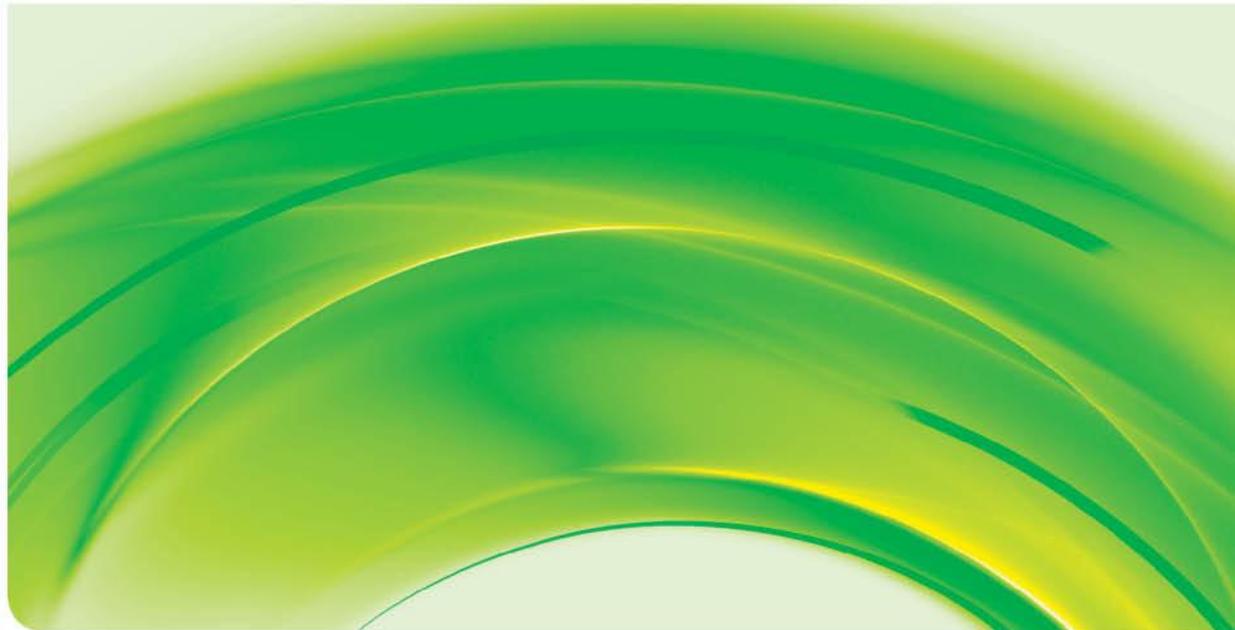




energy now & for the future

Jat Oil Limited

Update Presentation: February 2011





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EXECUTIVE SUMMARY

- Jatoil Limited ("JAT") is listed on the ASX as an Energy company (listed January 2008).
- The Company was initially focused on developing **biofuel businesses** in Asia, and announced a **diversification into coal** in September 2010.
- Jatoil has an **experienced** Board and Management **team** with many years experience in **mining, energy** and **new project and business development**

COAL BUSINESS

- Jatoil announced in **September 2010** a binding MOU for the **100 % acquisition** of Blackrock Resources Pty Ltd, an Australian company with thermal quality **coal assets in Kalimantan, Indonesia**
- In **December 2010**, Jatoil announced **completion of DD** and issued a Notice of Meeting for shareholders to consider the Blackrock acquisition for February 10, 2011.
- In **February, 2011**, Jatoil announced the **acquisition of 4 tenements** in the **Galilee Basin, Queensland** from Spinifex Rural Management Pty Ltd
- Jatoil will use revenues from its early production to **fund JORC drilling** of its major Indonesian and Australian assets
- Jatoil will be adding an **experienced coal chairman** to its Board post-acquisition of Blackrock
- **Jatoil is targeting first production of 30 kT/month of 5600 – 6300 kcal/kg coal from its Indonesian operation within 6 to 9 months.**

BIOFUEL BUSINESS

- Jatropha is a hardy small tree, can be grown on land uneconomic for food crops alone, is inexpensive to establish and produces oil seeds for over 20 years, yielding around **10 bbls of oil per hectare highly suitable for processing into renewable jet fuel**, plus other liquid fuels.
- Jatoil has invested in jatropha in **Indonesia** through a majority-controlled joint venture arrangement.
- Jatoil has approximately **2,000 hectares under cultivation** and an option to expand rapidly via a 10,000 hectare land bank.
- Jatoil achieved its **first export** of crude jatropha oil in July 2010, and has an off-take agreement in place to sell its production **to the aviation industry**.
- The potential in the aviation industry is real - the International Air Transport Association has stated it wants **10% of jet fuel to come from renewable sources** by 2017 - about 200 million bbls per year.
- **Jatoil can profitably produce renewable crude oil for under USD 65/bbl, and can break even as low as USD 45/bbl. 4-year off-take contracts are in place at USD 90/bbl.**





JATOIL LIMITED

- Incorporated January 2006
- Raised capital in November 2007
- Listed on ASX January 2008

Our core business
is energy.....now
& for the future.



