



Investor Presentation
September 2013

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Company Snapshot



- Jatenergy (ASX:JAT) is an ASX listed energy investment company, focused on conventional, second generation and energy conversion technologies. Jatenergy acquires projects, creates value through development and then sells or Joint ventures the projects to provide a return for investors.
- Jatenergy currently has a diversified project portfolio with a focus on:
 - 1 – Coal production and coal project development.
 - 2 – Biofuel feedstock production
 - 3 – Coal conversion and energy materials technologies

Jatenenergy (ASX:JAT)	
Issued Shares:	98,565,568
Share Price	\$0.033
Options:	31.89 M (\$0.25 Exercise Price)
Market Capitalisation:	\$3.25 Million



Figure 1 – Thermal Coal

Company Snapshot



Jatenergy Limited

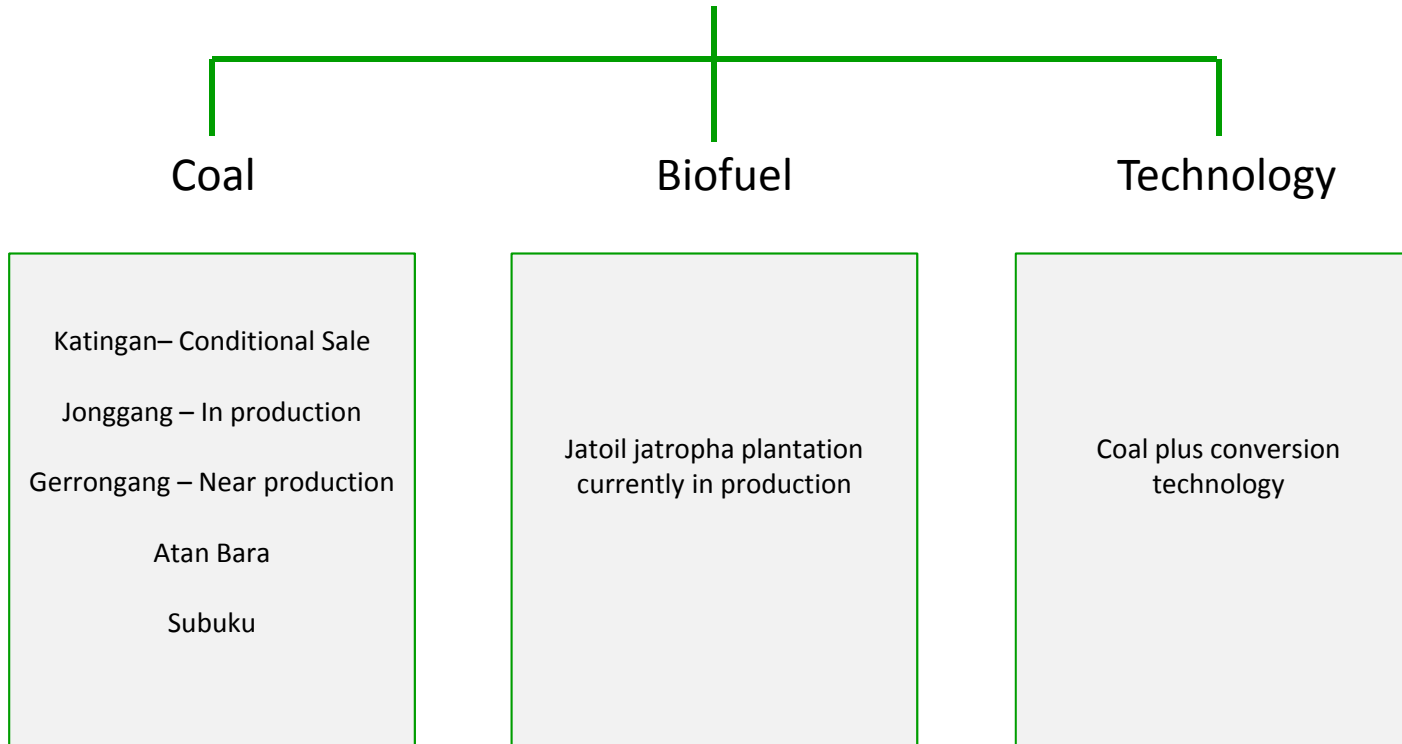


Figure 2 – Jatenergy - Project Overview

Investment Highlights



Immediate Cash flow

- \$1.8 million to be received by 17th of December, 2013 from the sale of the Coal Soil Brik project. It should be noted that this is subject to the satisfaction of condition precedents.

