

# DART ENERGY

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# DART ENERGY

## INVESTMENT HIGHLIGHTS

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### **Dart Energy begins from a position of strength already larger than Arrow Energy in early 2007**

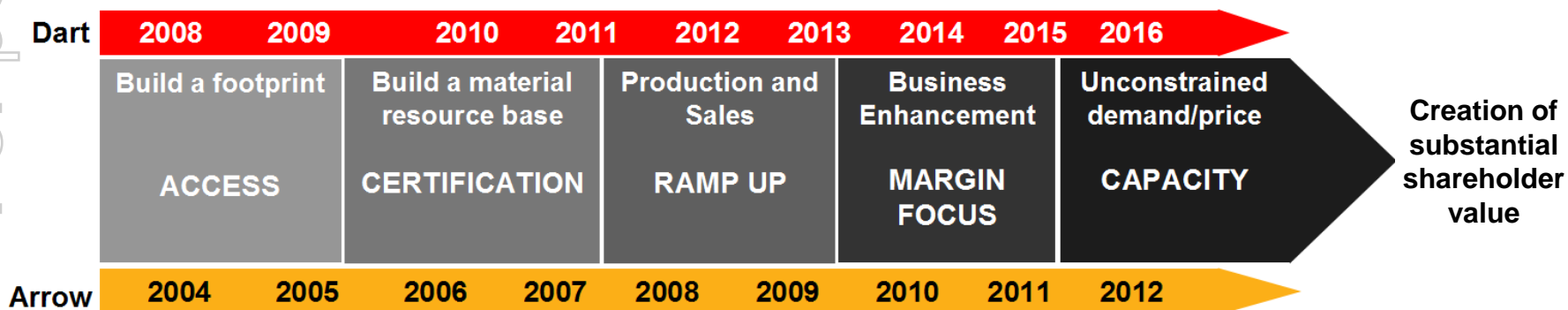
- A fully independent, global energy company listed on the ASX
  - Existing culture, processes, knowledge base, retained IP and experience
- High quality portfolio covering large acreage with business development pipeline
- Assets located close to high value gas markets and infrastructure
  - Strong upside in each market in terms of growth, pricing and scale resource potential
- Strong partners, partnerships and in-country relationships
- Management with proven track record in performance management and delivering value from coal bed methane
  - Executive and local leadership