JATOIL - KEY MILESTONES FOR LAST 12 MONTHS

- **February:** Jatoil announces JV deal with Waterland Intl. to grow Jatropha biofuel feed stock on 12 000 ha in central java
- **June:** PT Jatoil Waterland established with 1,000 ha of 2 to 3 year old Jatropha and 11,000 ha land bank..
- **July:** First product oil sale: 10 tonne crude Jatropha oil to aviation industry with a further 4 year off-take agreement in place: price linked to palm oil
- **September: Announced diversification into coal via acquisition of Blackrock Resources + focus on Indonesia.** Nurseries established for further 500 ha green-fields plant-out in PT Jatoil Waterland.
- **October:** 500 ha of 3 to 4 year old Jatropha added to PT Jatoil Waterland
- **December:** Achieved ~ 2,000 ha under cultivation in central Java
- **December: Announced completion of DD on major coal asset** and updated process for completion of coal acquisition
- **February:** Jatoil announces Jatropha production milestone of 200 tonnes, establishment of Singapore trading entity and binding letter of intent for the **acquisition of four Australian coal tenements**

EXECUTIVE SUMMARY - COAL

INDONESIA

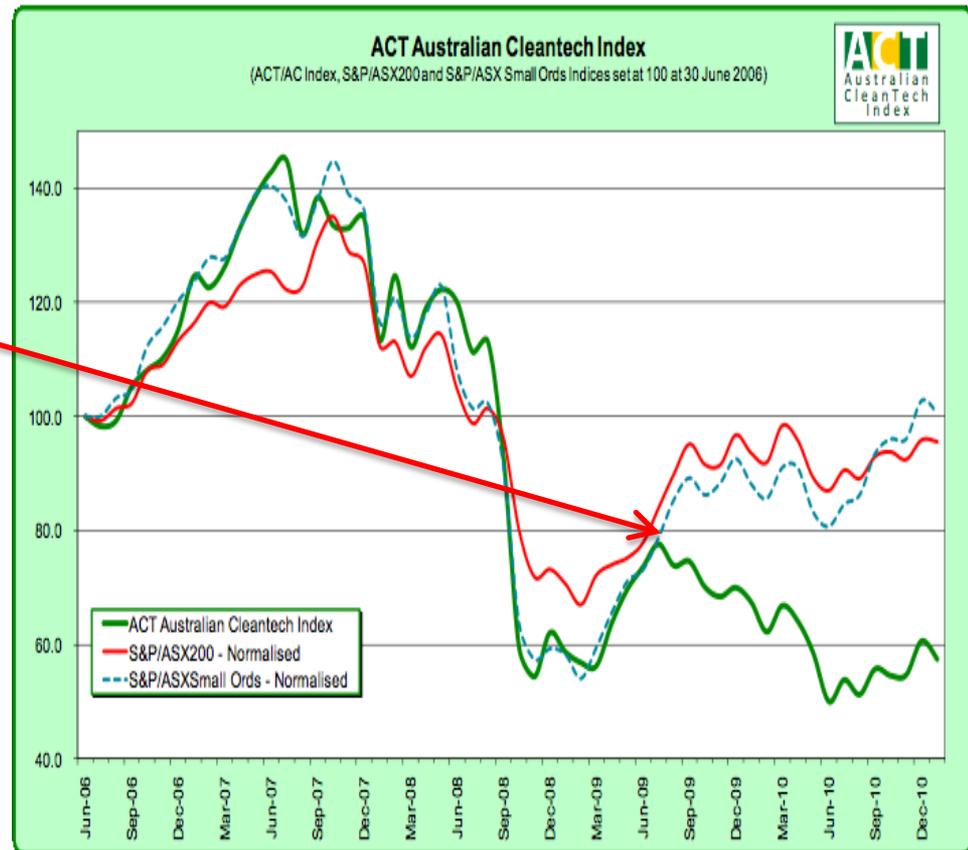
- Jatoil announced September 6, 2010 that it had signed a binding MOU to acquire 100 % of Blackrock Resources Pty Ltd, an Australian company with **coal assets** in Indonesia
- Blackrock has **2 binding agreements in place** on **one large prospective** and **one near-production** coal project in Kalimantan
- Black also has a **project pipeline** of several near-production mines which are currently under due diligence.
- Target Mineralisation identified across the two projects of over **40 million tonnes**.
- Coal quality suitable for both **domestic** and **export** thermal coal markets, with possibly some coking-quality coal.
- Projects located in **known coal production areas**.
- Potential to increase exploration targets significantly through further drilling and/or additional acquisitions.
- Blackrock has a **well-credentialed team** with deep experience in mining.
- **Well-developed strategy** based on early revenues from smaller projects and pre-sales of coal to fund full mining operations across all projects.

AUSTRALIA

- Jatoil announced February 8 that it had signed a binding letter of intent with Spinifex Rural Management Pty Ltd, to acquire 4 Spinifex **coal assets** in Australia
- The deal covers **2 exploration permits** and **2 exploration applications** on tenements in Queensland's Galilee basin
- Jatoil is in **exclusive negotiations** with Spinifex on several other Galilee, Bowen and Surat Basin tenements owned by Spinifex in Queensland.
- The Galilee Basin tenements are proximate to **world class JORC proven thermal coal resources** of several billion tonnes including
 - Adani India's project,
 - Hancock Mining's Galilee project,
 - Clive Palmer's Minerology Waratah Coal project and
 - Linc Energy tenements in the North Richmond area, North Western Galilee.

