



# Cougar Energy Limited

## New Energy for Asia.



Extraordinary General Meeting  
3 April 2012  
Melbourne



# Address to the Extraordinary General Meeting

Mr Malcolm McAully  
Chairman

## Update on legal matters

## Legal matters update

### Complaint and Summons

#### Kingaroy Magistrates Court

- Issued in July 2011
- Adjourned to 24 May 2012
- Number of preparatory steps to be completed prior to any hearing

## Legal matters update

### Appeal against closure of Kingaroy site

#### Planning and Environment Court, Queensland

- Grounds of appeal (CXY) and Points in response (DERM) exchanged
- Directions hearing in Court 13 April 2012 to determine timetable up to appeal hearing

### Writ for damages against the State and DERM officials

#### Supreme Court, Queensland

- Working through legal steps in preparation for trial
- Both parties collating documentary evidence – phase of Discovery
- Subject to court availability, hearing estimated to take place later this year

# Address to the Extraordinary General Meeting

Dr Len Walker  
Managing Director

New Energy for Asia.

## Corporate mission and strategy in Asia

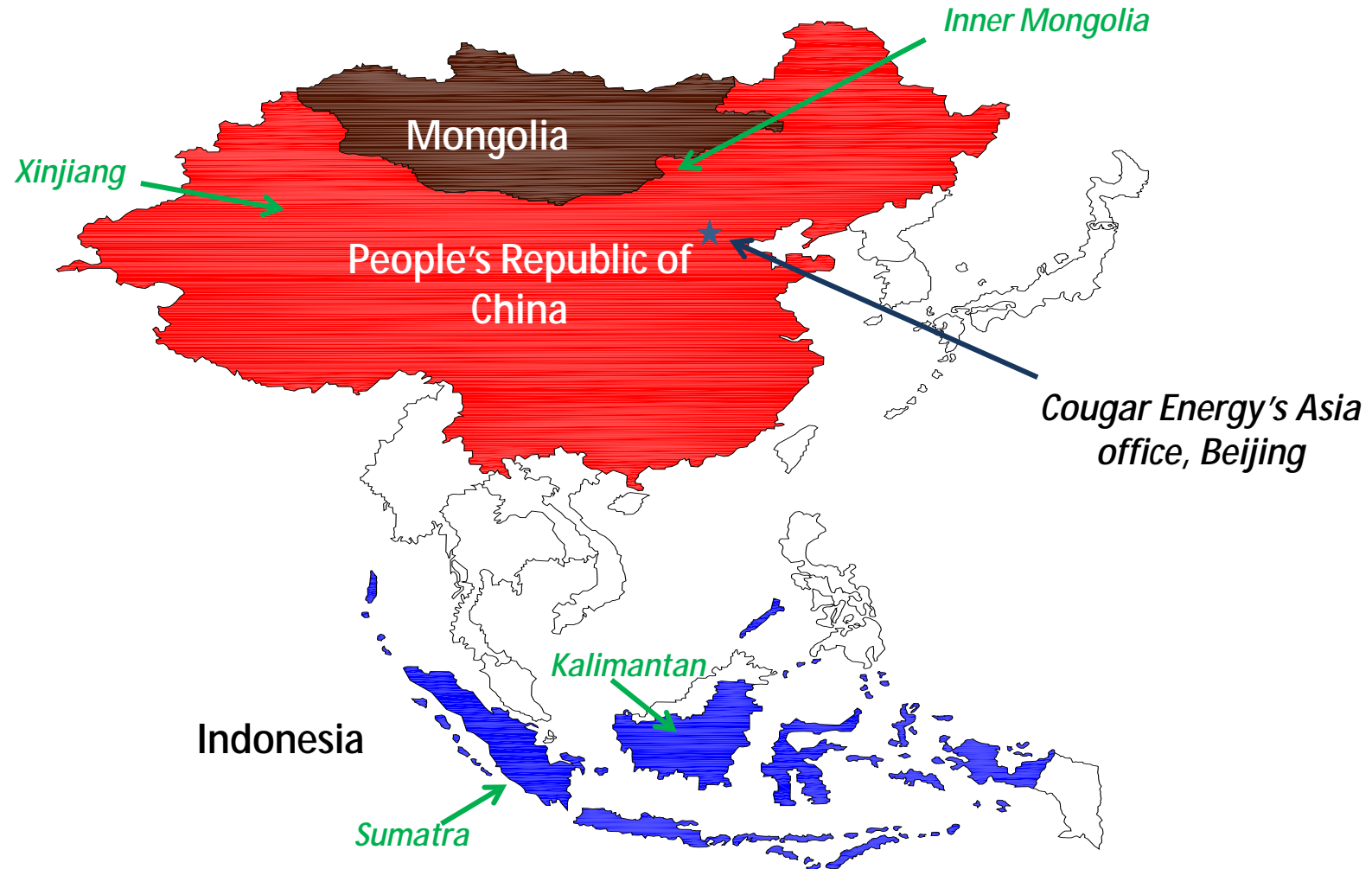
### Corporate mission

- World's leading UCG company in Asia
- Establish UCG as genuine alternative energy source in Asia
- Utilise the leading internationally proven commercial UCG technology
- Work with governments to establish regulatory regimes
- Provide environmentally friendly operating solutions
- Develop multiple end uses of syngas: electricity, synthetic natural gas, fertilisers, diesel fuels