# DART ENERGY – VISION, PURPOSE, STRATEGY

A GLOBAL, COMMERCIALY FOCUSED, RESPONSIBLE BUSINESS

## To be the leading global coal bed methane company

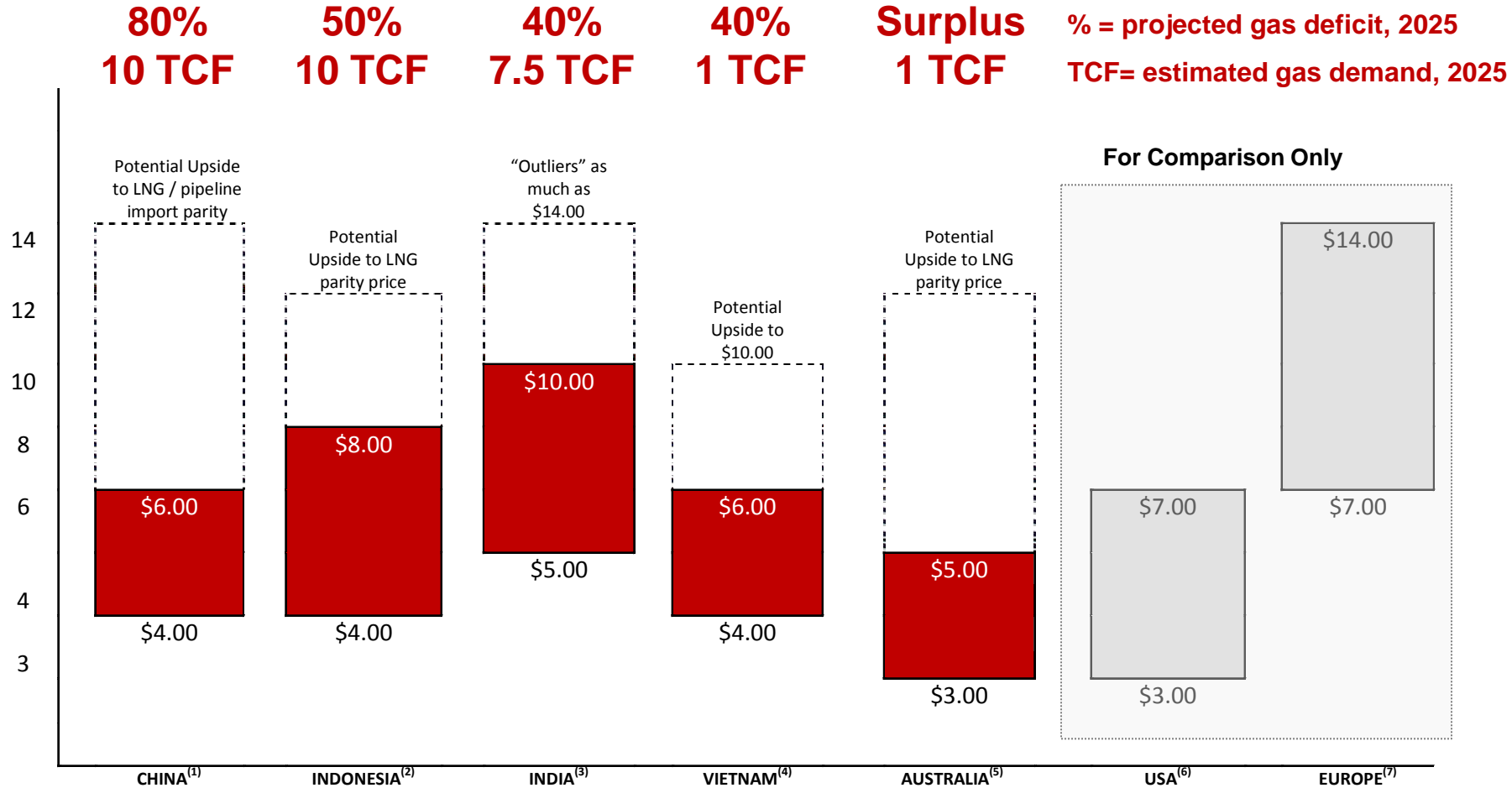
- Create value for shareholders and key stakeholders by applying our experience and skills to discover, define and develop unconventional gas resources capable of rapid commercialisation
- Establish presence in high growth markets before competitors and create multiple monetisation options – both technical and commercial
- Lead the industry sector in terms of safety and environmental care, innovation, operational and commercial excellence and profitability
- Make a difference for host countries by providing cleaner, safer, more cost-effective energy solutions