Producing Assets

- Jongkang coal project in Kalimantan, Indonesia currently in production with 30,000 produced in the past year.
- Jatoil biofuel project produced 2,800 tonnes of Jatropha seed in 2012 alone.

Diversified Portfolio

- Jatenergy has an extremely diversified investment portfolio and provides investors with exposure to conventional, second generational fuels and conversion technologies.

Issued Capital

- The company currently has 100 million shares on issue.

Ability to Upscale Production

- Jatenergy has the ability to increase production for both the Jongkang and Jatoil biofuel projects.

Technology Upside

- Other than simply being a coal production company, Jatenergy also houses coal plus energy conversion technology.
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Directors & Management



Jatenergy is led by a team of experienced executives from a diverse range of backgrounds.



Tony Crimmins – Executive Chairman / Managing Director

- BE ME MBA GradDip (Marketing)
- Long history of involvement in ASX listed startups including Blueglass.
- 6 years experience as an environmental engineer and business development manager in Asia.



Xipeng Li – Non Executive Director

- Graduated from Zhongnan University of Economics and Law also holds an Executive MBA.
- Held a Directorship at Pinglin Expressway Limited.
- Chairman of Henan Shengrun Real Estate Co Ltd, China, since May 2000.



Wilton Yao – Alternate Director for Mr Xipeng Li

- Involved in the business broking industry for more than 10 years.
- Worked with a number of franchise firms to develop franchise businesses locally and internationally.
- Strong connections with overseas investors, especially from mainland China and greater Asia.



Richard Pritchard – Non Executive Director

- Honours Degree in Civil Engineering from the University of Brighton (UK).
- Strong connections with overseas investors, especially from mainland China and greater Asia.
- 25 years' experience in civil engineering and finance.



Chris Flanagan – Country Manager (Indonesia)

- Bachelor of Science in Mine Engineering from The Royal School of Mines in London.
- 30 years' experience in mining in South Africa, Ghana, the United Kingdom and Australia.
- He has spent the last seven years in Indonesia, where he has built considerable expertise in mining operations



Tam Tran – Senior Process Technologist

- Worked for BHP Research for seven years and was a key member of a team developing a process for producing battery-grade electrolytic manganese dioxide from Groote Eyland ore.
- Currently Professor at Centre for International Resources Development, Chonnam National University, Korea

Company Strategy



Jatenergy creates shareholder value through a strategy based on acquiring, developing and divesting assets.



Jatenergy acquires early stage energy projects, and invests into these projects from its own balance sheet and/or organises investment through external sources.



Once a project has been acquired, Jatenergy works to develop these projects and create increased value through exploration and project development.



After significantly increasing project value, Jatenergy joint ventures or sells projects to provide project returns for company shareholders.





Coal Projects

Coal Project Locations



Jatenergy owns the rights to five coal development projects in Kalimantan, Indonesia.



Figure 3 – Coal Project Location Map

The Indonesian Coal Market



- Indonesian coal is generally low in ash and sulphur but high in volatiles and moisture. Nearly 80% of production is rated as being sub-bituminous, having a niche position in domestic and international markets because of strong demand for environmentally friendly, low ash, sulphur and nitrogen thermal coal.
- The coal is commonly sold for blending with higher sulphur coal, enabling the lower quality product to meet emissions standards.
- Indonesia's coal mining sector has become one of the fastest growing industries in the country, recently overtaking Australia as the world's largest exporter of thermal coal. Exports have increased more six-fold from 31 million tonnes (Mt) in 1995 to 191Mt in 2009. Its main export markets are Japan, India, Korea, Taiwan and China.