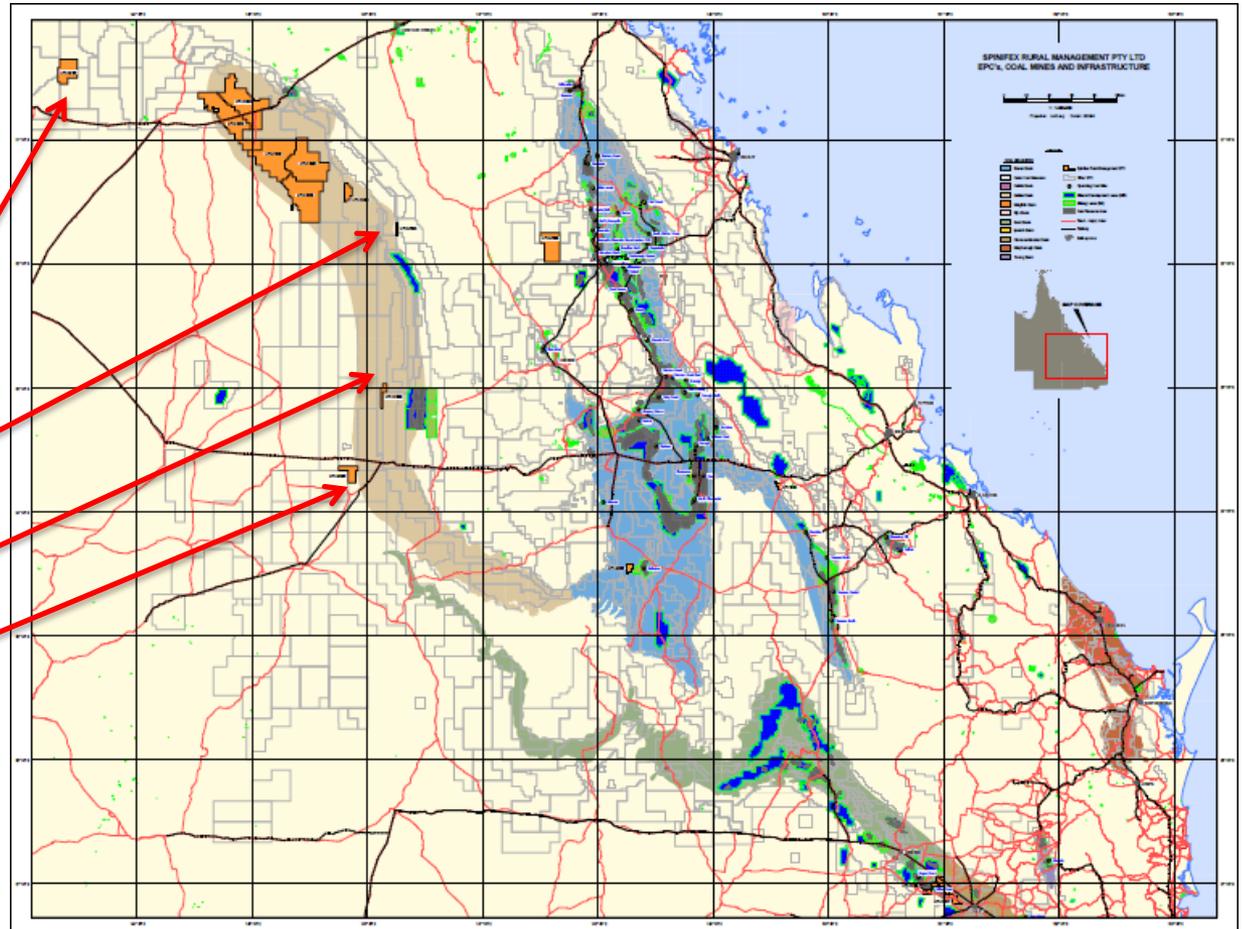
WHY COAL ?

- Jatoil significant commercial revenues from Jatropa is expected in 2 + years (mainly from current crop maturity plus some from early expansion).
- Cleantech stocks have significantly “unhitched” from the ASX 200 and small ords.
- While this could result in significant upside for Cleantech in the future, Jatoil needs a fast revenue bridging strategy to achieve scale in all our projects in the short term.
- Opportunity to re-habilitate the land after mining into energy crop such as Jatropa.
- Blackrock Coal builds on Jatoil's experience in Indonesia and can provide significant revenue in 6 to 9 months.