# DART ENERGY

## MARKETS DRIVE OPPORTUNITY - PRICING AND DEMAND

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**Sources:**

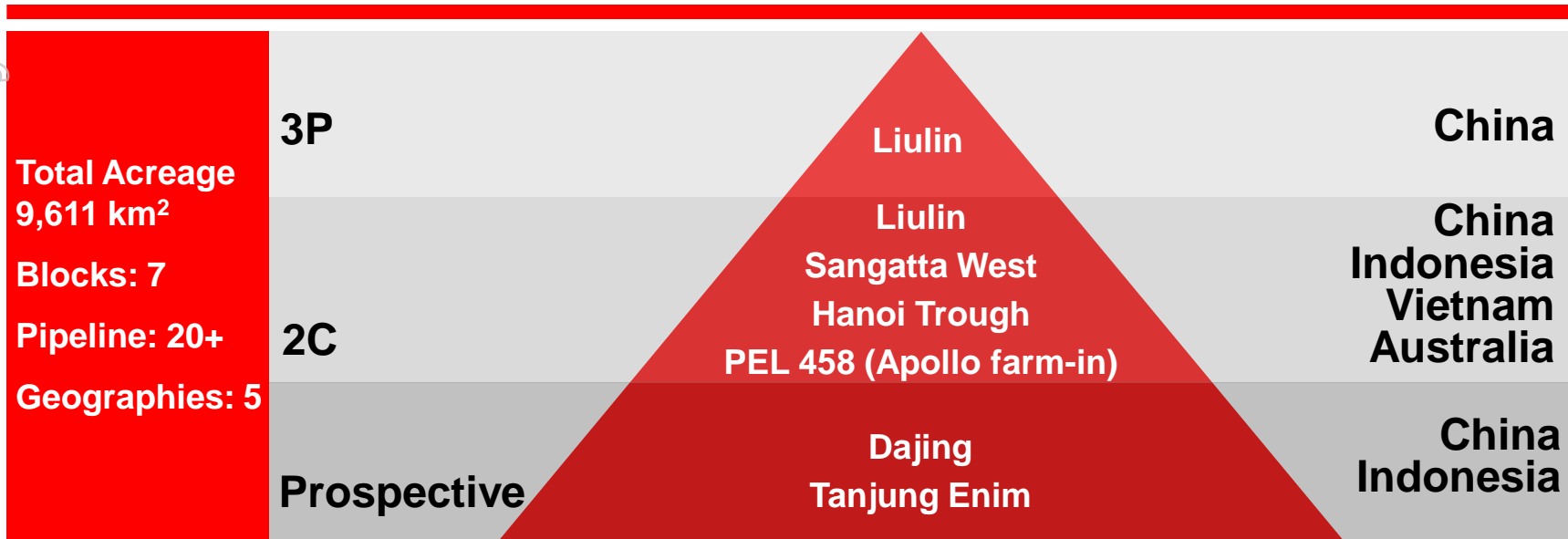
1. China CBM Study, Final Report, January 2009; South Shanxi Market Study, Final Report, September 2009; Commercial Assessment – Liulin Block, December 2009; all Datafusions Associates Singapore; research studies commissioned by Dart  
 2. Indonesia Gas Netbacks; Datafusions Associates Singapore; April 2010; research study commissioned by Dart  
 3. Scenario for Natural Gas Demand-Supply and Pricing for select CBM and CMM Blocks; Feedback Ventures; April 2010; research study commissioned by Dart  
 4. Energy Sector Situation in Vietnam, Institute of Energy Economics, May 2009; Vietnam Oil & Gas Report, BMI, 2010; PetroVietnam

5. Australian Energy Resource Assessment, Australian Government – Geoscience Australia; March 2010  
 6. Annual Energy Outlook 2010, US Energy Information Administration, May 2010; World Bank Commodity Price Data  
 7. World Energy Outlook, International Energy Agency; November 2009; World Bank Commodity Price Data

# DART ENERGY

## TARGETS - DELIVERY ASSURANCE

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<b>Other Assets</b>	India CBM III blocks PEL 464 , NSW, Australia Far East Energy, China	Apollo Energy – 21% Bow Energy – 1.4% LNG Limited – 7.5%
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<b>Business Development</b>	<u>China:</u> New PSC FEEC assets NOC Framework Agreement CMM Liulin equity increase	<u>Indonesia:</u> Adaro PSCs (x2) Kebur PSC HoA Salamander HoA MedCo Various other HoA / JEs	<u>India:</u> CBM-IV (x2) CMM (x3) ONGC farm-ins	<u>Australia:</u> Additional tenements
			<u>Vietnam:</u> Incremental PSC	<u>New Geographies:</u> Additional tenements

# DART ENERGY – FOCUS ON COST AND EFFICIENCY

## DRIVES PACE OF RESOURCE DEVELOPMENT AND MARGINS



**Typical Dart wellhead**

- Fully automated pump and reservoir control
- Optimises production; reduces field maintenance