Figure 5 – Indonesian Coal Barge.

Coal – Katingan (CSB Project)



Figure 6 – A 6+ metre seam at the Katingan CSB Project

- A single 5,000 hectare tenement located 160km northwest of the city of Palangkaraya in the South Kalimantan Province on the island of Borneo.
- Jatenergy acquired 80% of this project through the acquisition of Blackrock in 2011.
- After satisfying the conditions precedents, Jatenergy will have completed the sale of this project to PT Prakarsa Corporindo for US\$2 million with the final US\$1.8 million payment being received no later than the 17th of December 2013.

Coal - Jongkang Projects



- Currently in production and produced 30,000 tonnes over the past year.
- Located in East Kalimantan approximately 5km along an existing haul road from the Mahakam River and around 25kms from a major hub of Indonesia's coal industry in Samarinda.
- Each concession is covered by a production license comprising of 100 hectares.
- Transport infrastructure is capable of handling a maximum of 20,000 tonnes per month, subject to weather conditions.
- Jatenergy aims to operate the Jongkang projects at increased capacity upon receiving third party investment. The company is currently in discussion for alternative funding arrangements.
- Jatenergy has the rights to 30% of this project.



Figure 7 – Jongkang Project Map



Figure 8 – Stockpiled coal at the Jongkang project ready for export

Coal - Geronggang



- Consists of a 183 hectare property located within the Kotabaru rency in South Kalimantan.
- In November 2010, contractors conducted investigations of the tenements using power and Jackro rigs and outcrop mapping. The drilling to date totals around 360 metre, including 7.5 m of coring.
- In 2013 over 300m of drilling was carried out by Jatenergy and a detailed topographical survey undertaken in order to produce working mine plans.
- Cost of \$1.2 million to bring the mine into production.
- Similarly to Jongkang, the company is currently in discussions with a number of interested parties regarding external investment.
- The opportunity exists to increase production. Transport infrastructure is capable of handling a maximum of 20,000 tonnes per month, subject to weather conditions.
- Jatenergy has 100% rights to the project with 1/3 profit share.

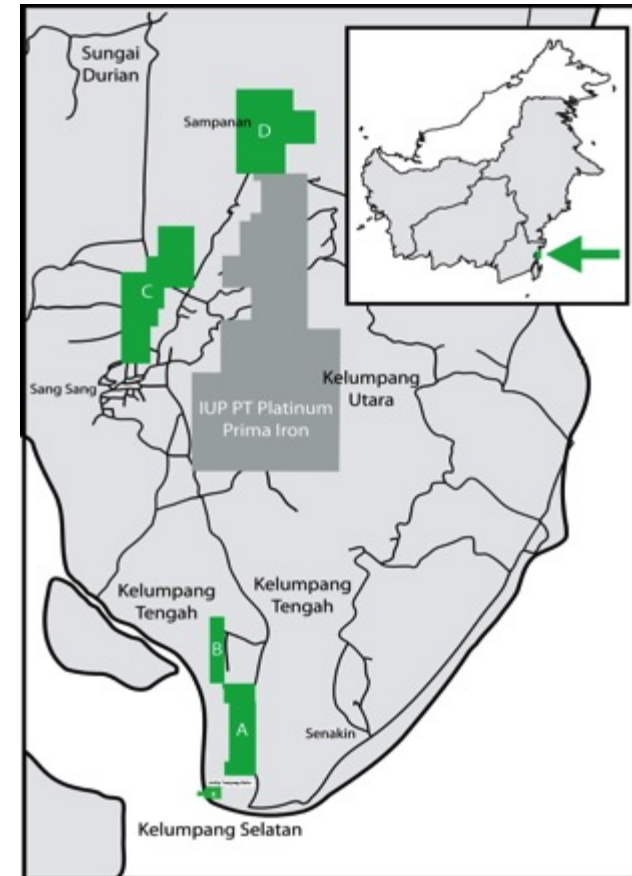


Figure 9 – Geronggang Project Map

Coal - Geronggang



- Existing infrastructure includes:
 - A hauling road and with the closest of two jetties 4-5kms away taking an 8,000 tonne barge.
 - A hauling road to another jetty facility at 7-8kms of which 2kms needs grading.
 - Hauling road to jetty BUMD taking 8000 tonnes barges at 7-8 kms of which 2kms needs grading.



