



Euro Pacific Investment Conference

June 2011

NASDAQ Listed: MNEL



**Mission NewEnergy Limited**  
One Mission : One Energy : NewEnergy

# Forward Looking Statement

This presentation includes forward-looking statements that are subject to many risks and uncertainties. These forward-looking statements, such as statements about Mission's short-term and long-term growth strategies, can sometimes be identified by use of terms such as "may", "will", "believes", "intend", "expect", "anticipates", "plan," "estimate", "project", "potential", "future," "strive," and similar words. These statements involve many risks and uncertainties, some of which are beyond Mission's control, that may cause actual results to differ from what may be expressed or implied in these statements. These risks are discussed in Mission's Securities and Exchange Commission filings and reports, including the risks identified under the section captioned "Risk Factors" in its final prospectus relating to its initial public offering filed on April 20, 2011 pursuant to Rule 424(b) under the Securities Act of 1933, with the Securities and Exchange Commission. Mission has based these forward-looking statements on its current views about future events and are not a guarantee of future performance. Mission disclaims any obligation to update information contained in these forward-looking statements whether as a result of new information, future events, or otherwise.



# Highlights

- 🌱 Multi-billion dollar global market for biofuels
- 🌱 Imminent long-term supply of low cost raw material
- 🌱 Ability to increase oil supply and lower cost
- 🌱 Expect to be profitable above US\$52 per barrel crude oil
- 🌱 Business underpinned by world class assets and management
- 🌱 Robust long-term growth in each major segment
  - plantation, refining, fertilizer



# Mission NewEnergy Limited

Creating the worlds largest integrated biofuels business

## Plantations

- Product: Crude Jatropha Oil, Seed Cake
- Existing markets: Aviation fuels, transport fuels, power oil
- Global markets

## Refining

- Product: Biodiesel
- Markets: Transportation fuels
- Mandated markets: Europe, USA, Malaysia

← “Soil to Oil” →



Maturing Jatropha Tree



Mission's Biodiesel Refinery

# Value Proposition

Jatropha – a long term solution for biofuels

## 01 Jatropha Operations ...concept proven; planted at scale

- Grows on marginal land
- Low cost commercially available biofuels solution
- Expect to be profitable above US\$52 per barrel crude oil
- Highly valuable fertilizer by-product
- Ability to continually expand and improve margins

## 02 Refining Operations ...low cost; immediate opportunities

- Established and at global scale
- Capture currently available spread and compliance premiums
- Palm switching to Jatropha

## 03 Integrated business ...control value chain

- Not reliant on subsidies or mandated markets
- Capture downstream and upstream margins
- Secures competitive advantage



# Jatropha a Non Edible Energy Crop

Securing non edible sustainable biofuels feedstock is key to future biofuels projects

...“there is a need to find alternative feedstock to reduce competition with food...It will be difficult to reach targets in Biodiesel, because the availability of feedstock is limited”. *Total*

...“Our analysis and 10 year experience of biofuels has led us to conclude that access to advantaged feedstock is the key to success”. *BP*



01 Collect seeds for nursery



02 Plant nursery



03 Produce saplings



04 Plant Saplings



05 Sapling growth



06 Tree bears fruit



07 Fruit has seeds



08 Seeds collected & crushed

# Jatropha Plantation Operation



- Large scale contract farming across India
- Productive acres 194,323
  - Cover 5 states, 51 districts and 15,300 villages

- Extensive field network
- >420 employees
  - >2,000 field representatives
  - >1,300 acres of captive nurseries for sapling production

- Rapid Progress....further growth planned
- First planting in 2008
  - 30% growth in CY2010