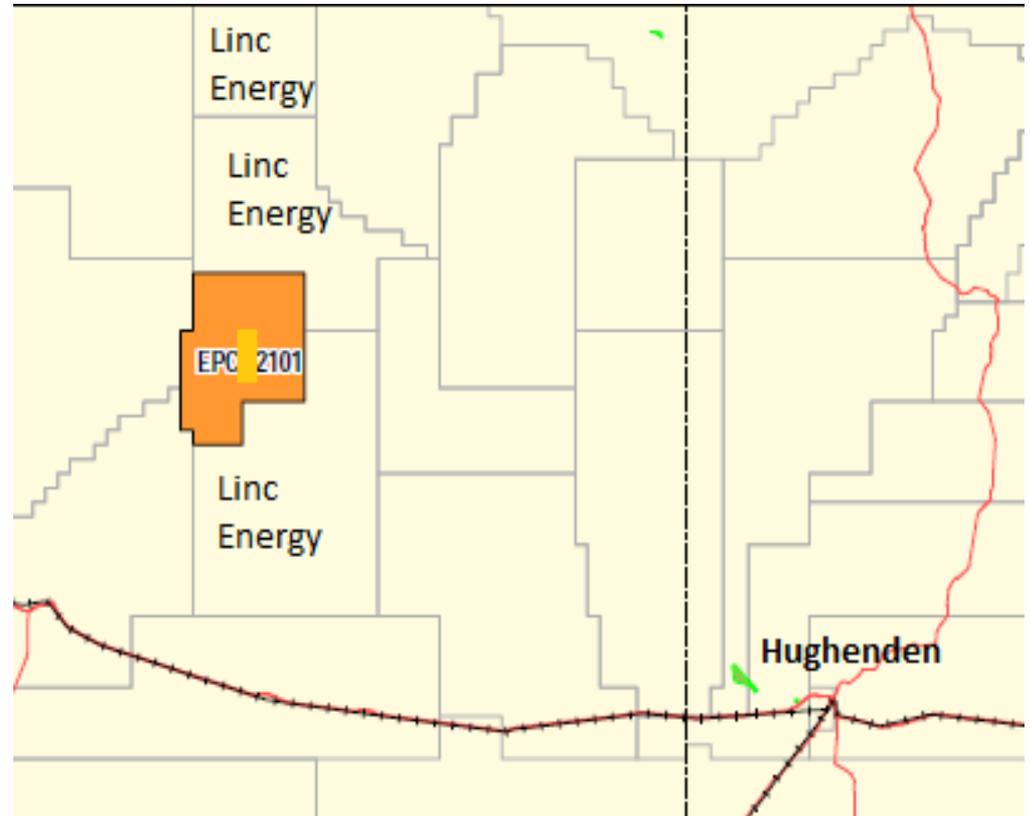
AUSTRALIAN COAL: SPINFIFEX TENEMENTS IN THE PROPOSED ACQUISITION

Tenement	Number of Sub Blocks
EPC 2101	100
EPCA 2166	6
EPC 1988	18
EPCA 2020	44

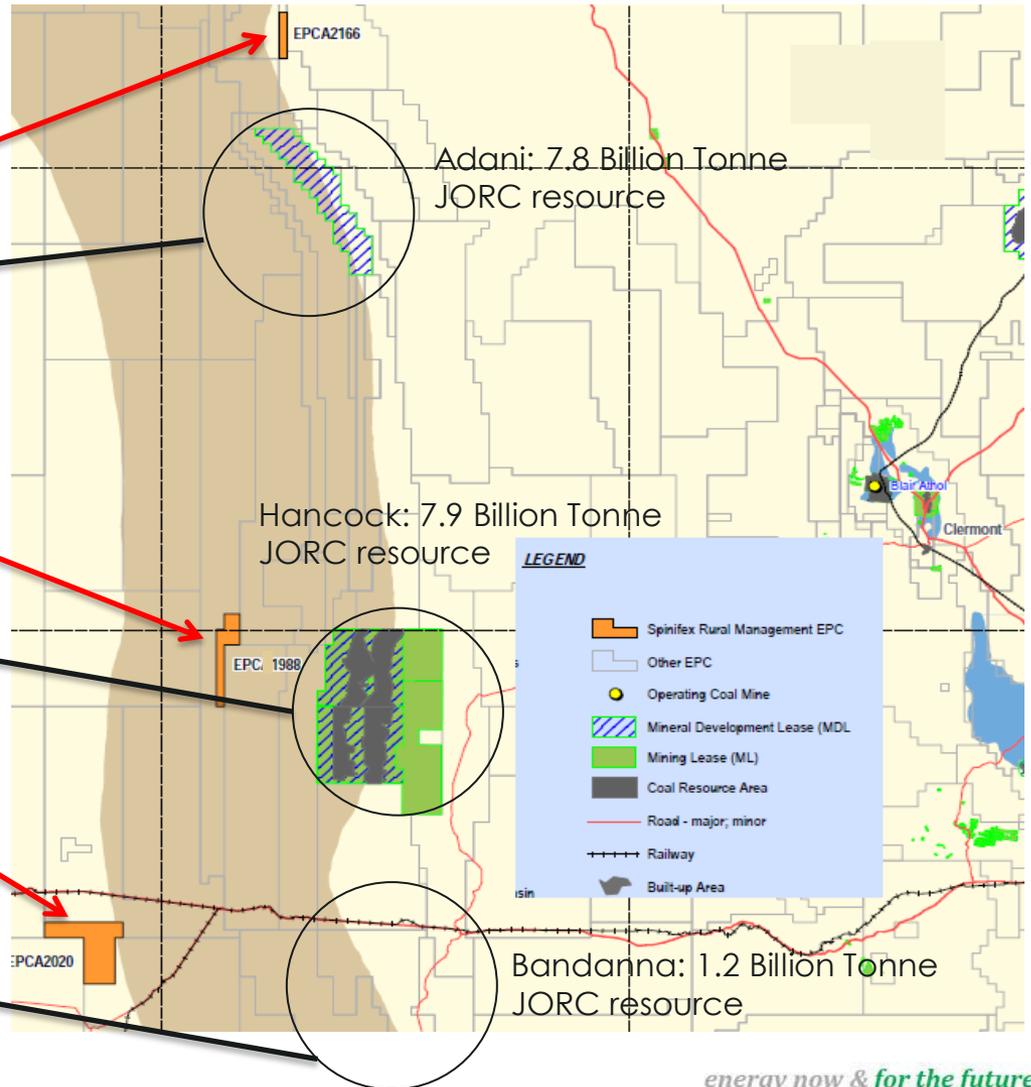


SPINIFEX PROJECT AREAS: EPC 2101

Tenement	Number of Sub Blocks	Comment.
EPC 2101	100	Adjacent to other Linc Energy Concessions

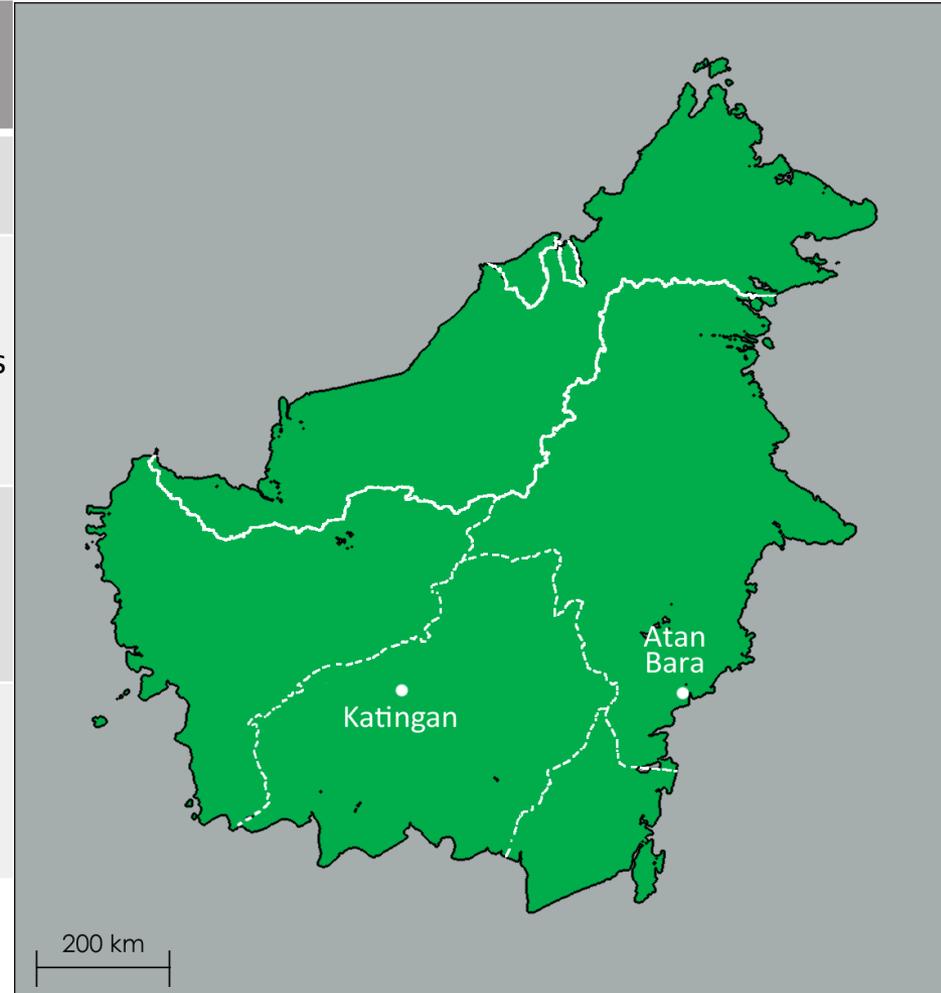


Tenement	Number of Sub Blocks	Comment.
EPCA 2166	6	~ 15 km North of Linc Energy blocks sold to Adani
EPC 1988	18	Abuts Waratah Coal tenements and Hancock Mining ~ 20 km to the east
EPCA 2020	44	Abuts Waratah, Minerology coal tenements to the east, ~ 40 km from Bandanna South Galilee project



INDONESIAN COAL: BLACKROCK PROJECT AREAS

	Status	Indicative Calorific Value	Potential Exploration Target	Haulage	Estimated Time to Production
		(kcal/kg)	(Mt)	(km)	
Katingan	Exploration IUP	5,500–5,800	37.3	50	2–3 years
Atan Bara	Exploration IUP	5,900–6,400	0.6	6	6–9 months
Other projects	Under due diligence		>2		



INDONESIA'S NEW MINING RULES REDUCE RISK

IUP - new Mining Business License System

Implemented in July 2009:

- All old system licenses (KP's and COW's) needed to be transferred to new licenses (IUP's); either
 - IUP Exploration
 - IUP Production
- The IUP production license allows commercial production for a minimum of 20 years, with the potential for two further 10 year extension periods;
- Allows majority foreign ownership of projects;
- Levels the "playing field" between national and foreign interests - increases foreign investment;
- More certainty in tracing ownership or "providence" of leases
- For leases within provincial boundaries – authority rests with the regent / mayor or "Bupati" – quickens the process of application



2011 TARGETS

COAL BUSINESS

- Complete Blackrock acquisition:
 - EGM - shareholder vote on February 10, 2011
 - Suspend Jatoil traded securities, issue prospectus and comply with ASX re-listing requirements, including shareholder spread and working capital
 - Re-list by end February / early March 2011
 - Appoint new experienced Coal Director to Board by end March
- Complete Spinifex asset acquisition end Q2 latest.
- Bring at least one coal mine into production in East Kalimantan in Q3/4, 2011, and a second by Q1/2 2012.
- Commence detailed JORC drilling exploration on Katingan in central Kalimantan.