Figure 10 – Transport road looking down towards the transport Jetty



Figure 11 – Transport Jetty to be used to Gerronggang Project

Coal - Atan Bara



- A small coal exploration project located in the North Panajam Pasir reGENCY of East Kalimantan, about two hours drive from Balikpapan.
- The concession is covered by a production license comprising 200 hectares.
- Drilling to date totals around 360 m.
- The main seams strike southwest to northeast with dipping in the range 15–23° to the southeast.
- Jatenergy has rights to 100% of this project with profit share of 1/3 with the owner.



Figure 12 – Atan Bara Cross Section

Coal - Subuku



- Sebuku island located in the southeast of Laut close to Kotabaru Kabupaten region, South Kalimantan.
- According to geological information in this island there are mineral deposits that have good economic value such as coal.
- There are several layers of coal at the site with seams ranging from 1.0 – 12.0 metres in thickness.
- Jatenergy has further geological studies planned to confirm these initial findings.

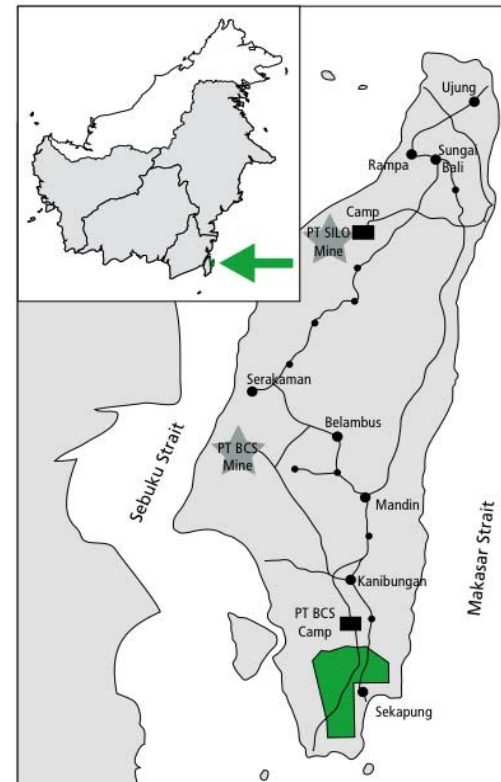


Figure 13 – Sebuku Project Map



Biofuel Project

The Jatropha Biofuel Market



- Jatropha is a perennial flowering tree, its seeds contain oil used in biofuel production.
 - A hardy drought resistant tree that grows in dry climates and produces seeds containing 27-40% oil.
 - In 2007 Goldman Sachs cited Jatropha as one of the best biodiesel production.
 - In 2010, global consumption of biofuels represented 3% of total fuel consumption.
 - Regarded as having one of the lowest carbon footprints and highest credentials as a true 2nd generation biofuel sources, Jatropha biofuel production is predicted to increase to 15.5 MT by 2015 (www.jatropha.org).
 - PT Jatoil Waterland continues to source other second generation biofuel feedstock such as Camelina on its own or as an intercrop between Jatropha trees.
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Biofuel Project Location



Jatenergy currently has the right to one Jatropha biofuels project in Indonesia.



Figure 16 – Biofuel Project Location Map

Biofuel – Jatoil



- Jatenergy has formed a joint venture with another established jatropha oil producing company, PT Waterland International, to develop biofuel farms in Indonesia.
- The companies established a company in Indonesia to pursue the venture, PT Jatoil Waterland, of which 70% is owned by Jatenergy.
- The joint venture company currently employs around 4,000 people which produced over 2,800 tonnes of Jatropha seed for the year 2012 alone.
- Jatenergy has fully paid for this project and currently bears no costs.
- Rights to the project are for 25, 5 +5 years which commenced in 2011.
- The company is currently exploring funding opportunities to significantly expand this project.