Products produced



Jatropha Bio-Fertilizer



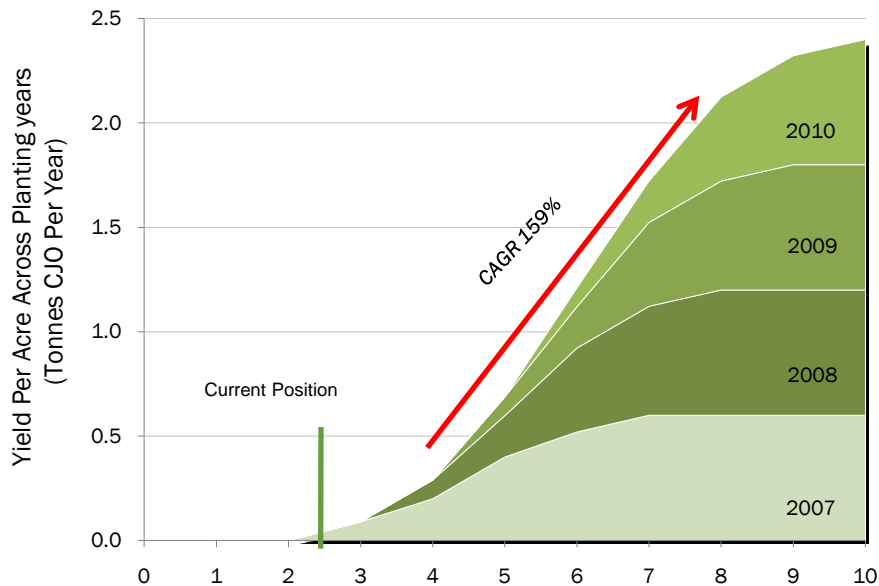
Crude Jatropha Oil

# Jatropha Harvest Expectations

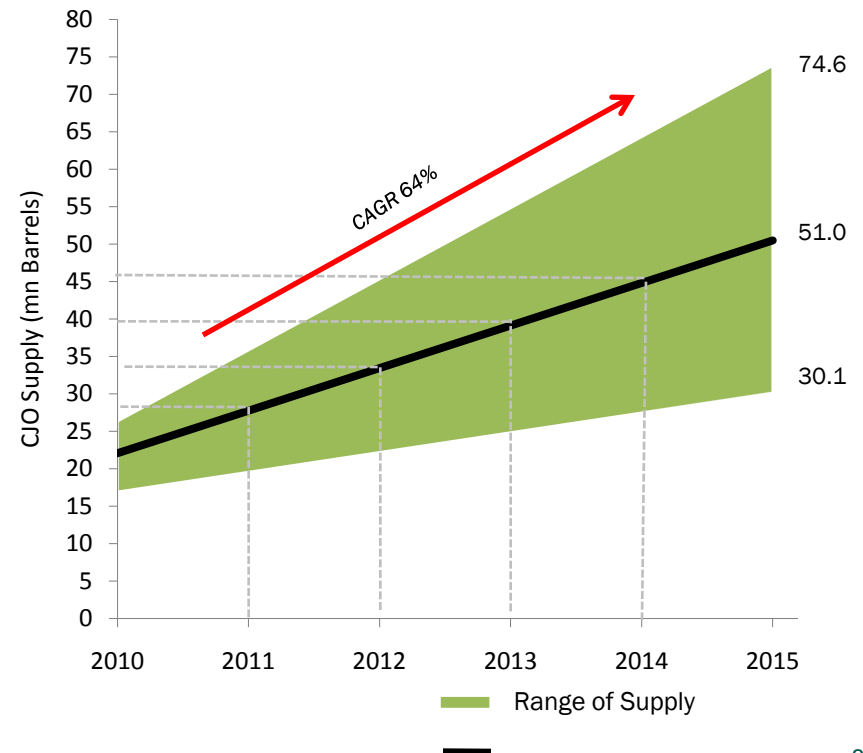
## First harvest achieved ...rapid yield growth expected

- Maturing profile of existing 194,323 Jatropha acreage
- Scalable, current acreage less than 0.5% of identified marginal land
- Building supply and increasing oil yield
- 7 years to full maturity

### Yield Ramp Up – Maturing Trees & Continued Planting



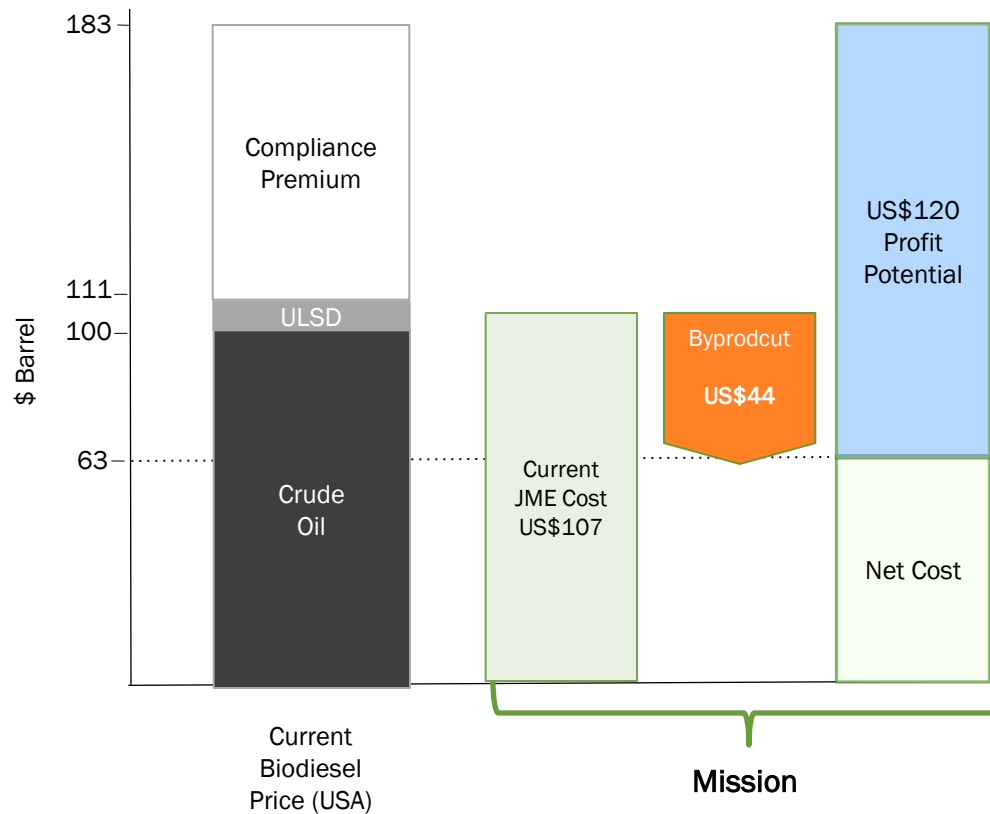
### Projected Lifetime Oil Supply (Millions barrels), growing with new acreage and yield enhancement



