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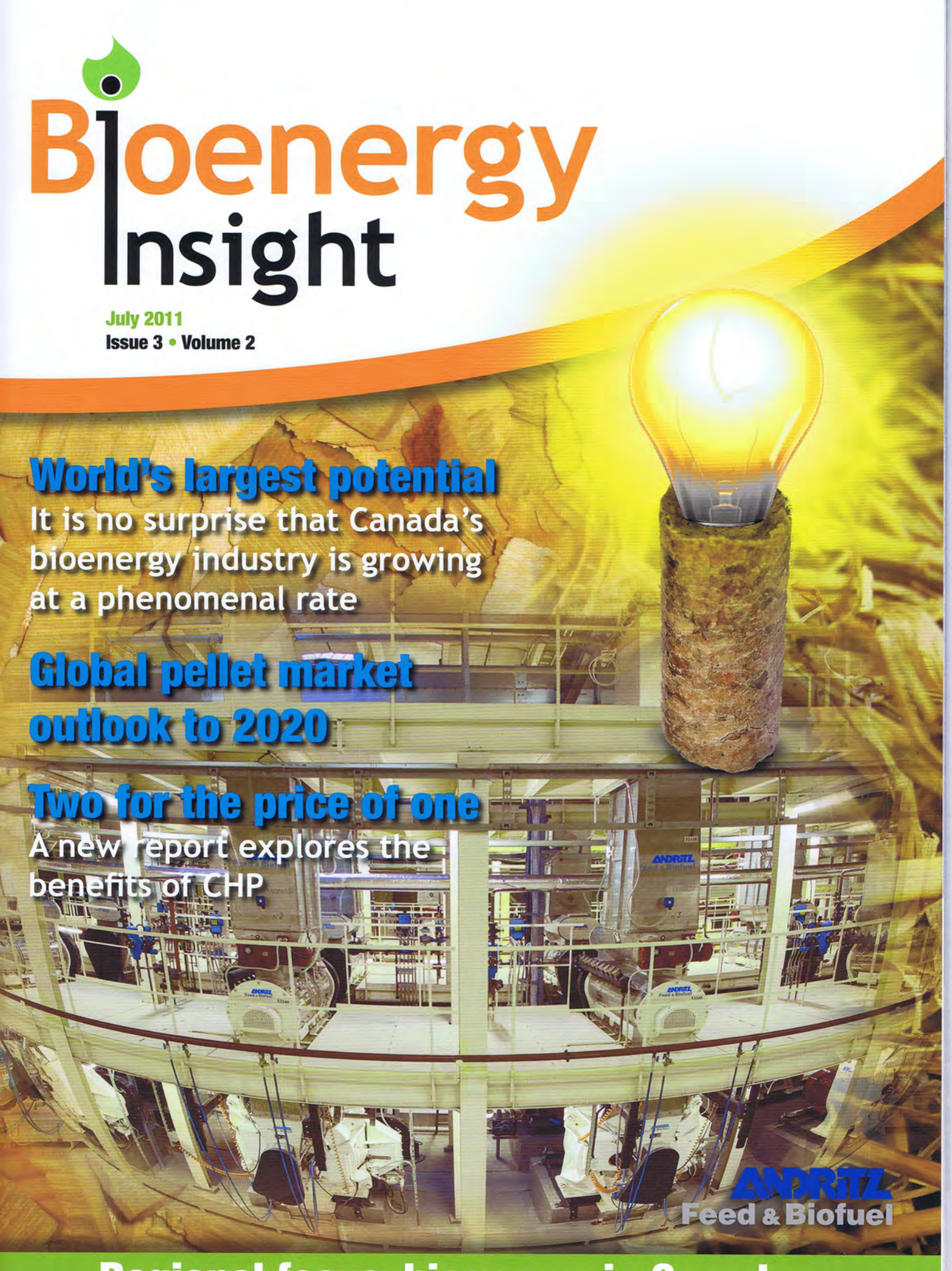

World's largest potential

It is no surprise that Canada's bioenergy industry is growing at a phenomenal rate

Global pellet market outlook to 2020

Two for the price of one

A new report explores the benefits of CHP

Biomass measurement company opens US business in Georgia

A Sweden-based technology provider and clean tech company has set up its first direct US operations based in Savannah, Georgia.