BIOFUEL BUSINESS

- Raise jatropha project capital via Singapore and expand by a further 9,000 hectares in PT Jatoil Waterland JV.
- Target > 1,000 tonne of production of crude Jatropha oil from the PT Jatoil Waterland JV.
- Target short term revenue opportunities from the JV from high value intercrop such as organic spices and Stevia.

Additional Slides

JATOIL - BOARD

RECAP – JATOIL'S JATROPHA OPERATIONS

JATOIL BOARD

Ross Kestel, *B.Bus, ACA, AICD*

ACTING CHAIRMAN, NON-EXECUTIVE DIRECTOR



Mr Kestel is a Chartered Accountant and was a director of the accounting practice Nissen Kestel Harford from July 1980 until April 2010. Mr Kestel has acted as a director and company secretary of a number of public companies involved in mineral exploration, mining, mine services, property development, manufacturing and technology industries. Mr Kestel is currently a non executive director of the following ASX listed companies: VDM Group Limited – August 2005 to current, Jabiru Metals Limited – August 2003 to current, Resource Star Limited – August 2006 to current, Xstate Resources Limited – September 2006 to current, Regis Resources Limited – July 2009 to current. During the past three years he has also served as a non executive director of the following ASX listed companies: Equigold NL - April 2005 to June 2008 , Dioro Exploration NL – April 2008 to February 2010, Blackcrest Resources Limited – June 2006 to 13 October 2010. Mr Kestel is a member of the Australian Institute of Company Directors.

Phil Hodgson *BE, PhD.*

CHIEF EXECUTIVE OFFICER, EXECUTIVE DIRECTOR



Phil joined Jatoil as a Non-Executive Director in October 2008, and moved to the CEO role in February 2009. Phil is founding Director of an independent consultancy specialising in strategy and change management, supply chain and commercial development of new technologies. Phil worked for Shell for more than 14 years and developed experience in numerous roles across all key sectors of the Downstream energy industry including oil refining and supply, marketing and sales, pricing strategy and risk management, and corporate strategy and portfolio project management. Senior executive roles during this time included General Manager and Alternate Director of Fuelink Pty Ltd, a \$700m-revenue, 300-employee distribution and sales subsidiary; and Manager - Strategy and Portfolio for Shell Australia, where Phil lead numerous business strategy, portfolio and change management projects including the completion of four international portfolio deals worth more than \$150 m.

Tom Hancock *BSc MIEAust CPEng*

NON-EXECUTIVE DIRECTOR



Tom Hancock is a chemical engineer with more than 20 years' experience in the environmental and waste-to-energy fields in Australia and Asia. He was previously Executive Chairman of the Asian subsidiary of a large multinational waste management company headquartered in France , involved in the recycling and disposal of hazardous waste.

Tom has considerable experience in the operation of chemical plants. He was previously general manager of waste management for Brambles Asia, where he initiated a successful project for the conversion of waste to energy, and was managing director of Cleanaway Taiwan, Brambles' first joint venture in Asia.

Tom has previously held the position of national technical manager for Cleanaway Australia, the largest waste management company in Australia at the time, providing technical services and support to Cleanaway state divisions across Australia and preparing the winning bid for construction and operation of a liquid waste treatment plant. He has been a manager for Retec Limited, a subsidiary of ICI Australia, where he was responsible for the division producing exotic and hazardous chemicals, and for marketing and distribution throughout Oceania and Southeast Asia into the explosives, steel, rubber and chemical industries.



EXECUTIVE SUMMARY - Jatropha

- Jatropha is a hardy small tree, can be grown on land uneconomic for food crops alone, is inexpensive to establish and produces oil seeds for over 20 years, yielding around **10 bbls of oil per hectare highly suitable for processing into renewable jet fuel**, plus other liquid fuels.
- Jatoil has invested in jatropha in **Indonesia** through majority-controlled joint venture arrangements.
- Jatoil has a **highly skilled management team** with experience in agricultural project development in SE Asia, raising capital and listing, energy project development, energy markets, supply and trading, and supply chain logistics, and employ or contract either directly or via its subsidiaries over 70 people on majority/full-time basis.
- Jatoil has approximately **2,000 hectares under cultivation** and an option to expand rapidly via a 10,000 hectare land bank.
- Jatoil achieved its **first export** of 10 tonnes crude jatropha oil in July 2010, and has an off-take agreement in place to sell its production **to the aviation industry**.
- **Production update** in February, 2011: **200 tonnes** of CJO produced.
- The potential in the aviation industry is real - the International Air Transport Association has stated it wants **10% of jet fuel to come from renewable sources** by 2017 - about 200 million bbls per year.
- **Jatoil can profitably produce renewable crude oil for under USD 65/bbl, and can break even as low as USD 45/bbl. 4-year off-take contracts are in place at USD 90/bbl.**