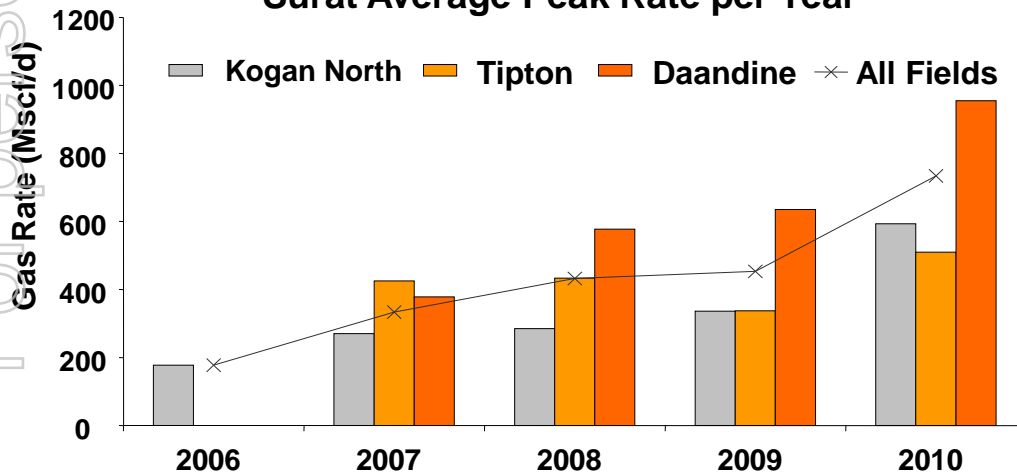


**Typical Dart CBM rig**

- Conventional mineral rig - 3 crew
- Truck mounted – fast mobilisation
- In-seam steering technology

- ✓ **CBM business is a margin business**
- ✓ **Experience: 200 surface to in-seam wells 600 CBM wells**
- ✓ **Inherited culture of low cost operation and an efficiency focus**
- ✓ **Low cost exploration drives pace of resource development**
- ✓ **Innovation in development options will commercialise smaller volumes**
- ✓ **Continued technology focus and attention to detail will increase productivity and guarantee margins**

**Surat Average Peak Rate per Year**



# DART ENERGY

## CLEAR COMMERCIAL TARGETS

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- **First reserves certifications during 2010**
- **Targeting 125/500 PJ of 2P/3P net reserves by end 2011**
- **Achievement of commercial production rates during 2011**
- **Gas sales commencing by end 2012**
- **Target of 50 PJ per annum net production by 2015**

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# AUSTRALIAN ASSETS

GOING AGAIN – GROW FAST; GROW BIG



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## RESOURCE (BCF, gross, per NSAI)

- ✓ PEL458: OGIP 1,324; 2C 542
- ✓ PEL464: Work in progress

## PARTNERS



## PROGRAM

- ✓ PEL 458 3 core holes completed, 2 strat wells remain
- ✓ PEL 464 seismic and 2 strat wells
- ✓ Portfolio options