Figure 17 – Jatropha Biofuel Plantation



Technology

Coal Plus Technology



- Proprietary coal upgrading technology which converts low value brown coal into high value energy products.
- Unlike existing coal upgrade technologies which are mostly at pilot plant stage, Coal Plus Technology is proven.
- Jatenergy has the license for Coal Plus technology for Indonesia extending itself to South East Asia.
- Jatenergy looking to license technology, specifically in Indonesia on project by project basis.



Figure 18 & 19 - Existing Coal Plus Plant – Shaanxi, China

Inputs and Outputs



- For **Coal Plus** process, 1 t of coal requires about:
 - 0.5 t of water
 - 0.10 t of steam
 - 25 kWh of electricity

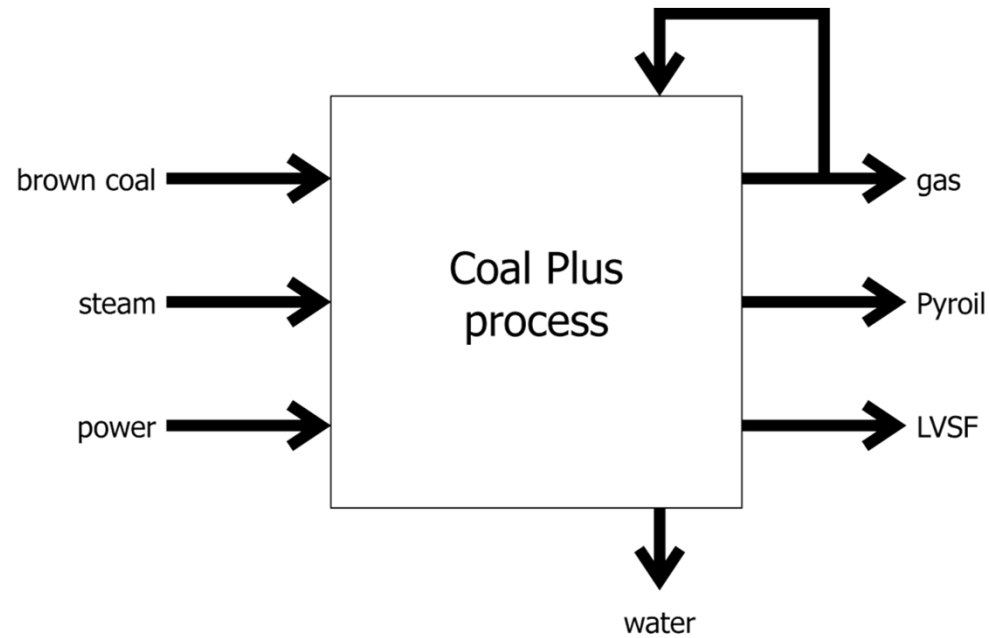


Figure 19 – Diagram showing Coal Plus conversion technology inputs and outputs

Financial Outputs



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- Financials depend on the project. The following is a guide for existing Fugu projects (Inner Mongolia).
 - Solid semi-coking coal
 - ~\$100/t.
 - Pyrolysis oil
 - ~\$450/t
 - can be sold directly in China
 - hydro-treating of pyrolysis oil to produce petroleum products is also possible.
 - Gas
 - Used on site or for electricity.
 - Or converted to other products
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Advantages of Coal Plus



- Highly efficient and cost-effective.
- Already in commercial use:
 - three commercial plants established;
 - more commercial plants planned or under construction.
- Produces multiple, high-value, finished products.
- Reduced CO₂ emissions (compared to direct burning for power generation).
- Ability to manipulate coal parameters from original state during processing.
- Plant size can be scaled to match size of coal reserve, level of production, available land, finance etc.



Figures 20 & 21 – Existing Coal Plus Plant – Inner Mongolia





E: info@jatenergy.com

P: 02 9571 8300