BIOJET IS RAPIDLY GAINING MOMENTUM

- **30 December 2008:** World's first biojet test flight by Air New Zealand on 50% Jatropha biojet/50% normal jet fuel.
- **Feb-Mar 2009:** Additional flights by Continental and Japan Air Lines on biojet derived from Jatropha, Camelina and Algae.
- **March 2009:** International Air Transport Association (IATA) calls for 10% alternative/renewable jet fuel by 2017 - **some 200 millions bbls year.**
- **10 June 2009:** Boeing, UOP release biojet test flight data - biojet fuel exhibited superior cold properties and higher fuel efficiency.
- **24 June 2009:** Aviation subcommittee of the American Society for Testing and Materials (ASTM) passed specifications for biojet fuel, paving way for certification within 2011.

*The **aviation** industry will face an initial **carbon liability** of \$1.53 billion in 2012 when aviation enters the **EU's Emission Trading Scheme**. Among top airlines, British Airways, United and Delta will all have exposures in excess of 3 million metric tonnes of CO₂, with **Qantas** not far behind at 2.7 million metric tonnes (at Carbon Prices of E 14.40/tonnes CO₂, this will result in **offset payments of more than AU\$60 million each**).

*RDC Aviation/Point Carbon report, July 2009.



"Five airlines have successfully tested biofuels and we expect certification within 2011 at the latest. Aviation biofuel is a **US\$100 billion plus** business opportunity."

IATA CEO Giovanni Bisignani, February 2010.

- **August 2009:** EU releases list of nearly 4,000 commercial airlines, private jet operators and air forces that must reduce their emissions or face a European airport ban.
- **November 2009:** KLM, WWF and others establish SkyNRG. KLM flies first ever passenger flight on biojet.
- **15 February 2010:** British Airways announces plan to build jet fuel plant to synthesise jet fuel from biomass.
- **28 April 2010:** SkyNRG granted E 1.25m from the Dutch government to develop biojet.
- **18 October 2010:** Boeing and Air China announce collaborative test program for commercial biojet.
- **26 October 2010:** Boeing, US Dept of Agri and US Federal Aviation Administration announce partnership on aviation biofuels





JATROPHA CURCAS IS A HIGH POTENTIAL BIOFUEL PARTICULARLY SUITED TO MAKING BIOJET

The Facts about Jatropha...

- Well-planned and managed Jatropha crops are hardy, live for 30 + years, and have a low water footprint*
- Can be economic on marginal lands**
- Targets *additional* farmer income, rather than replace other crops or requiring deforestation, and fosters employment in developing countries
- Can produce sustainable fuels with reduced carbon footprint ***



Jatropha is a **leading candidate for renewable jet fuel** with several aviation industry test flights demonstrating its suitability, excellent cold and power properties.

***Proceedings of the National Academy of Sciences:** The water footprint of bioenergy from *Jatropha curcas* L. Raymond de Jongschaap, R.A.R. Blesgraaf, Thom Bogaard, E.N. van Loo and H.H.G. Savenije AND **Proceedings of the National Academy of Sciences of the United States of America:** Use of inadequate data and methodological errors lead to an overestimation of the water footprint of *Jatropha curcas*. W. H. Maes, M. J. Achten and B. Muys

** Early yield and survival data – Jatoil / GEV / CBF field trials - Vietnam

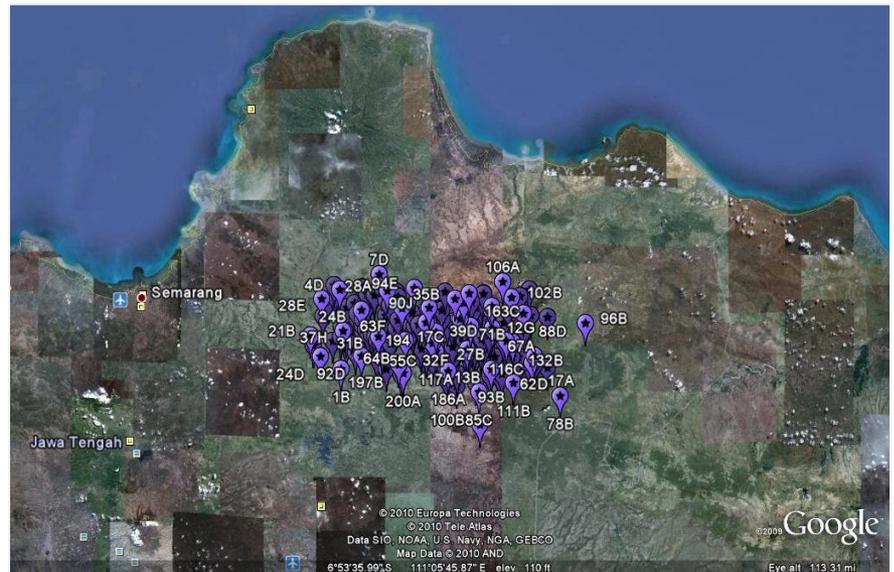
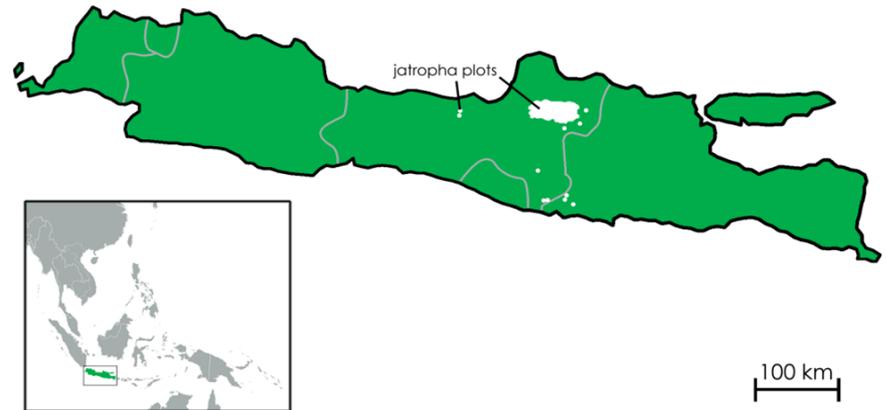
***Comparable GHG reductions for oil-based seed crops. Jatropha life cycle analysis – definitive studies are targeted by independent groups for end 2009. Final numbers will depend heavily on land clearing practices / land use alternatives etc





