



Pressemitteilung

Press release · Communiqué de presse

Vechta, July 2026

Kalfresh partners with global bioenergy technology leader WELTEC BIOPOWER to deliver flagship Queensland project

KALFRESH has secured leading international technology partner, WELTEC BIOPOWER, to deliver its landmark bioenergy facility at Kalbar, in South-East Queensland, aligning with one of the world's most experienced and proven providers of anaerobic digestion technology.

The Queensland-based vegetable business has signed an agreement with the German company to design and build the first stage of the bioenergy facility, which will anchor the new Scenic Rim Agricultural Industrial Precinct. The WELTEC equipment is due to arrive on site in late August, when construction of the first anaerobic digestion (AD) tank will begin.

The partnership marks a significant milestone and will unlock the paddock-to-power potential of Kalfresh's vertically integrated business, which will turn crop residues, processing offcuts and agricultural waste into several renewable by-products. A by-product, a nutrient-rich digestate, will be returned to farms as a biofertiliser, advancing Kalfresh's long-term vision of circular agriculture.

Kalfresh CEO, Richard Gorman, said WELTEC BIOPOWER will use its proven stainless-steel tank technology, ensuring durability, corrosion resistance and long operational life. "For us, it was critical to work with a partner that has a track record of delivering reliable, long-term infrastructure," Mr Gorman said.

"This is proven technology, and we're building it to last. We have visited many operational bioenergy sites overseas, including those designed and built by WELTEC. They have a reputation for designing efficient, high-quality systems that deliver consistently." Kalfresh sent a group of Queensland farmers to Germany in April to visit Weltec sites and see the AD technology first-hand."

WELTEC BIOPOWER was established in 2001 and has planned, delivered and constructed more than 450 specialised stainless steel biogas plants in the US, Japan, Cyprus, the UK and Europe. Dirk Krumdieck, CEO and Head of Sales from WELTEC BIOPOWER, says the agreement reflects the extensive preparatory work and technical planning undertaken by WELTEC and Kalfresh over recent years. „We are excited to be delivering a flagship bioenergy project in Australia that combines Kalfresh's agricultural innovation with our proven European biogas engineering experience," Mr Krumdieck said.

The project will be delivered in three stages. The first stage involves the construction of a large digester with a diameter of 31.48 metres and a height of 8.8 metres, along with a digestate storage tank, supported by the newly implemented WELTEC Control system.

It represents a new model for Australian agriculture where farming, food production and energy generation operate side by side in a closed-loop system. At full capacity, the facility could feature 14 digesters which would be capable of producing enough energy to power up to 31,000 homes, or fuel up to 98 million kilometres of truck and bus travel annually. "Recent international events have made it clear there's a real and immediate need for national fuel and fertiliser security," said Mr Gorman.



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Organic energy worldwide

“The introduction of a home-grown, dispatchable source of renewable natural gas to the energy mix comes at an important time. We can help transition Australia’s emitters towards emissions-free operation.” This is a practical, farmer-led solution that works today, and can be repeated in the future in agricultural communities across the country, value-adding what is already produced on-farms.”

The Scenic Rim Agricultural Industrial Precinct will co-locate advanced food manufacturing on a 40-hectare site fronting the Cunningham Highway and approximately one hour from Brisbane. The Precinct will feature 16 serviced lots, including three occupied by Kalfresh, with access to on-site renewable power and circular waste services.

For more information on the project visit the Kalfresh Bioenergy website
<https://www.kalfreshbioenergy.com.au/>



Australia’s first farmer-led 24/7 renewable energy solution that works with agriculture to decarbonise industry and transport.



Kalfresh farmer-lead tour to see firsthand WELTEC BIOPOWER facilities in Europe.



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Company Portrait

The WELTEC Group, based in Vechta, was founded in 2001. As a leading global supplier of biogas and biomethane plants, the German manufacturer provides comprehensive support for projects – from planning and construction to commissioning and individual service concepts.

Complete in-house development and the use of proven stainless steel technologies ensure goal-oriented planning, short installation times and the highest quality standards. WELTEC BIOPOWER has already implemented more than 450 energy plants in 27 countries worldwide – including Europe, the USA, South America, Asia and Australia.

Using a circular economy approach, unused organic raw materials are converted into sustainable energy. The customer structure has changed significantly since the company was founded. Initially, the focus was on constructing agricultural biogas plants that mainly processed manure and renewable raw materials such as maize. Currently, there is growing demand for industrial plants that utilise organic slaughterhouse and biowaste, residues from breweries and food production, and even sewage sludge.

The increasing focus on industrial, waste-based plants requires more complex technical processes: pathogens in the substrate must be sanitised, plastics removed via depackaging, and water recovered from the digestate through treatment. In its role as a full-service provider, WELTEC combines technological expertise with individual adaptation to the respective substrate input, thus positioning itself as a specialist for tailor-made biogas plant solutions.

In order to make the plant configuration process efficient and future-proof, the manufacturer is consistently driving forward the digitalisation and automation of its internal processes. This enables the company to accelerate the planning and implementation of tailor-made plant solutions while strengthening its competitiveness on the international market. With this strategic orientation, WELTEC is laying the foundation for continuing to realise innovative, sustainable and economical energy concepts for customers worldwide in the future.

If you publish the press release please forward a copy to us:

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