# Jatropha Economics

## Value

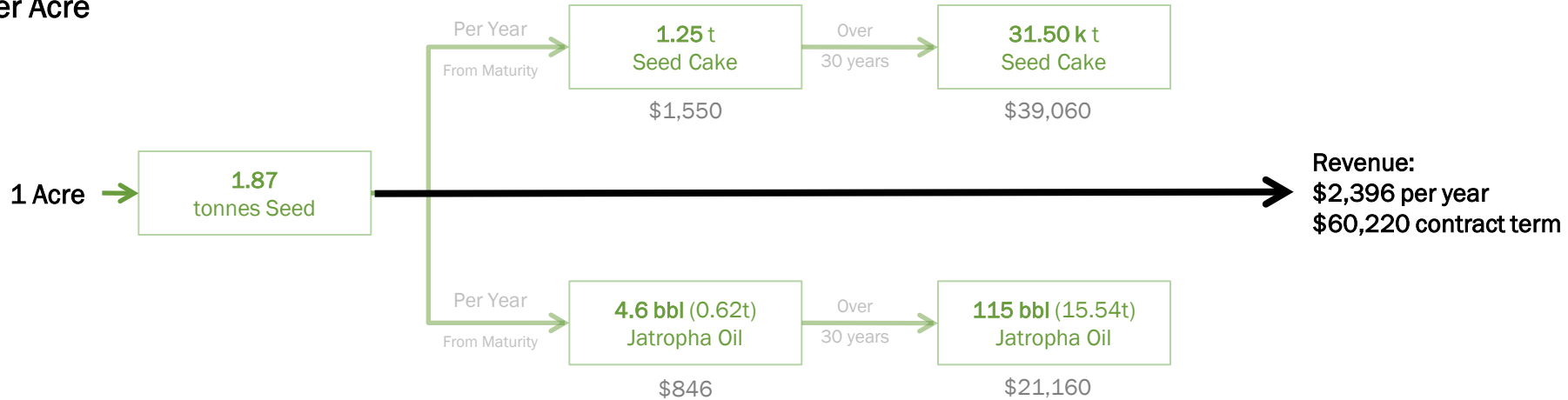
- Biodiesel currently sells for \$84 over crude oil price
- Further margin expansion from:
  - Lowering cost base
  - Increased revenue from seed cake by-product



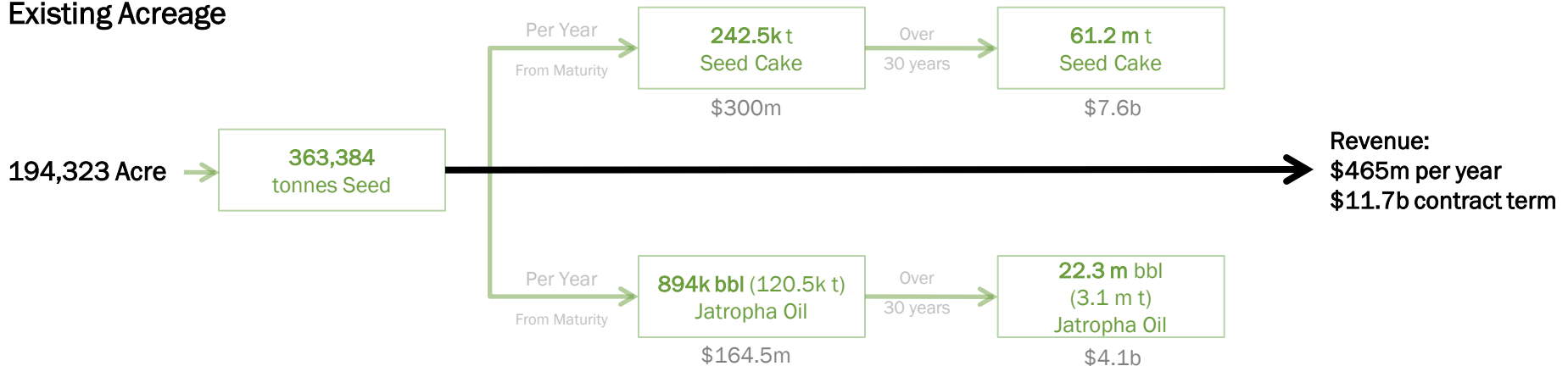
# Jatropha Math

(calculated at Mid range volumes and values)

