



Chemicals

Dangerous & hazardous goods

Waste recycling & disposal

Bioenergy

Technology scale-up



*“...offering success  
through innovation and  
experienced, practical  
engineering”*



Enecon is an Australian consulting company that provides high quality engineering and project management services. We take pride in offering:

- Flexibility and enthusiasm
- A collaborative approach
- Practical, cost-effective designs
- Experienced management of programs and costs
- Full attention to safety and quality



## Personnel

Our award-winning team includes experienced engineering, drafting, management and administration personnel. We routinely work with other consultants and also augment our own resources through long-standing associations with a range of specialists.

Enecon prides itself in being open, ethical and interactive with all its stakeholders. Our goal is to be part of successful projects, with full regard to our clients' best interests at all times



## Services Provided

Enecon's assistance can range from a few hours of advice to a thousand hours or more of detailed engineering. We cover the full development cycle, with services that include:

- Concept development
- Project scoping and definition
- Cost estimates
- Technology scale-up
- Detailed design and drafting
- Equipment specification and selection
- Project management
- Commissioning and handover

Our involvement is generally "hands on" - the engineers that design a plant can be the same engineers that assist with commissioning.

Sustainability and good environmental design are fundamental to our work. We have completed major projects involving bioenergy and chemicals from renewable feedstocks, as well as numerous assignments involving recycling or safe disposal of solid and liquid wastes.

## Typical Assignments

The following examples are typical of the work that we undertake:

### Industry Assignment

**Chemical** Hazardous liquid handling and storage systems in an operating plant. Work includes initial budgets, assistance with permits, detailed design, drawings and specifications, hazard and operability studies, oversight of equipment procurement, and commissioning assistance.

**Chemical** Novel reactor design, involving conceptual and detailed design, drawing and specifications, vendor management and site commissioning.

**Chemical** Development work for a \$45M process plant and related infrastructure on greenfield site. Involved preliminary design, layouts, feed handling equipment, equipment trials overseas, detailed capital and operating costs, sensitivity and risk analysis.



**Chemical** Feasibility, scale-up, detailed design, construction and commissioning assistance for charcoal and activated carbon plant.

### Industry Assignment

**Bioenergy** Industry master planning, technology and cost options for biomass processing to electricity, fuels and chemicals. Involved feasibility work, technology appraisals and detailed study reports.

**Chemical** Multiple assignments at processing facility that recovers valuable chemicals from residues. Assistance on projects for new process plant, energy plant and product storage systems.



**Mineral Processing** Project engineering and management duties at a major minerals facility. Included design and documentation work, site supervision and co-ordination of a variety of projects valued at up to \$50 million.

## Awards

Enecon and its personnel have won or shared in multiple awards over the past twenty years, in Australia and also in Asia and the UK. This includes awards from groups such as Engineers Australia, the Institution of Chemical Engineers and Rabobank for:

- Conceptual engineering
- Detailed engineering
- Business planning
- Project development

## Clients

Enecon works on studies and projects in a variety of industries throughout Australia. Our client list includes:

- Western Power Corporation/Verve Energy
- Alcoa of Australia
- Geocycle (Cement Australia)
- Government departments (State, Federal)
- Woodside
- BHP Billiton
- Visy Industries
- Toxfree
- Huntsman
- Australian Tartaric Products
- Kingspan
- Southern Pacific Petroleum
- Hydro Tasmania
- Rural Industries R&D Corporation
- ALMC
- Thales
- Forestry authorities (NSW, Tasmania, SA)
- Councils (City, Shire)

## Repeat business

Enecon is proud of the large amount of repeat business that it receives, with much of the company's work coming from clients that have engaged Enecon on numerous projects over several years. These assignments vary – from small studies or advice, through to provision of multi-discipline teams for engineering and project work valued at millions of dollars. On every assignment we work hard to ensure that we meet the client's needs and complement their own resources.

## Contact Us

Enecon is managed by its two Executive Directors – Colin Stucley and Jim Bland. Colin and Jim each hold an honours degree in Chemical Engineering, and either or both are personally involved in every project that the company undertakes.



Colin Stucley  
Director



Jim Bland  
Director

Please contact us for more information:

### Enecon Pty Ltd

651 Canterbury Road  
PO Box 175  
Surrey Hills Vic 3127  
Tel: +613 9895 1250  
email: [mail@enecon.com.au](mailto:mail@enecon.com.au)  
[www.enecon.com.au](http://www.enecon.com.au)