## PIPELINE

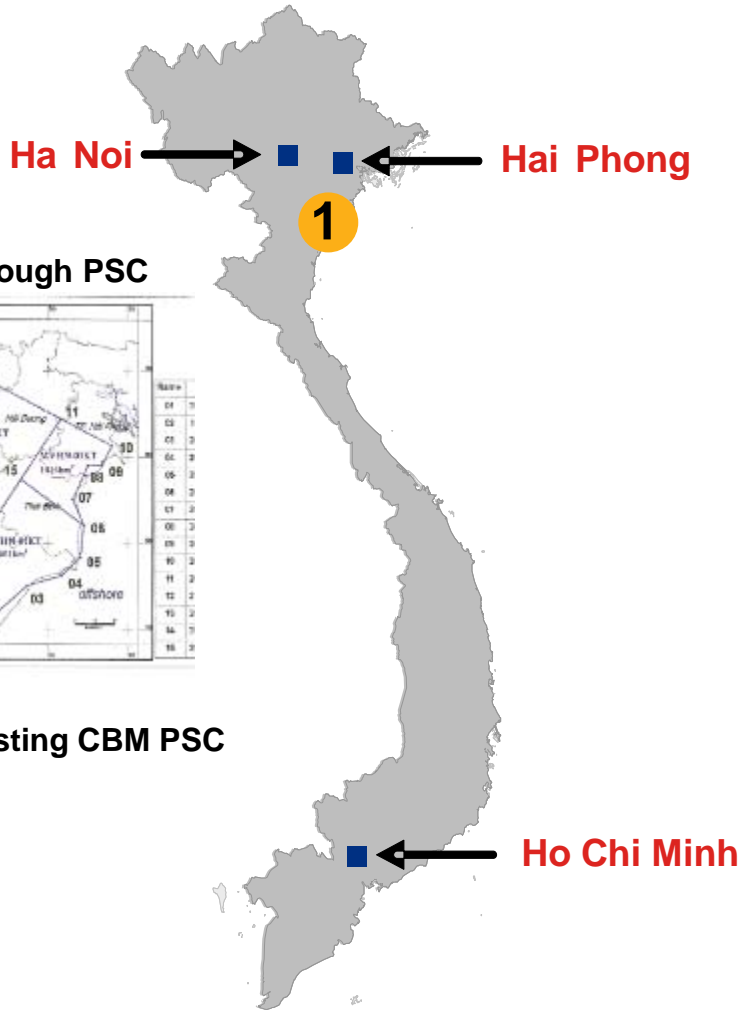
- ✓ Additional tenements

**1** Farm-in rights being exercised



# VIETNAM ASSET

## NICHE PRODUCTION POTENTIAL



### RESOURCE (BCF, gross, per NSAI)

✓ OGIP 796; 2C 252

### PARTNER



### PROGRAM

- ✓ 8 well obligation discharged
- ✓ 2 wells deepened
- ✓ Determine way forward

### PIPELINE

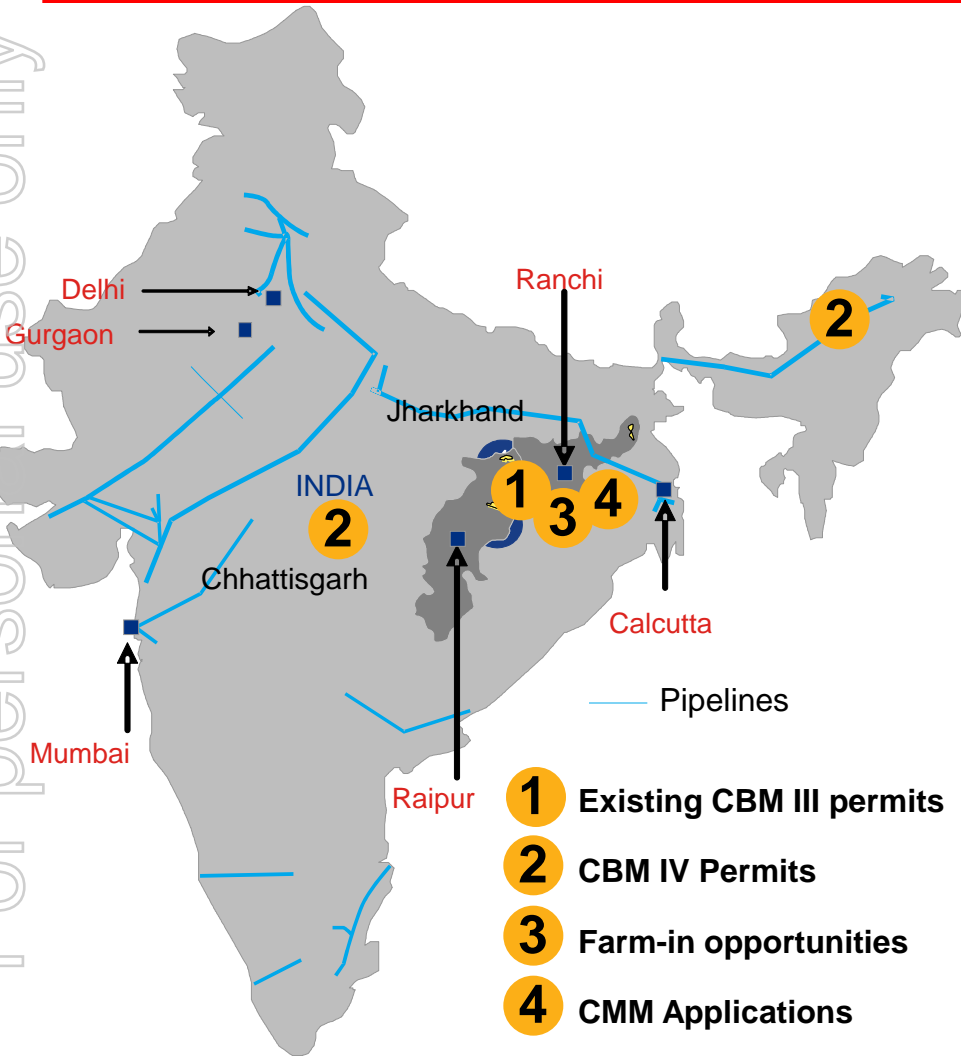
- ✓ Incremental PSC

# INDIA ASSETS

## CONTINUED ASSESSMENT OF OPPORTUNITIES



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### PROGRAM