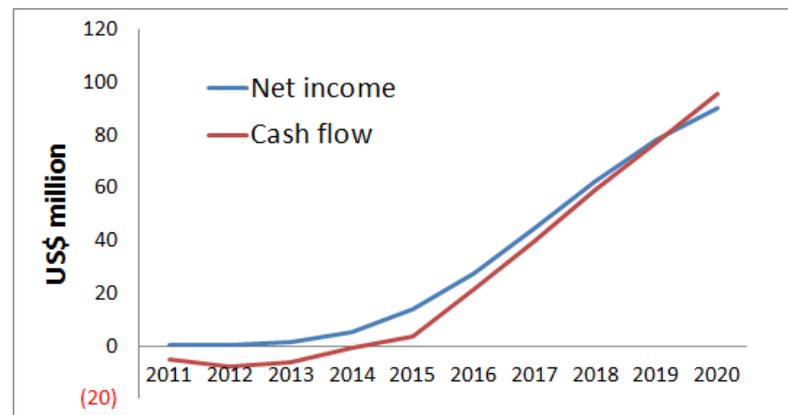
PT JATOIL WATERLAND: CENTRAL JAVA PROJECT

- 1,000 ha of 2 to 3 - year old jatropha = phase 1 (proof of concept and trial).
- First production and revenues with 4 year off-take agreement with Waterland who have on-sold to refiners with product bound for airline industry.
- 500 ha of 4 to 5 year old jatropha added Oct 2010, with a further 500 planted out by end 2010.
- Agreements in place for a further 9,000 ha development to full commercial stage, 20 + 5 + 5 year land access.
- MOU for 100,000 ha of production - Waterland has access to up to 3.7m hectares from the forestry department.
- Javanese hinterland decimated by forest clearing and government keen to protect remaining teak in mountains, as well as re-establish forest.
- Biggest issue is employing the local farmers so they stop illegally logging native forest.
- Foothills of mountains are steep and full of volcanic rocks for normal farming (marginal) however opportunity exists to grow hardy jatropha in rich volcanic soil, stabilise and allow for intercroops, and earn revenue for the locals while teak is re-established over 50 to 80 years.
- **Recently Norway and Indonesia announced a USD \$1 billion agreement of re-forestation (which includes jatropha as a forestry intercrop) and associated carbon credits.**



CAPITAL NEEDS AND PROJECT FINANCIAL RETURNS

- **100,000 hectare** project, to produce 1 million bbls oil pa for 20 + years
- Projections over 10 years
- Includes CJO extraction, fertiliser, power generation and intercrop
- No revenue from carbon assumed



100,000 hectares	Production (tons)	Capital (\$US M)	Revenue (US\$m)	Gross Profit (US\$m)	IRR (%)
Oil (ton)	876,000	19.1	939	326	53.2%
Fertilizer (ton)	1,465,000	1.4	104	69	71.5%
Power MW	336 GWh	6.0	76	63	36%
Intercrop (ton)	12,500	0.4	30	5	n/a*
Total Start-Up Capital Required		20.9	1,150	462	55.5%



JATROPHA: VALUE BENCHMARKING

PLANTATION VALUATIONS

- Jatropha plantation valuations vary: an estimated range of **USD 1,000 to USD 1,600/ha** for newly established, ranging up **to USD 6,000/ha** future value/established*#



VEGETABLE OIL PRODUCERS: PALM OIL

- Palm Oil is typically valued between **USD 10,000 to USD 50,000 per ha**:
 - USD 10,000/ha (Global Palm Resources, 11.5 kHa cultivated on land bank of 16 kHa, market cap ~USD 120 m).
 - USD 50,000/ha (Wilmar International, 223 kHa cultivated on 570 kHa land bank, market cap ~USD 30 b).
- Jatropha is one quarter to one third the yield of palm, but is about one tenth the development cost.
- Once Jatropha is an established industry - it could represent a better investment than Palm?