Mantex AB manufactures multi energy x-ray sensor systems, which allows users, in real time, to see the key value components of organic materials. With a focus on the pulp and paper and biomass-to-energy markets, Mantex worked with Energy Launch Partners to build its US business.

The new business will see Mantex help its US clients to measure dry content, contaminates and dry mass flow, while optimising production yield, increasing production and minimising energy consumption.

'Just as we have proven in Sweden, US pulp mills can finally have what they have always wanted: accurate and robust, real time measurement of digester dry mass flow feed to increase profits and stablise their systems,' says Erik Oden, CEO of Mantex AB.

Mantex's first US commercial client is clean tech business GA Biomass, a company behind one of the largest wood pellet facilities in the world.

Canadians bring German biogas technology to North America

A Canadian biogas company has collaborated with a German technology provider with the aim of becoming Canada's first turnkey anaerobic digestion system provider.

The partnership between Carbon Control Systems and agriKomp, now known as CCS-agriKomp, is starting with a 135kW on-farm reference biogas plant in Millbrook, Ontario, and has made it their mandate to help kick start AD technology in North America.

Offering tours of the biogas plant to local farmers, CCS-agriKomp plans to not only showcase German technology at the Millbrook build, but also Canadian product as well. Vancouver-based Octaform Systems is a stay-in-place PVC concrete forming system used for the tanks. Eliminating seals or treatments, the Octaform system allowed for CCS-agriKomp to build more efficiently for less.

'We decided to go with Octaform because we wanted to be hands on in with building the tanks,' says Chris Ferguson, managing director at CCS-agriKomp. 'The Octaform panels don't require special trades to assemble and that was a huge cost savings to us.' Octaform not only provided an easy system for building the tanks, the airtight panels protected the concrete from the highly corrosive anaerobic digestion environment.

Onsite, farmers are given a comprehensive overview of a complete biogas plant. Most of the feedstock comes from 100 cows on Ferguson's 150-acre farm, corn silages and grease from nearby restaurants. The end result is enough energy to dry grain in a 180-tonne batch dryer, power CCS-agriKomp's 7,600 square foot headquarters, and provide electricity to

Upgrade technology and marketing agreement extended

Two companies have reached a revised agreement to market and manufacture biogas upgrading equipment in the UK and Ireland.

The license, between Chesterfield BioGas and Greenlane, has now been extended in perpetuity at a one-time cost of £800,000 (€895,000) and replaces the current five-year licence arrangement between them both.

Although this technology is proven on many sites overseas, the UK market has remained under-developed due to prolonged uncertainty over the level of subsidy the UK government would provide under the Renewable Heat Incentive (RHI). On 10 March 2011, however, the Department of Energy and Climate Change announced that it had set the RHI for biomethane combustion or injection at £0.065 per BioGas' technology to compete directly with combined heat and power projects in the UK.

Chesterfield BioGas provides solutions for the cleaning of raw biogas produced from wastewater treatment and anaerobic digestion of organic waste. Once upgraded, the resulting biomethane can be stored and is suitable for injection into the gas grid. The company also sells and installs a range of compressed natural gas filling stations for CNG-powered vehicles.

It recently completed a successful biogas upgrading project when injection of organically produced gas was made directly into the national gas grid at the wastewater treatment site of Thames Water at Didcot, Oxfordshire.

Following the announcement of the RHI tariff, Chesterfield BioGas has experienced an increase in the level of sales enquiries and a number of large utility companies are setting up development teams, dedicated to exploiting the potential of