



Edina - The UK's Total Energy Provider

Edina' is a 'Total Energy Solution Provider' currently employing over 140 personnel in five key locations providing national coverage of the UK and Ireland for the full spectrum of services demanded by an ever-increasing and diversifying power supply industry, reports WIP.

The Edina Group of companies has specialised in onsite power generation for over 26 years. A full spectrum of fuel sources are catered for in the Edina product range: diesel, natural gas, bio gas and synthetic gases. Edina offers quality design, supply, hire and full turnkey energy solutions.

"Expansion and diversification have been the cornerstone of the Edina success together with the vast knowledge and experience we have gained through meeting our customers needs," explains Tony Fenton, Joint Managing Director of Edina.

"To match evolving environmental and legislative requirements, Edina is developing fresh and innovative technologies with key partners. Edina aims to provide reliable and clean solutions to a world which is increasingly hungry for energy.

Edina has an enviable track record in design, construction and long term operation of gas engines powered by all types of gas, including that produced by

waste water plants, and is a key mover in the development of renewable energy and sustainable energy to meet international requirements to reduce the use of fossil fuels.

Recently, Anglian Water and Edina UK entered into a 5-year contract for the supply of gas-powered generating equipment manufactured by MWM GmbH of Mannheim Germany.

A number of fully-containerised generating sets were supplied over a five year period. Although the gensets were manufactured in Germany, the actual containerisation took place in Edina's key manufacturing centre in Lisburn, Northern Ireland.

"The total control of the design and manufacturing process enabled Edina to produce class-leading products to the highest quality standards," reported Tony Fenton.

Initially the first six gensets were delivered and installed by December 2010 and were fully operational in early 2011.

Edina's first order involved the design, build, installation and long term maintenance of 2 x TCG 2020V16 and 4 x TCG 2016V12C gensets to meet Anglian Water's commitment to the AMP 5 Biosolids programme.

Reports Edina, the choice of both these engine types was based on their highly-regarded and market leading qualities - namely,



efficiency and durability in biogas operation. Another incentive was the through-life support package for which Edina is widely known.

One of Edina's best-known energy projects involved providing a MWM 2MWe TCG2020V20 gas ignition generating set for the famous Cranfield University.

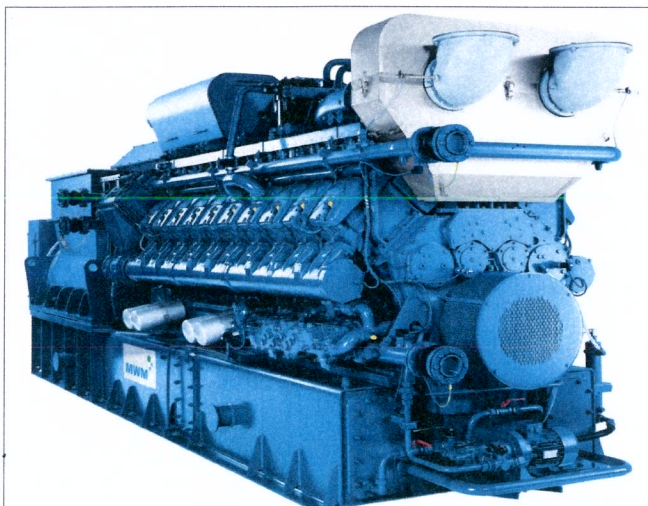
The MWM genset was chosen by Cranfield for its enviable reputation for durability and for its exceptionally high availability at the lowest economic operating cost.

The full turnkey package provided by Edina included not only the generating equipment but a new steam boiler, fully integrated control system and total civil construction.

Cranfield now includes this new facility as part of the curriculum for its course based on the benefits of CHP.

Cranfield University prides itself on its long-established association with providing key research into CHP, and has been linked to the 30MWe installation owned by the Manx Electricity Authority.

The new facility provided by Edina currently gives students an important opportunity to carry out their studies on the actual campus.



COMPANY PROFILE

Edina has been involved with several Anaerobic Digestion projects throughout the country of late as part of its ongoing commitment and competitive contribution to the industry.

Working with farmers and AD supply companies such as Marches Biogas, MT Energie, Projen and Binowa among others, gensets have been supplied to Swancote Energy, Wykey Farm, Wigley Farm, and Pancross Farm (S Wales) over the last 24 months.



MWM engines awaiting delivery.

The success of the MWM TCG2016(V12) at Swancote Energy, initially running on a feedstock of maize and grass silage helped to facilitate the expansion of the site to include food and drink waste and the processing of Category 3 animal by-product. This prompted the delivery of the 1.5MWe MWM TCG2020(V16) with the two engines now producing 2.1MWe. Edina offers full product support, keeping downtime to an absolute minimum through a

dedicated nationwide team of engineers. Swancote now handles 38,000 metric tonnes food waste per year.

Other projects handle a variety of food, effluent and other waste with similarly high results of efficiency, reliability and uptime in excess of 95%.

With employees from the farming community Edina is particularly aware of the challenges faced by the industry today and the need for sound investment and diversification.

With a thorough knowledge of the process from finance, planning and to grid connection and beyond Edina can provide expert technical advice and continuing support.

Edina recently won the contract to supply the MWM TCG2016(V12) to Lea Hall Farm for delivery in Autumn 2013.

As the exclusive distributor for MWM in the UK since 2006 and involved in power generation for over 25 years, Edina has a proven track record from design, packaging, and project management to servicing, monitoring and aftercare.

Larger scale waste treatment enterprises include projects with Biffa, BioCollectors, Cory Environmental, Shanks and Malaby to name but a few. The MWM range of 500 - 2MWe is proving a popular choice with unbeatable longevity and efficiency.

Edina has installed three 2MWe containerised units at the UK's largest



Edina's manufacturing base in Northern Ireland.

waste Anaerobic Digestion facility at Cannock; these are currently operating at full output.

For the fourth year in succession Edina has increased output from its manufacturing base in Northern Ireland thanks to constant demand for high quality low-maintenance gas-powered generating equipment.

The Edina containerized gas generator has proved a big success proving to be equal if not better than most currently available in Western Europe and one that meets all legal, environmental and statutory requirements while still being highly competitive.

Allied to a design that is based on over 25 year's operational experience which incorporates the very latest provisions for Health and Safety standards for secure maintenance over its long working life.

Such attention to detail and planning has caught the discerning attention of many clients in the UK, Ireland, Latvia and now in Australia where the first 2 units are to be delivered shortly with another 6 ordered for 2014.

Further interest is being expressed on a daily basis from potential clients around the world who are located in places where quality and reliability are the key factors.

Edina has further plans to extend the manufacturing facility in 2014 and introduce state-of-the-art onsite testing facilities to reduce installation time.

"These are exciting times for Edina and the constant dedication to quality and service shown by all our staff is being recognised by the increase in orders we are receiving year on year," concludes Tony Fenton.

WIP

Internet link

www.edinauk.com



Swancote Energy now uses an MWM TCG2016 (V12), thanks to installation work by Edina.