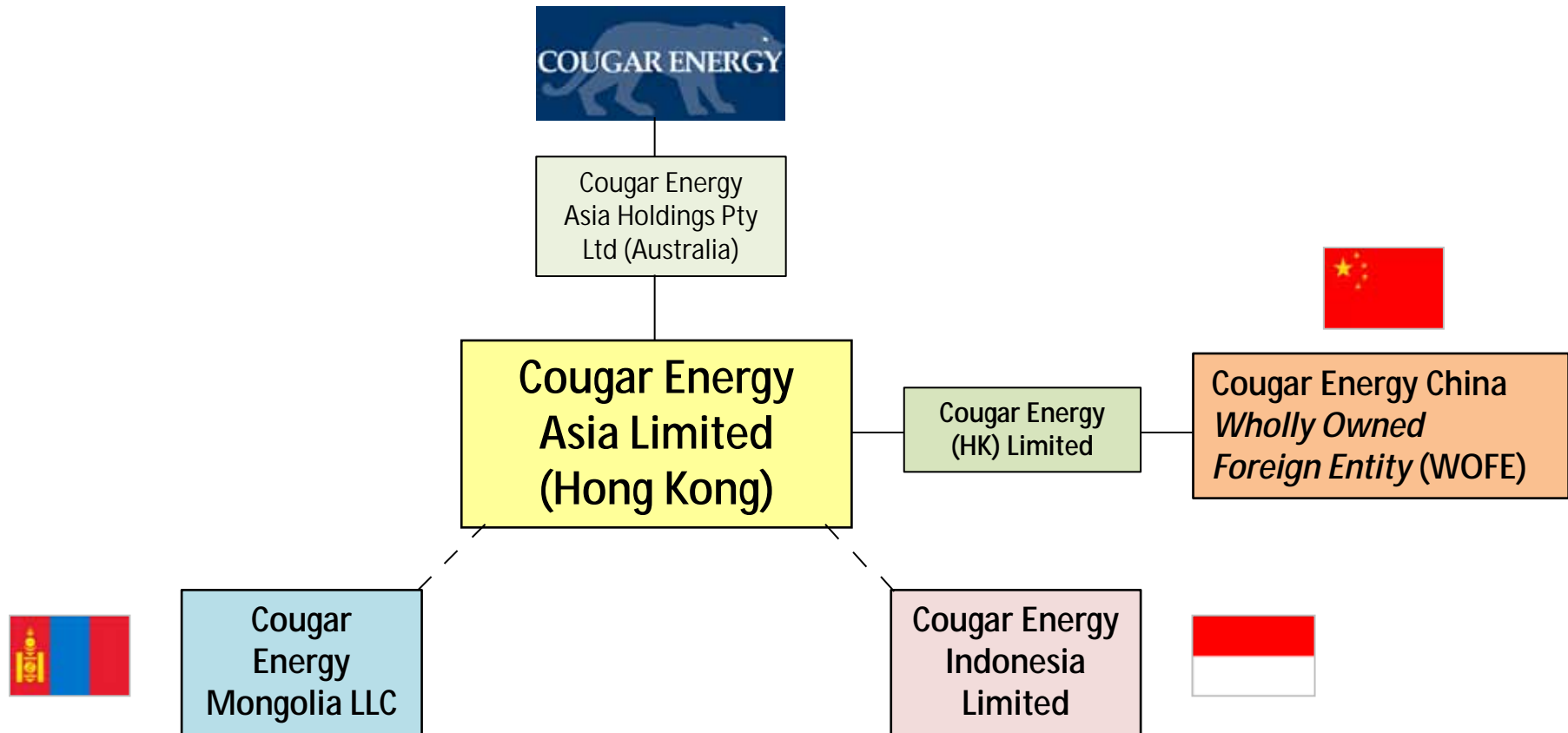
### Corporate strategy

- Develop UCG projects in the People's Republic of China, Mongolia and Indonesia
- Leverage in-house project design and development experience
- Establish Asian corporate structure and offices
- Source funding for Asian structure





## Introducing Cougar Energy's Asian corporate structure \*



\* Registration and incorporation at various stages of completion



## UCG syngas for a clean energy future in Asia

### Alignment with clean energy policies of governments in target countries

- New policies being implemented to lower energy production environmental impacts
- Building platforms in energy security – replace conventional coal with gas
- Seeking alternative downstream uses for coal

### Meeting future Asian energy demand

- Increasing demand offers significant opportunities
- UCG offers downstream optimisation of coal resources which are otherwise uneconomic
- UCG is a flexible, cost competitive fuel source for power generation or as a chemical feedstock

### Cougar Energy Asia – first mover advantage to unlock the value of stranded coal

- UCG reduces environmental impact – limited ground disturbance
- Lower atmospheric emissions from resource extraction and processing

## Leading the development of projects in Asia



### Medco Energi

- Memorandum of Understanding signed in November 2011
- Medco Energi is one of Indonesia's largest energy companies
- Joint project development focusing on UCG to power generation
- Build 30 MW local power generation hubs – expand to larger scale later



