

# PROJECT PROFILES

## INVESTMENT IN POWER ASSETS



### POWER ASSETS

#### HONG KONG

Power Assets Holdings Limited is a global investor in power and utility-related businesses with investments in electricity generation, transmission and distribution; renewable energy; gas distribution and energy-from-waste

#### HK OPERATIONS

##### Business

Owens 33.37% HKEI which supplies electricity to Hong Kong Island and Lamma Island

##### Installed capacity

3,402 MW

##### Consumer coverage

More than 580,000 customers

#### OPERATIONS OUTSIDE HK

##### Business

Established a strong global presence with investments in the United Kingdom, Australia, New Zealand, Mainland China, the United States, Canada, Thailand and the Netherlands, bringing sustainable energy and lighting up the lives of millions around the world

##### CKI's ownership

36.01%

## INFRASTRUCTURE INVESTMENTS IN UNITED KINGDOM

### UK POWER NETWORKS THE UNITED KINGDOM

#### Business

One of the UK's largest power distributors comprises three regional networks with a distribution area that covers London, south east and east of England; and non-regulated business comprising commercial contracts to distribute electricity to a number of privately owned sites

#### Electricity distribution network length

Approximately 190,000 km

#### Consumer coverage

Approximately 8.4 million customers

#### CKI's ownership

40%  
(another 40% held by Power Assets)



### NORTHUMBRIAN WATER THE UNITED KINGDOM

#### Business

One of the ten regulated water and sewerage companies in England and Wales. It supplies water and sewerage services in the north east of England and supplies water services to the south east of England

#### Length of mains/sewers

Water mains – Approximately 26,000 km

Sewers – About 30,000 km

Water treatment works – 50

Sewage treatment works – 412

Water service reservoirs – 304

#### Consumer coverage

Serves a total population of 4.5 million

#### CKI's ownership

30%

#### Additional economic benefits

CKI 9%; Power Assets 6%

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## INFRASTRUCTURE INVESTMENTS IN UNITED KINGDOM (CONT'D)

### NORTHERN GAS NETWORKS THE UNITED KINGDOM

#### Business

One of the eight major gas distribution networks in the United Kingdom

#### Natural gas distribution network length

Approximately 36,000 km

#### Consumer coverage

Serves a total population of around 6.7 million

#### CKI's ownership

47.1%  
(another 41.3% held by Power Assets)



### WALES & WEST GAS NETWORKS THE UNITED KINGDOM

#### Business

A gas distribution network that serves Wales and the south west of England

#### Natural gas distribution network length

Approximately 35,000 km

#### Consumer coverage

Serves a total population of 7.5 million

#### CKI's ownership

30%  
(another 30% held by Power Assets)

#### Additional economic benefits

CKI 9%; Power Assets 6%

### SEABANK POWER BRISTOL, THE UNITED KINGDOM

#### Business

Owns and operates Seabank Power Station near Bristol. The electricity is sold under a long-term contract to SSE Energy Supply Ltd.

#### Generation capacity

Approximately 1,140 MW

#### CKI's ownership

25%  
(another 25% held by Power Assets)



### UK RAILS THE UNITED KINGDOM

#### Business

One of the three major rolling stock leasing companies in the United Kingdom. It leases a diverse range of rolling stock on long term contracts

#### CKI's ownership

50%

#### Additional economic benefits

CKI 15%; Power Assets 10%

## INFRASTRUCTURE INVESTMENTS IN AUSTRALIA

### SA POWER NETWORKS

SOUTH AUSTRALIA, AUSTRALIA

#### Business

Primary electricity distribution business for the state of South Australia

#### Electricity distribution network length

Approximately 90,000 km

#### Consumer coverage

More than 900,000 customers

#### CKI's ownership

23.07%  
(another 27.93% held by Power Assets)



### POWERCOR

VICTORIA, AUSTRALIA

#### Business

Operates a major electricity distribution network, covering an area of 150,000 sq km in the state of Victoria

#### Electricity distribution network length

Approximately 93,000 km

#### Consumer coverage

Around 930,000 customers

#### CKI's ownership

23.07%  
(another 27.93% held by Power Assets)

### CITIPOWER

VICTORIA, AUSTRALIA

#### Business

Operates the electricity distribution network in the CBD and inner suburban areas of Melbourne, Victoria

#### Electricity distribution network length

Approximately 7,500 km

#### Consumer coverage

Around 340,000 customers

#### CKI's ownership

23.07%  
(another 27.93% held by Power Assets)