- ✓ 6 CBM III wells completed
- ✓ Commencing 5 well TR block program

### PARTNERS



### PIPELINE

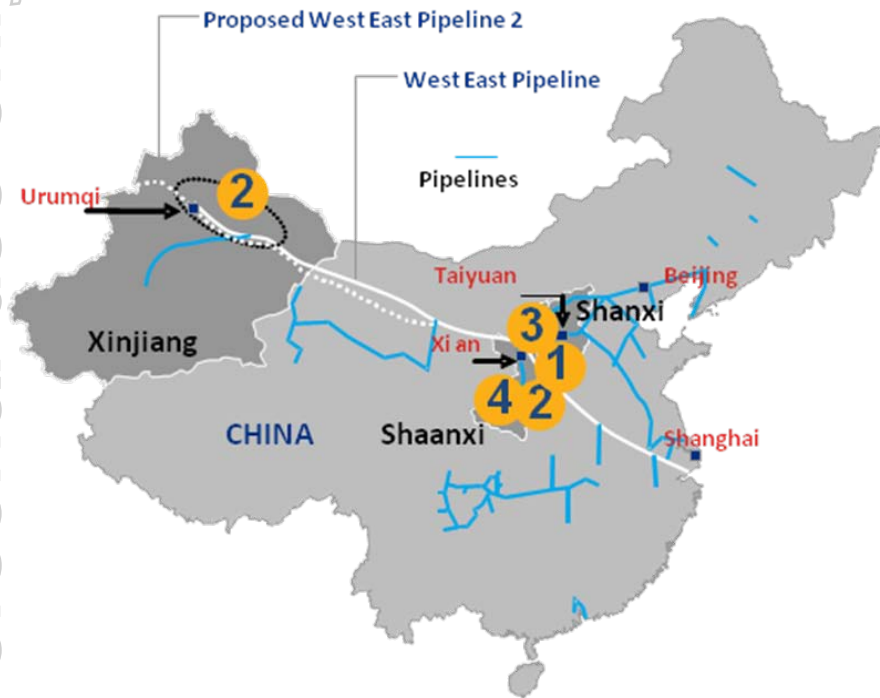
- ✓ CBM IV (x2)
- ✓ CMM (x3)
- ✓ ONGC farm-ins

# CHINA ASSETS

## ELEPHANT HUNTING



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### RESOURCE (BCF, gross, per NSAI)

- ✓ Liulin: OGIP 808; 2C 241; 3P 85
- ✓ Dajing: OGIP 6,589; Prospective 3,481

### PARTNERS



### PROGRAM

- ✓ Liulin equity contribution; move to early production; reserves upgrade
- ✓ Dajing to commence work