## Per Acre



## Existing Acreage



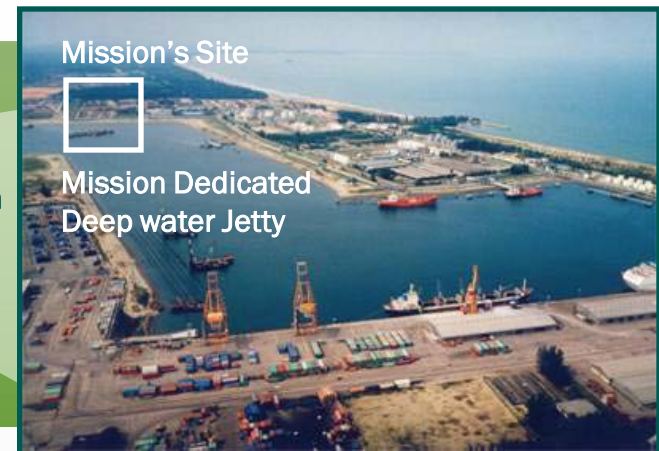
# Refining Operation

Global Scale Capacity..Portside Locations...Feedstock-Agnostic

- 350 thousand tonnes name plate capacity
- Pre-treatment and glycerine purification

## Kuantan Port, Malaysia

- Close to feedstock supplies
- Tariff-free trade to EU
- Cost-effective transport



Member of Roundtable on Sustainable Palm Oil (RSPO)



ISO 9001:2008 Compliant – highest commercial quality management certification

# European Market

## Contract executed in May under new regulation

- Mission to supply ISCC certified product
- Largest established mandated market
- Supply Certified product required as of 1 January 2011



1st biodiesel producer worldwide to receive ISCC Carbon Attestation



1st and still only non-German biodiesel to be certified to the BPAC – AGQM technical standard



Product is REACH certified - the European Community Regulation on chemicals and their safe use

# Malaysian Mandate

## Local market sales

- 5% blending mandate to be implemented from 1 June 2011
- Government funded infrastructure build out
- 200,000 tonnes per year increasing to 500,000 tonnes per year
- Only Malaysian Palm-based feedstock and Malaysian refiners allowed
- Mission is the largest refiner in Malaysia

## Malaysian 5% Blending Mandate State Roll Out



# US Market

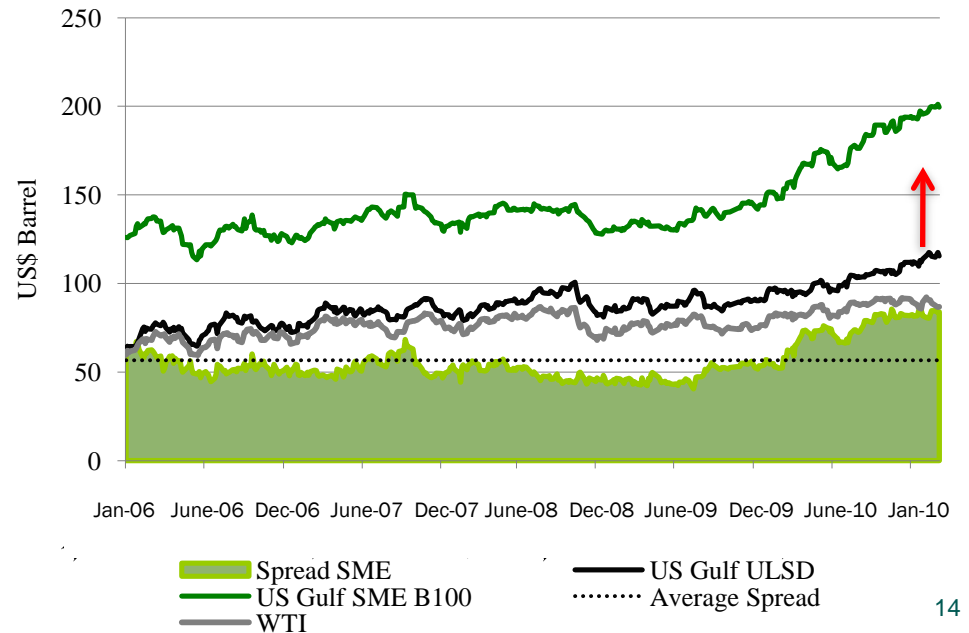
## United States Market

- Feedstock constrained
- Operating capacity constrained
- Results in Higher Compliance Cost = profitable short term opportunity
- Offtake agreement in the United States
- Europe Premium : Average, US\$45.56, current US\$69.05
- USA Premium: Average US\$56.56, current US\$83.95

### US RIN Values



### US Biodiesel Prices vs. Diesel



# Leadership Team



Mr. Dario Amara

Non-Executive Chairman

- John Holland, GRD Minproc, Austal, Emerson Stewart



Dato Zain Yusuf

Non-Executive Deputy Chairman

- Shell Group, Faber Group



Admiral (Ret'd) Tan Sri Anwar Mohd

Non-Executive Director

- Chief of Defense, Malaysia. Armed Forces Fund, Affin Bank, Boustead Plantations, BHP Petrol, Boustead Shipyard, Sime Darby