### UNITED ENERGY

AUSTRALIA

#### Business

Operates a major electricity distribution network in the state of Victoria

#### Electricity distribution network length

Approximately 13,000 km

#### Consumer Coverage

More than 700,000 customers

#### CKI's ownership

26.4%  
(another 13.2% held by Power Assets)



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## INFRASTRUCTURE INVESTMENTS IN AUSTRALIA (CONT'D)



### AUSTRALIAN GAS NETWORKS AUSTRALIA

#### Business

One of Australia's largest distributors of natural gas

#### Natural gas distribution network length

Approximately 27,000 km

#### Consumer coverage

Approximately 1.4 million customers

#### CKI's ownership

Approximately 45% (another 27.5% held by Power Assets)

#### Additional economic benefits

CKI 8.25%; Power Assets 5.5%

### DAMPIER BUNBURY PIPELINE AUSTRALIA

#### Business

Natural gas transmission pipeline connecting the Carnarvon/Browse Basins with Perth

#### Natural gas pipeline length

About 4,100 km

#### CKI's ownership

40% (another 20% held by Power Assets)



### MULTINET GAS AUSTRALIA

#### Business

Operates a gas distribution network in the state of Victoria

#### Natural gas distribution network length

Approximately 10,000 km

#### Consumer coverage

Approximately 720,000 customers

#### CKI's ownership

40% (another 20% held by Power Assets)

### ENERGY DEVELOPMENTS AUSTRALIA

#### Business

Owns and operates a portfolio of power generation facilities in Australia, North America and Europe, specialising in producing electricity from safe, clean, low greenhouse gas emissions sources such as wind and solar, or landfill gas and waste coal mine gas

#### Generation capacity

Over 1,000 MW

#### CKI's ownership

40% (another 20% held by Power Assets)



## INFRASTRUCTURE INVESTMENTS IN AUSTRALIA (CONT'D)

### AUSTRALIAN ENERGY OPERATIONS

#### VICTORIA, AUSTRALIA

##### Business

Owns and operates electricity transmission assets and terminal stations, specialised in the connection of renewable energy generators to Victoria's power grid

##### Electricity transmission network length

100 km

##### CKI's ownership

50%

(another 50% held by Power Assets)



## INFRASTRUCTURE INVESTMENTS IN NEW ZEALAND



### WELLINGTON ELECTRICITY

#### WELLINGTON, NEW ZEALAND

##### Business

Operates the electricity distribution network in New Zealand's capital city, Wellington, and the surrounding greater Wellington area

##### Electricity distribution network length

About 4,800 km

##### Consumer coverage

More than 170,000 customers

##### CKI's ownership

50%

(another 50% held by Power Assets)

### ENVIRONZ

#### NEW ZEALAND

##### Business

A diversified, vertically integrated waste management business that has national coverage in New Zealand

##### Facilities

A network of collection facilities at 18 locations nationwide, 26 transfer stations, 8 landfills and a fleet of over 588 vehicles

##### Consumer coverage

More than 500,000 commercial and residential customers

##### CKI's ownership

100%



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## INFRASTRUCTURE INVESTMENTS IN CONTINENTAL EUROPE

### ISTA GERMANY

#### Business

A leading international provider of sub-metering and related services with strong market positions in European countries such as Germany, France, Denmark and the Netherlands

#### Consumer coverage

Covering over 14 million homes

#### CKI's ownership

35%



### DUTCH ENVIRO ENERGY THE NETHERLANDS

#### Business

Owns the largest energy-from-waste player in the Netherlands, AVR, which operates 5 waste treatment plants in Rozenburg and Duiven; as well as 4 transfer stations

#### Capacity (plants)

Energy from Waste – 2,300 kilotonnes per year  
Biomass Energy – 150 kilotonnes per year  
Liquid Waste – 280 kilotonnes per year  
Paper Residue Incineration – 160 kilotonnes per year

#### Capacity (transfer stations)

1,000 kilotonnes per year

#### CKI's ownership

35%  
(another 20% held by Power Assets)

#### Additional economic benefits

CKI 10.5%; Power Assets 7%



## INFRASTRUCTURE INVESTMENTS IN CANADA

### RELIANCE HOME COMFORT CANADA

#### Business

Principally engaged in the home and commercial services sector providing the sale and rental of water heaters, HVAC equipment, water purification, plumbing, electrical, comfort protection plans and other services to homeowners primarily in Ontario, Canada

#### Consumer coverage

Over 2 million customers

#### CKI's ownership

25%





## INFRASTRUCTURE INVESTMENTS IN CANADA (CONT'D)

### CANADIAN MIDSTREAM ASSETS

#### CANADA

##### Business

This business comprises oil pipelines, storage facilities and ancillary assets in Canada

