed
- helping achieve UK targets for renewable energy
- supporting new objectives for regional planning and development
- establishing Norfolk as a leader in renewable energy resources

"There can be no doubt that we have set ourselves challenging targets to reduce carbon emissions. Building new renewable energy projects is essential in meeting the goals we have to reach if we are to succeed in safeguarding the environment for future generations."

Stephen Timms MP, Energy Minister, DTI



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