Mr. Arun Bhatnagar

Non-Executive Director

- Headed various Indian government Ministries, Minister of Economics, Secretary to National Advisory Council, Chairman Prasar Bharti ("BBC" of India)



Mr. Peter Torre

Non-Executive Director

- Hall Chadwick, Carbine Resources, Torre Corporate



Nathan Mahalingam

Managing Director & Founder (CEO)

- UMW, MBf Finance, Westport Malaysia



Guy Burnett

Finance Director (CFO)

- Umgeni Water, KPMG, Western Power



James Garton

Head Corporate Finance

- FBR Capital Markets, Jefferies / BBY



Major General (Ret'd) Douglas Pearson

Advisory Board - Chairman

- Air Force, Lockheed Martin



Mr. Roger Fizzell

Advisory Board

- American Airlines, Lucent Technologies, AT&T, Bell



Mr. Brian Tippins

Advisory Board

- HP, Intel, SureWest

# Capital Structure

## Capital Structure

Common Shares Outstanding (post)	8,512,179
Performance Rights & Warrants	158,810
Warrants Outstanding	3,072,324
Convertible Note	935,579
Subtotal	4,166,713
Fully Diluted	12,678,892

# Highlights

## Now

- Refining capacity built, plantations reaching maturity
- Sales into Europe with ISCC oil

## Expectations

- Sales into Malaysian mandate
- Grows on marginal land, anticipate adding 50,000+ acres per year
- Low cost commercially available biofuels solution
- Profitable above US\$52 per barrel crude oil
- Highly valuable fertilizer by-product
- Ability to continually expand and improve margin





**Mission NewEnergy Limited**  
One Mission : One Energy : NewEnergy

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Appendix



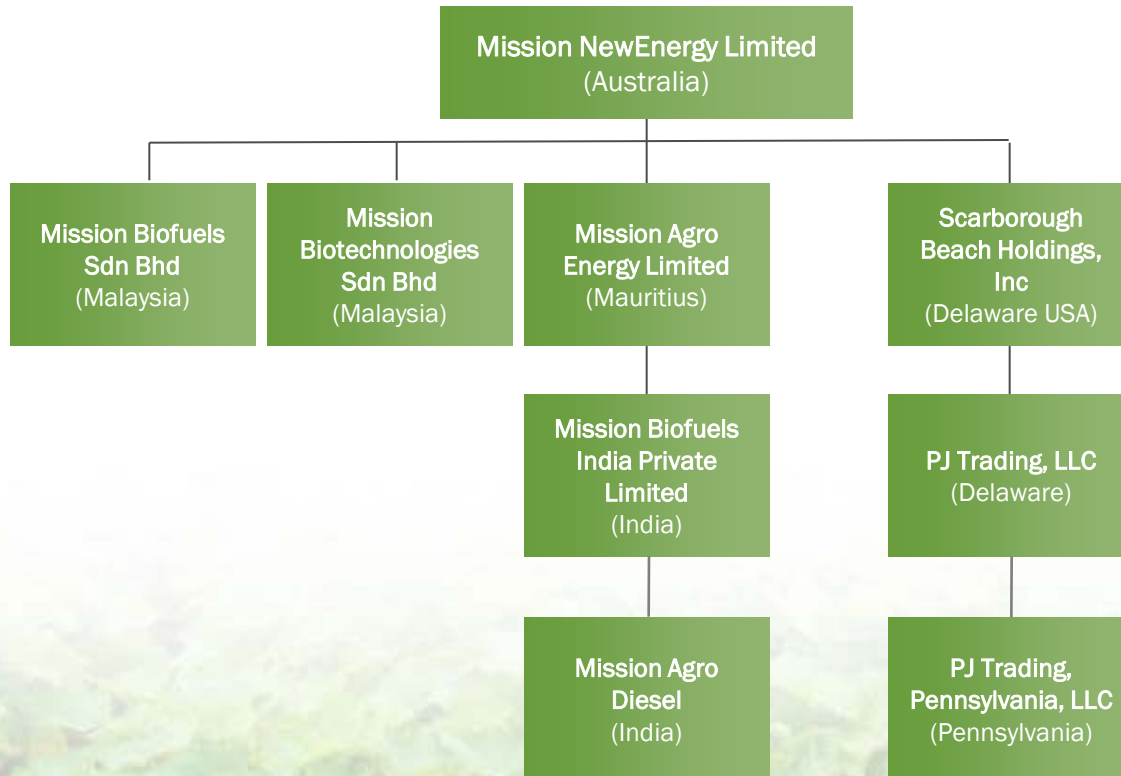
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# Historical Financials

(AUD million)