##### Length of oil pipeline

Approximately 2,300 km

##### Storage facilities

2

##### CKI's ownership

16.25%

(another 48.75% held by Power Assets)



### CANADIAN POWER

#### CANADA

##### Business

Owns 49.99% share of TransAlta Cogeneration, L.P. which operates four power plants in the provinces of Ontario and Alberta; 100% of the Meridian Cogeneration Plant Okanagan Wind in Saskatchewan; and 100% of Okanagan Wind in British Columbia

##### Generation capacity

Five power plants and two wind farms with total gross capacity of 1,314 MW

##### CKI's ownership

50%

(another 50% held by Power Assets)

### PARK'N FLY

#### CANADA

##### Business

The leading off-airport car park provider in Canada and the only national operator. The company provides parking facilities in Toronto, Vancouver, Montreal, Edmonton, Ottawa, Halifax and Winnipeg

##### CKI's ownership

50%

##### Additional economic benefits

CKI 15%; Power Assets 10%



## INFRASTRUCTURE INVESTMENTS IN

## HONG KONG AND MAINLAND CHINA



### SHEN-SHAN HIGHWAY (EASTERN SECTION)

#### GUANGDONG, CHINA

##### Location

Lufeng/Shantou, Guangdong Province

##### Road type

Expressway

##### Length

140 km

##### No. of lanes

Dual two-lane

##### Joint venture contract date

1993

##### Joint venture expiry date

2028

##### Total project cost

HK\$2,619 million

##### CKI's investment

HK\$877 million

##### CKI's interest in JV

33.5%

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## INFRASTRUCTURE INVESTMENTS IN HONG KONG AND MAINLAND CHINA (CONT'D)

### SHANTOU BAY BRIDGE

GUANGDONG, CHINA

**Location**

Shantou, Guangdong Province

**Road type**

Bridge

**Length**

6 km

**No. of lanes**

Dual three-lane

**Joint venture contract date**

1993

**Joint venture expiry date**

2028

**Total project cost**

HK\$665 million

**CKI's investment**

HK\$200 million

**CKI's interest in JV**

30%



### PANYU BEIDOU BRIDGE

GUANGDONG, CHINA

**Location**

Panyu, Guangdong Province

**Road type**

Bridge

**Length**

3 km

**No. of lanes**

Dual three-lane

**Joint venture contract date**

1999

**Joint venture expiry date**

2024

**Total project cost**

HK\$164 million

**CKI's investment**

HK\$66 million

**CKI's interest in JV**

40%

### ALLIANCE CONSTRUCTION MATERIALS

HONG KONG

**CONCRETE DIVISION**

**Business**

Hong Kong's largest concrete producer

**Total capacity**

4 million cubic meters per year

**CKI's ownership**

50%

**QUARRY DIVISION**

**Business**

1 quarry in central-east Guangdong Province, China and the exclusive distribution rights for another quarry in south central Guangdong province, China for sales of aggregates products in Hong Kong

**Total capacity (aggregates)**

6 million tonnes per year

**CKI's ownership**

50%





## INFRASTRUCTURE INVESTMENTS IN HONG KONG AND MAINLAND CHINA (CONT'D)

### GREEN ISLAND CEMENT

#### HONG KONG

##### Business

The only fully integrated cement producer in Hong Kong

##### Total capacity

Clinker – 1.5 million tonnes per year  
Cement grinding – 2.5 million tonnes per year

##### CKI's ownership

100%



### GREEN ISLAND CEMENT (YUNFU)

#### GUANGDONG, CHINA

##### Location

Yunfu, Guangdong Province

##### Business

Cement production

##### Total capacity

Clinker – 2 million tonnes per year  
Cement grinding – 1.5 million tonnes per year

##### CKI's ownership

100%

### GUANGDONG GITIC GREEN ISLAND CEMENT

#### GUANGDONG, CHINA

##### Location

Yunfu, Guangdong Province

##### Business

Cement production

##### Total capacity

Clinker – 1 million tonnes per year  
Cement grinding – 1.5 million tonnes per year

##### CKI's ownership

67%



### YUNFU XIANGLI CEMENT

#### GUANGDONG, CHINA

##### Location

Yunfu, Guangdong Province

##### Business

Cement Production  
Jetty

##### Total capacity

Cement grinding – 1 million tonnes per year  
Jetty – Three berths with an annual throughput capacity reaching 3 million tonnes

##### CKI's ownership

100%