

NEW ENERGY TECHNOLOGIES FOR INDUSTRY **WORKSHOP**

FREE
EVENT

WHERE

Leeton Shire Chambers
23-25 Chelmsford Place Leeton

WHEN

November 8th 2016

TIME

8 - 11.30am
Light breakfast and morning
tea included

RSVP

2nd November 2016
Marg Couch
po@rdariverina.org.au
0487 922 570



**LOOKING TO IMPROVE ENERGY
EFFICIENCIES?**

**BENEFIT FROM THE LATEST CLEAN
ENERGY TECHNOLOGY**

**NEW LOW COST HOT WATER &
BIOENERGY TECHNOLOGY**

then this workshop is for

YOU!

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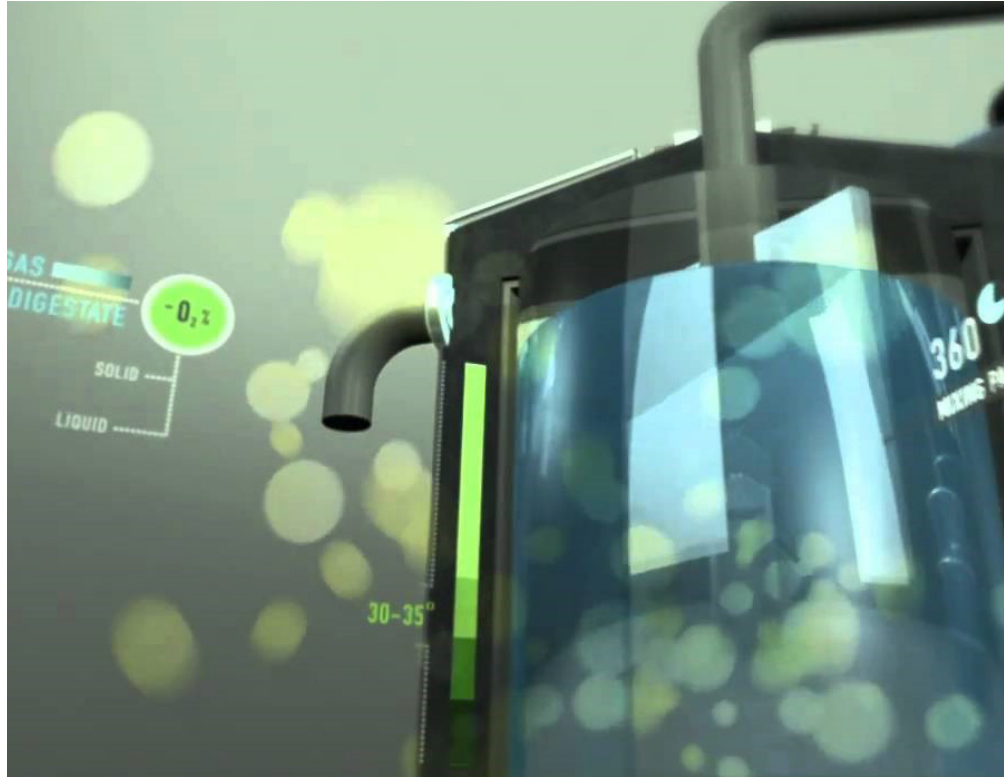
PROGRAM

EVENT DETAILS

Industry decision makers are invited to find out how they can benefit from the latest proven energy efficient and renewable technology, minimise gas and electricity costs and contribute to a low carbon economy.

The Riverina Region has significant biomass residues that can be provide heat and electricity. Bioenergy can address waste issues, reduce gas and electricity costs and generate valuable by products. Construct and operate bioenergy opportunities are available now with no up-front capital required. On-site clean energy generation is a viable long term business strategy to manage demand charges and protect against price rises.

This is the first in a series of Workshops being organised jointly by ICN, Office of Environment and Heritage, RDA and local councils in the Riverina.



PROGRAM

- 8:00am Registration and light breakfast**
- 8:30am James Joyce | Pyrocal**
On site waste to energy processing. Pyrolysis technology for converting biomass (nutshells, hulls, cotton trash etc) to biochar and heat.
- 9:00 am Richard Martin | AEES Group**
Energy management and integrated renewable solutions for industry. Zero carbon specialists providing whole of site solutions
- 9:30am Kylie Walker OEH | NSW Energy Savings Scheme**
Energy Savings Certificates to help finance energy efficient upgrades apply to gas and electricity upgrades.
- 9:40am Morning Tea and Networking**
- 10:00am Andrew Pintar | Greenland Systems**
Innovative solar thermal technology producing on demand hot water & steam for food processing and on-site industrial application.
- 10:30am David Halliday | Active Research**
Portable biodigestion technology utilising ultrasound to decrease residence time. Also a mobile biodigester for real onsite evaluation of biomass.
- 11:00am Panel Q&A**
All presenters have made themselves available for face to face meetings after the Q&A.
- 11.30am CLOSE**



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JAMES JOYCE - PYROCAL

James Joyce is the co-inventor of the BIGCHAR continuous carbonisation technology (BIGCHAR CCT). BIGCHAR CCT can recover energy and char from a wide range of biomass residues, including challenging biomass materials that foul or damage conventional technologies. James is co-director and Principal Engineer at Pyrocal P/L who build, operate and sell BIGCHAR CCT plants. Pyrocal's manufacturing facilities are based in the Riverina currently export to six countries. Dr. Joyce has worked within the biomass and energy sectors for 27 years.

AEES GROUP - RICHARD MARTIN

The AEES Group is a leading end-to-end engineering, procurement and construction firm operating in the renewable energy and energy efficiency sector. AEES can provide specialist energy management solutions and tailored net-zero carbon strategies for business and industry. An estimated \$37 billion in investment is required to meet Australia's 2020 targets. Meeting this increased demand for energy, while moving to a low-emissions future, is a key challenge facing Australia's future growth. Businesses can benefit by generating renewable energy and energy cost reduction gains "behind their own electricity meter". This approach is aimed at reducing both consumption (kWh) and peak demand (kVA) on-site. AEES Group will demonstrate the technology options available to significantly reduce grid derived electricity cost.

GREENLAND SYSTEMS - ANDREW PINTAR

Greenland Systems manufacture Industrial Scale Advanced Evacuated Tube Solar Thermal systems for process heat for use in the food processing industry. The Greenland System is suitable for applications to 200 degrees C, providing high temperature hot water and steam capability. The technology requires minimal maintenance, operates effectively in cloudy conditions and is scalable to 10s of MW. Andrew Pintar is the Corporate Development Manager for Greenland Systems and has a background in Energy Markets and Infrastructure finance

ACTIVE RESEARCH - DAVID HALLIDAY

Active Research design, construct and manage organic liquid waste facilities to generate biogas, recover nutrients (NPK) and water for reuse. Active Research supply fully equipped mobile pilot Anaerobic Digestion (AD) plants where all phases of the digestion process are undertaken, managed and monitored. The systems are site specific and are capable of processing a very wide range of substrates.

Active Research are committed to advancing Anaerobic Digestion (AD) technologies and processes for Australian conditions. David Halliday has extensive experience in both liquid waste management and rendering industries.