	FY'10	FY'09	FY'08
Total Revenue	16	55	30
COGS	-15	-46	-11
Gross Profit	1	9	19
Operating & Interest Expenses	-12	-15	-10
Operating Result	-11	-6	9
Non Cash write down	-82	-17	-5
Net Income	-93	-23	4

# Corporate Structure



# Mission Overview/Milestones

2006	2007	2008	2009	2010	2011 & beyond
<ul style="list-style-type: none"> <li>Listed ASX</li> </ul>	<ul style="list-style-type: none"> <li>100,000 tpa capacity</li> <li>First Planting</li> </ul>		<ul style="list-style-type: none"> <li>Scale planting</li> <li>Capacity utilization</li> <li>Valero deal</li> </ul>	<ul style="list-style-type: none"> <li>250,000 tpa Capacity</li> <li>First harvest</li> <li>Scale planting</li> </ul>	<ul style="list-style-type: none"> <li>Expect to Scale up plantation</li> <li>Anticipate moving downstream</li> </ul>



# Jatropha Harvest Expectations

## Rapid yield growth achievable

- Maturing profile of existing 194,232
- New planting, current acreage less than 0.5% of identified marginal land suitable for Jatropha

## Per Acre - Jatropha Yield Ramp

Year Following Planting	1	2	3	4	5	6	7 Onward
% of mature	0%	0%	13.5%	33.3%	50%	80.1%	100%
<b>Total Seed (tonnes pa)</b>	0	0	0.28	0.62	1.25	1.63	<b>1.87</b>
<b>Cake (tonnes pa)</b>	0	0	0.19	0.41	0.84	1.09	<b>1.25</b>
<b>Oil (tonnes pa)</b>	0	0	0.08	0.20	0.31	0.50	<b>0.62</b>

## Supply Profile – Existing Acreages

Supply over 30 years

Seed	Oil	Cake	Total Oil Supply (Millions Barrel)	Total Cake supply (Millions Tonne)
1.45	0.48	0.97	17.27	4.74
1.64	0.54	1.10	19.43	5.33
<b>1.87</b>	<b>0.62</b>	<b>1.25</b>	<b>22.31</b>	<b>6.12</b>
2.06	0.68	1.38	24.47	6.71
2.24	0.74	1.50	26.62	7.30

(Per Tonne per Acre)

## Supply Profile – Growth

50k acres pa | Supply over 30 years

Seed	Oil	Cake	Total Oil Supply (Millions Barrel)	Total Cake supply (Millions Tonne)
1.45	0.48	0.97	39.49	10.83
1.64	0.54	1.10	44.42	12.19
<b>1.87</b>	<b>0.62</b>	<b>1.25</b>	<b>51.00</b>	<b>13.99</b>
2.06	0.68	1.38	55.94	15.35
2.24	0.74	1.50	60.88	16.70

(Per Tonne per Acre)



Source: UN Report: Jatropha A Smallholder Bioenergy Crop

# Jatropha Front Running 2<sup>nd</sup> Generation Feedstock

## High Quality Feedstock

- Favourable chemical properties
- Multiple end market applications – transport, aviation, power oil

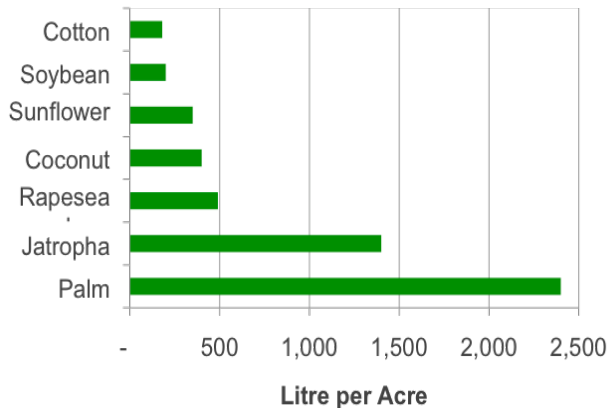
## Sustainably

- Grows in soil unsuitable for food crops
- Needs minimal water and fertilizer inputs
- Drought and flood resistant
- Energy dedicated

## Plantation type plant

- >30 years plant life
- No annual monsoon risk typical in food crops
- Oil yield from year 3 onwards, plant at maturity from 7 years