### Mongolia

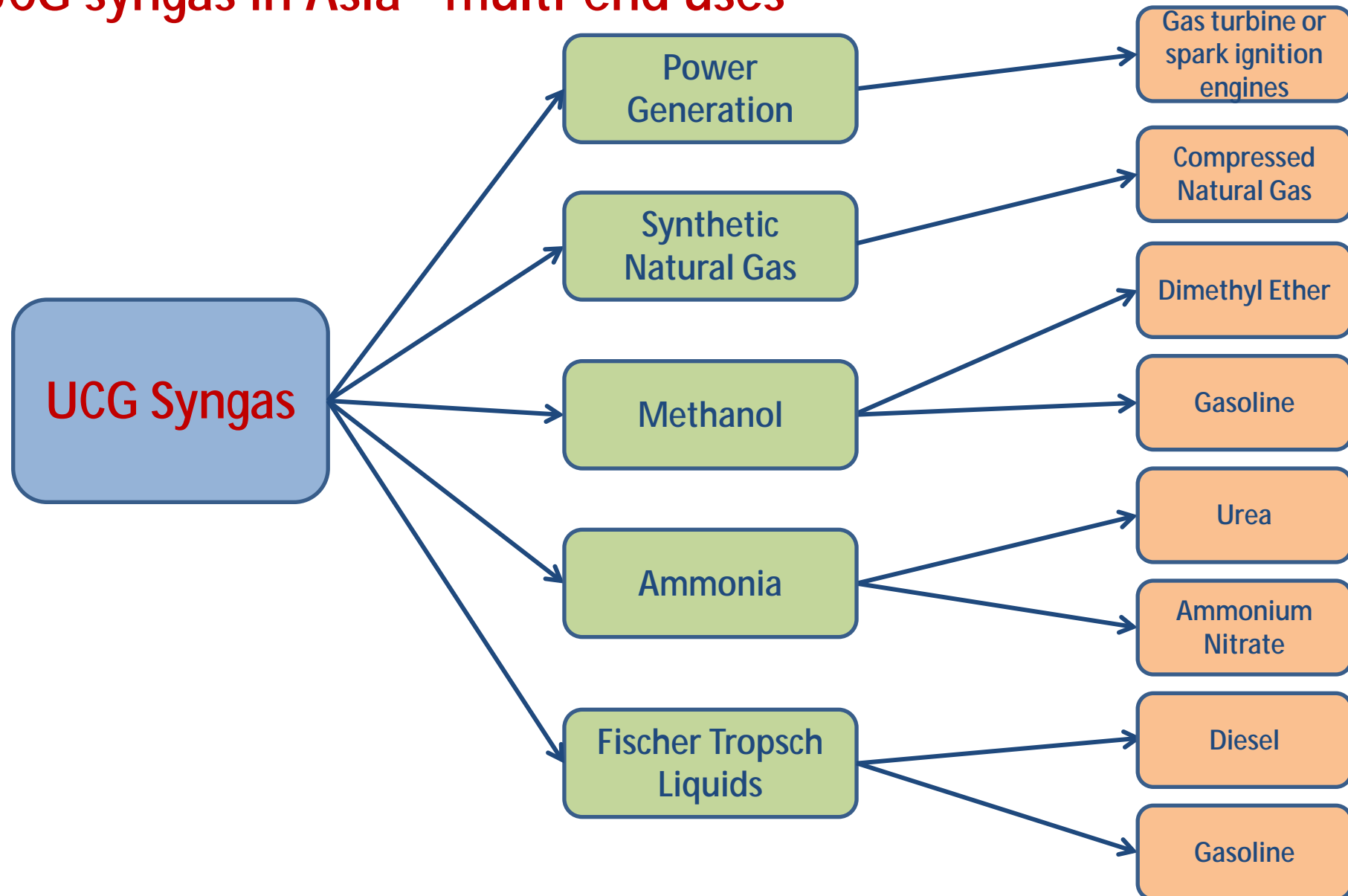
- Discussions continue with Government Petroleum and Minerals Departments on introducing UCG
- Coal tenements being evaluated for suitable UCG to power and other end uses



### China – Inner Mongolia Autonomous Region

- WuNiTe project – local partner negotiating access to coal resources
- Permitting stage in progress – PFS submitted and EIA in preparation
- Goal to develop minimum 200 MW power generation plants

## UCG syngas in Asia - multi-end uses



## UCG syngas in Asia – cost competitive

45-65% more cost competitive than surface gasification plants with high margins

Product	Unit	Cost to Produce <sup>(1)</sup>	China Market Price (4 <sup>th</sup> Qtr 2011)
SNG	GJ	<b>\$3.06</b>	\$5.0 to pipeline
METHANOL	Tonne	<b>\$88.00</b>	\$450.00
GASOLINE	Litre	<b>\$0.24</b>	\$1.20
UREA	Tonne	<b>\$132.00</b>	\$300.00
DIESEL	Litre	<b>\$0.33</b>	\$1.20

- (1) M.S.Blinderman et al (2011) Gasification Technologies Council Conference , October 2011, San Francisco, USA
- (2) Reference rates obtained by Cougar Energy Beijing Office from local Chinese data bases and Zhengzhou Commodity Exchange

## Cougar Energy Asia – the leader in UCG development in Asia



1. Fastest growth platform for UCG clean energy solutions
2. First mover advantage
3. Strong government and local partner support
4. Using the world's leading commercialised UCG technology
5. Multi-country, multi-project (large and small) focus
6. Significant production cost advantages
7. Accelerated project investment paybacks
8. Utilising in-house project design and development expertise
9. Asia corporate structure in place



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