



ECO FUEL
INNOVATIONS



▶ At the intersection of
ECONOMY and **ECOLOGY**
comes *truly sustainable solutions*



OUR COMMITMENT

Imagine technology that offers economic and ecological solutions for the challenges facing our mining industry, local councils, statutory authorities, and the governments of small island nations, complete with a business model tailored specifically to your most pressing needs.

At EFI we achieve all that, and more.

Partnering with the world's leading specialists, we have created a solution that converts coal and municipal solid waste into high grade diesel and electricity.

Then, and perhaps more importantly, we have packaged it into a business model that specifically addresses the goals, budgetary, finance, risk aversion, insurance and operational needs of coal mine operators and governments at all levels.

In short, our commitment is to deliver an effective and efficient solution to economic and ecological pressures at NO risk to you, to give your business a competitive edge.

Philip Major
Managing Director

EFI LEADERSHIP

Our leadership team is tenacious and single-minded in their objective to become the most respected provider of sustainable fuel resources in Australasia for corporate and government clients.



PHILIP MAJOR
MANAGING DIRECTOR

A leading consultant with an impressive management history within multi-million dollar corporations. Philip works with local councils, statutory authorities, government energy ministerial offices for small island nations, and coal mining corporations, to enable them to harness the benefits of sustainable fuels.



GARY GODDARD
SPECIALIST ADVISOR

A highly sought after structural engineer, Gary has operated his engineering consultancy for 30 years. His expertise is diverse spanning business sectors that include mining and marine to multi-million dollar commercial, retail, residential and resort development projects, including world class luxury resorts. A trusted and respected leader, Gary effortlessly brings teams and stakeholders together, interpreting technical complexities to clearly articulate options for achieving outcomes.



ABOUT US

EFI is a consulting firm offering leadership and specialist technologies in the conversion of coal and municipal solid waste to fuel and energy sources that have significant economic and environmental impacts for coal mining operations, statutory authorities and governments at all levels.

Ours is a partnering model – working in tandem with our clients and aligned professionals, we deliver best practice solutions.

Our service and advice is holistic.

We are focussed directly upon addressing priorities specific to needs and this is demonstrated in our business model that includes realistic terms for payment, equipment leasing arrangements and a payment program that is based upon production of diesel at competitively negotiated rates per litre.

Our approach is 100% outcome based.

Put simply; no production, no payment, no risk.

INNOVATION

TECHNOLOGY: THE PROCESS

The process converts coal to synthetic diesel using a catalytic depolymerization process (CDP). The process mimics the natural geological stages involved in fossil fuel production. However, whereas natural crude oil production takes over 3 million years, this process takes just 3 minutes due to the advanced technical properties of the catalyst. Furthermore, the process produces diesel at a rate of 150 litres per hour up to 5,000 litres per hour.



Both the natural and simulated processes create the same end product but the latter is environmentally benign.

The system is very low maintenance, reliable and safe. The heat and power required for processing are supplied by a combined heat and power (CHP) plant, which represents just 10% of the diesel produced by the unit. The process is highly efficient; converting approximately 80% of the hydrocarbon content of the input material to diesel.



BUSINESS MODEL: OUTCOME BASED

The EFI business model is outcome based and purposefully addresses issues of budget, expenditure and environmental impacts to deliver self-sufficiency via a process that, in addition to the production of high grade diesel, satisfies all EN590 specification requirements and can, if required, produce electricity. With the opportunity to independently produce diesel and electricity, substantial savings can be made to costs. With self-sufficiency comes economic security and considerable fiscal protection from external influences.

Our business model is tailored to suit specific needs and production requirements.

The system may be purchased or leased. This involves a once-only deposit (which is guaranteed) then a buy-back of the diesel produced at a predetermined per-litre price and agreed supply quota.

Outcome based, our service is holistic.

Working closely and in consultation with our clients, we deliver a fully integrated solution designed to achieve goals and surpass expectations.



**ECO FUEL
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LEAF TO LIGHT

Our brand: Our promise is a metaphor for self-reliance and fiscal security

ECO FUEL INNOVATIONS Pty Ltd
Unit 11 K1 16 Innovation Parkway Birtinya 4575 Qld Australia
PO Box 579 Maroochydore 4558 Qld Australia
P +61 (0)400 233 429 **E** sales@ecofuelinnovations.com
ecofuelinnovations.com