## Best balance of price, yield and impact

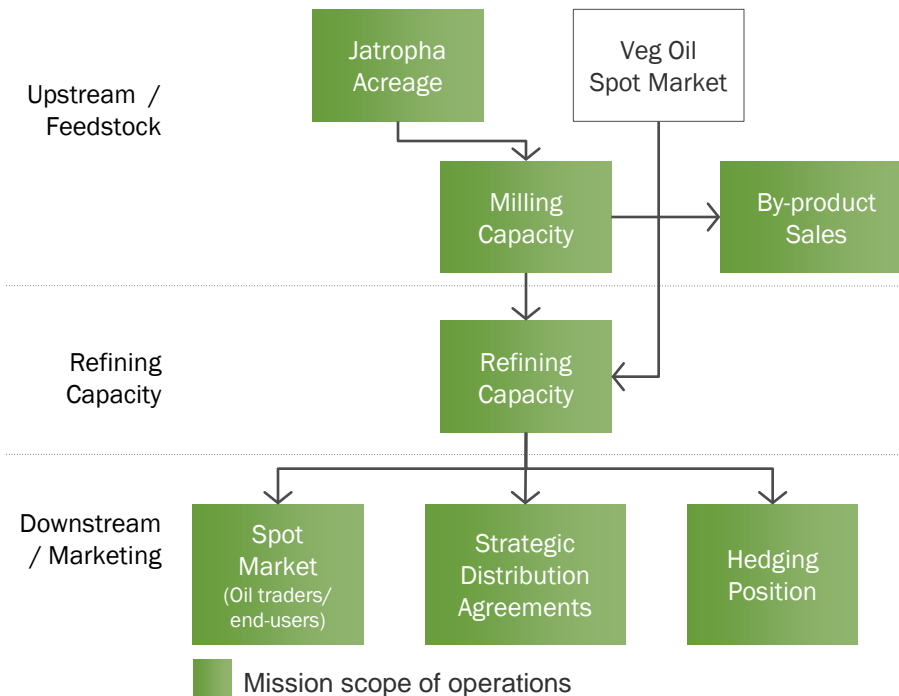


Source: Bloomberg, Biodiesel Global Outlook 2020

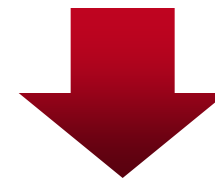
Numerous Airline Companies have publically announced Jatropha testing:

# Mission Business Model

## Biodiesel Value Chain – Mission Fully Integrated



## Core Business Strategy – Low Cost Strategy



### Reduce input costs

- Phase 1: Use lowest cost feedstock
- Phase 2: Switch to Jatropha



### Increase by-product realization

- Phase 1: Refining by-products
- Phase 2: Jatropha by-products
- Phase 3: Logistic & terminal operation



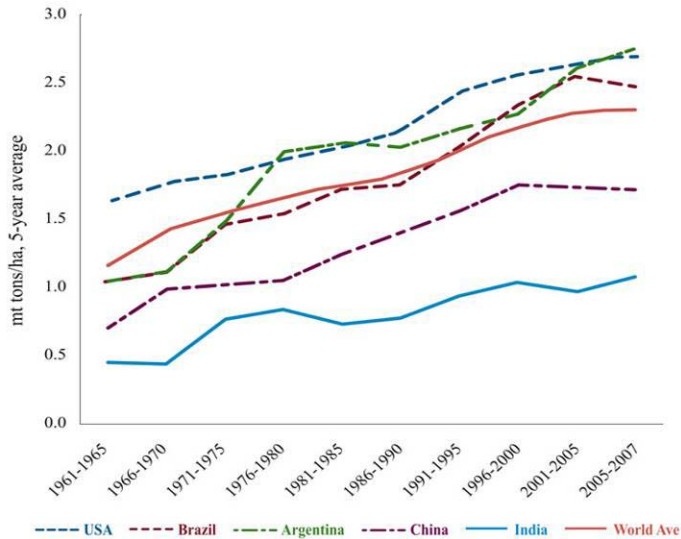
### Mission's Goal

- Achieve “zero” cost of feedstock oil
- No reliance on subsidies
- Ability to compete with mineral diesel on price

# Jatropha Yield Potential

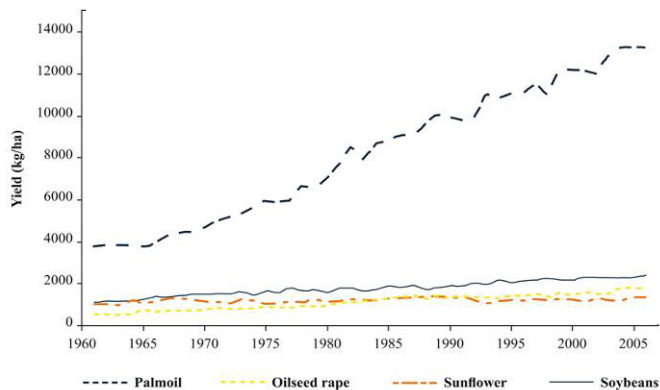
We expect that Jatropha yield with increase in line with other crop advancements

## Soybean Yield Advances



Source: International Food & Agri Business Management Association (2009)

## Palm Oil Yield Advances



Source: The Gallagher Biofuels Review (2008)

## Stage 1. Active Managed: Contract Farming

- Contract farming:
  - Rapid scale up, no direct future CAPEX required
  - Minimizes yield risk
  - Shared leanings – improved future productivity
- “Active” contract farming managed with systems and performance based compensation has tremendous leverage
  - Land, labour, capital and technology
- The power is in the network not the contract farming agreement
  - Market linkage
  - Scalability