### PIPELINE

- ✓ New PSC
- ✓ FEEC assets
- ✓ NOC framework agreement
- ✓ CMM
- ✓ Further Liulin equity increase

- 1** Existing CBM PSC (Liulin)
- 2** New PSC (Dajing)
- 3** Farm-in opportunities
- 4** CMM opportunities

# INDONESIA ASSETS

## POTENTIAL FOR EARLY PRODUCTION



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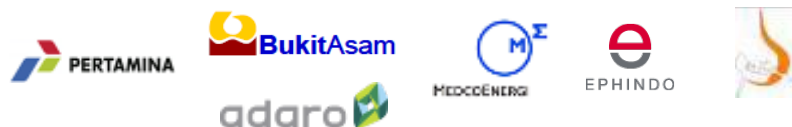


- 1** Existing CBM PSCs
- 2** Joint Evaluations commenced
- 3** Executed HOAs

### Bontang RESOURCE (BCF, gross, per NSAI)

- ✓ Sangatta West: OGIP 587; 2C 314
- ✓ Tanjung Enim: OGIP 472; Prospective 307

### PARTNERS



### PROGRAM

- ✓ Sangatta West, 3 wells drilled, pilot tests commencing; reserves certification; move to early production
- ✓ Tanjung Enim to commence 6 well program

### PIPELINE

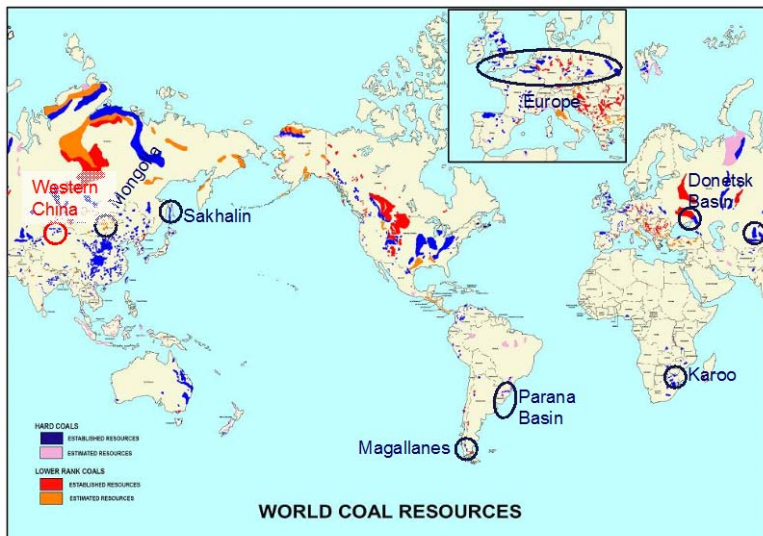
- ✓ Adaro PSCs (x3)
- ✓ Kebur PSC
- ✓ HoAs Salamadar, MedCo, others

# GLOBAL AMBITIONS

## LOOKING FURTHER

### Opportunity

- ✓ Extensive undeveloped CBM resources exist globally
- ✓ Application of Dart Energy's core skills could enable commercialisation of these resources
- ✓ Dart Energy has undertaken market analysis in a number of high prospect new territories
- ✓ Evaluating a broad range of unconventional gas opportunities – asset and corporate



# DART ENERGY

## TANGIBLE MILESTONES

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**Dart Energy represents a continuation of Arrow's international expansion strategy, has an exciting future underpinned by continuity of leadership, the quality asset base and an extensive business development pipeline**

- Potential portfolio of 10 - 16 PSCs / tenements by end 2010
  - 10.6 Tcf GIP certified by NSAI in current titles
  - Additional applications pending or under review
- Active program targeting 125PJ 2P and + 500PJ 3P reserves by end 2011
- First CBM sales in 2012
- New geographies under consideration
- Target of 50 PJ per annum net production by 2015

## Questions

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