## Stage 2. Improved Genetics: Owned & Operated

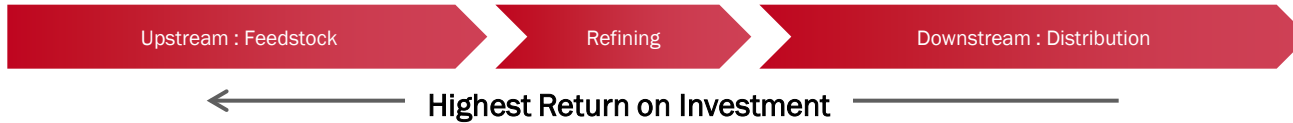
- Power of genetics proven in other Agricultural crops
  - Palm: from 4-12 tonnes per hectare
  - Soybean: from 1.2 – 2.3 tonnes per hectare
- Genetics is ultimately the largest driver of yields
  - Collaboration with JOil & TERI



Domesticating Jatropha to a commercial crop

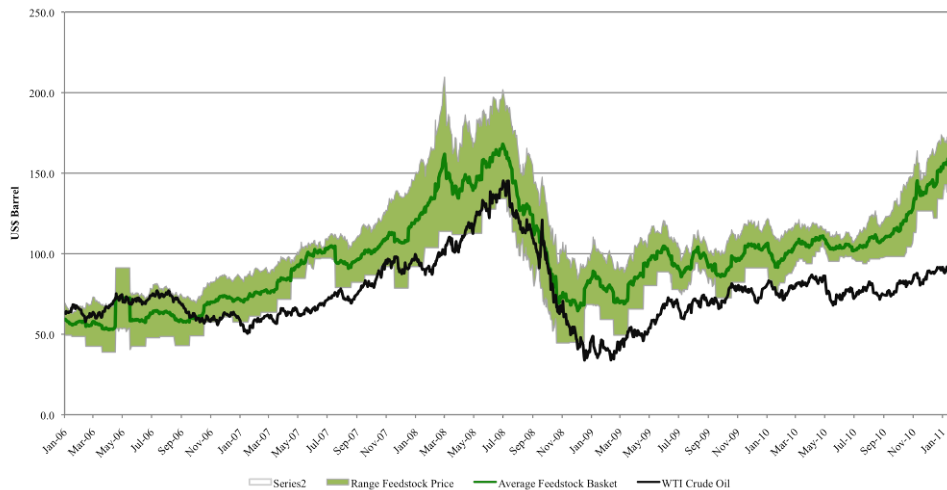
# Focused on Feedstock

Bulk of the value in biofuels industry goes to feedstock provider

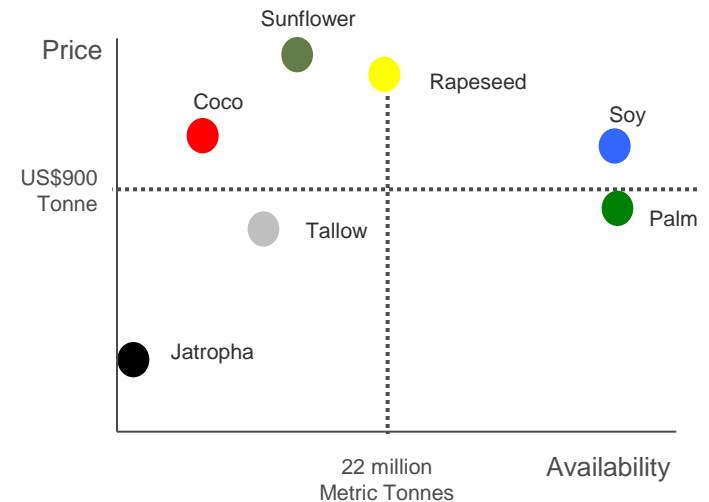


Advantage to feedstock supplier is increasing

- Global shortage of feedstock is now pushing up feedstock value
- Feedstock (vegetable oil, tallow etc) correlated with crude oil



Source: Company compiled data



Source: Company compiled data

# Conversion Factors

## Exchange Rates

		USD	AUD	INR	MYR
1.00	<b>USD</b>	<b>1.00</b>	<b>0.96</b>	<b>44.44</b>	<b>3.02</b>
	AUD	1.04	1.00	46.16	3.14
	INR	0.02	0.02	1.00	0.07
	MYR	0.33	0.32	14.71	1.00

## Commercial Metrics

- 1 Acre Jatropha plantation yields at maturity :
- 1 Tonne Crude Jatropha Oil : 1 Tonne Biodiesel
  - 2 Tonne Biomass : 0.89 Tonne Ethanol

1 Hectare : 2.47 Acres

## Quantities – Biodiesel

		Tonne	Gallon	Liter	Barrel
1.00	<b>Tonne</b>	<b>1</b>	<b>298</b>	<b>1,135</b>	<b>7.4</b>
	Gallon	0.003	1	3.8	0.023
	Liter	0.006	0.26	1	0.006
	Barrel	0.140	42	158	1

Source: Exchange Rate as at noon 1 April 2011

