POWER ASSETS HOLDINGS LIMITED
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
Owns 49.9% HKEL which supplies electricity to Hong Kong Island and Lamma Island
Installed capacity
3,736 MW
Consumer coverage
More than 569,000 customers

OPERATIONS OUTSIDE HK
Business
Power Assets has also established a strong global presence with investments in the United Kingdom, Australia, New Zealand, the Netherlands, Mainland China, Canada and Thailand, bringing sustainable energy and lighting up the lives of millions around the world
CKI’s shareholding
38.87%

UK POWER NETWORKS HOLDINGS LIMITED
THE UNITED KINGDOM
Business
One of UK’s largest power distributors comprises three regional networks with a distribution area that covers London, South East England and the East of England; and non-regulated business comprising commercial contracts to distribute electricity to a number of privately owned sites
Network length
Underground – 134,767 km
Overhead – 47,391 km
Consumer coverage
Approximately 8 million customers
CKI’s shareholding
40% (another 40% held by Power Assets)

NORTHUMBRIAN WATER GROUP LIMITED
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
Network length
Water mains – 25,545 km
Sewers – 29,724 km
Water treatment works – 57
Sewage treatment works – 418
Water service reservoirs – 338
Consumer coverage
Serves a total population of 4.5 million
CKI’s shareholding
40%
NORTHERN GAS NETWORKS LIMITED
THE UNITED KINGDOM

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

Natural gas distribution network
37,000 km

Consumer coverage
Serves a total population of 6.7 million

CKI’s shareholding
47.1% (another 41.3% held by Power Assets)

SEABANK POWER LIMITED
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.

Consumer coverage
Approximately 1,140 MW

CKI’s shareholding
25% (another 25% held by Power Assets)

WALES & WEST UTILITIES LIMITED
THE UNITED KINGDOM

Business
A gas distribution network that serves Wales and the South West of England

Natural gas distribution network
35,000 km

Consumer coverage
Serves a total population of 7.5 million

CKI’s shareholding
30% (another 30% held by Power Assets)

SOUTHERN WATER SERVICES LIMITED
THE UNITED KINGDOM

Business
Supplies water and waste water services to the South East of England

Length of mains/sewers
Water mains – 13,700 km
Length of sewers – 39,000 km

Consumer coverage
Water – Serves a population of 2.4 million
Recycles wastewater – Serves a population of 4.5 million

CKI’s shareholding
4.75%
SA POWER NETWORKS
SOUTH AUSTRALIA, AUSTRALIA

Business
Primary electricity distribution business for the state of South Australia

Electricity distribution network
More than 87,500 km

Consumer coverage
Approximately 839,000 customers

CKI’s shareholding
23.07% (another 27.93% held by Power Assets)

CITIPower Pty Ltd.
VICTORIA, AUSTRALIA

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

Electricity distribution network
Approximately 6,500 km

Consumer coverage
Approximately 320,000 customers

CKI’s shareholding
23.07% (another 27.93% held by Power Assets)

POWERCOR AUSTRALIA LIMITED
VICTORIA, AUSTRALIA

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

Electricity distribution network
Approximately 84,000 km

Consumer coverage
Approximately 750,000 customers

CKI’s shareholding
23.07% (another 27.93% held by Power Assets)

TRANSMISSION OPERATIONS (AUSTRALIA) PTY LTD
VICTORIA, AUSTRALIA

Business
To operate a transmission link which transports renewable energy from the wind farm to Victoria’s power grid. The project was completed in November 2013.

Electricity transmission network
21 km

CKI’s shareholding
50% (another 50% held by Power Assets)
**Infrastructure Investment in AUSTRALIA (CONT’D)**

**ENVESTRA LIMITED**
**AUSTRALIA**

**Business**
One of Australia’s largest distributors of natural gas

**Natural gas distribution network**
About 22,500 km

**Consumer coverage**
Over 1.2 million customers

**CKI’s shareholding**
Approximately 17.5%

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**SPARK INFRASTRUCTURE GROUP**
**AUSTRALIA**

**Business**
An infrastructure company listed in Australia with seed assets being a 49% stake in each of SA Power Networks, Powercor and CitiPower

**CKI’s shareholding**
8.5%

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**Infrastructure Investment in NEW ZEALAND**

**WELLINGTON ELECTRICITY LINES LIMITED**
**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**
Over 4,600 km

**Consumer coverage**
About 165,000 customers

**CKI’s shareholding**
50% (another 50% held by Power Assets)

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**ENVIRO WASTE SERVICES LIMITED**
**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, 14 transfer stations, 3 landfills and a fleet of over 290 vehicles

**Consumer coverage**
About 500,000 commercial and residential customers

**CKI’s shareholding**
100%
AVR-AFVALVERWERKING B.V.
THE NETHERLANDS

Business
The largest energy-from-waste player in the Netherlands, operating 2 waste treatment plants, one in Rozenburg and another in Duiven; as well as 4 transfer stations

Capacity (plants)
Energy from Waste – 1,700 kilo tonnes per year
Biomass Energy – 140 kilo tonnes per year
Liquid Waste – 325 kilo tonnes per year
Paper Residue Incineration – 200 kilo tonnes per year

Capacity (transfer stations)
1,000 kilo tonnes per year

CKI’s shareholding
35% (another 20% held by Power Assets)

CANADIAN POWER HOLDINGS INC.
CANADA

Business
Owns 49.99% share of TransAlta Cogeneration, L.P. which operates five power plants in the provinces of Ontario and Alberta as well as 100% of the Meridian Cogeneration Plant in Saskatchewan

Generation capacity
Six power plants with total gross capacity of 1,362 MW

CKI’s shareholding
50% (another 50% held by Power Assets)
## PROJECT PROFILES

### Infrastructure Investment in CHINA

#### SHEN-SHAN HIGHWAY (EASTERN SECTION)
**GUANGDONG, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Joint venture expiry date</th>
<th>Total project cost</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lufeng/Shantou, Guangdong Province</td>
<td>2028</td>
<td>HK$2,619 million</td>
<td>HK$877 million</td>
<td>33.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Road type</th>
<th>Length</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expressway</td>
<td>140 km</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of lanes</th>
<th>Joint venture contract date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual two-lane</td>
<td>1993</td>
</tr>
</tbody>
</table>

#### TANGSHAN TANGLE ROAD
**HEBEI, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Joint venture expiry date</th>
<th>Total project cost</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tangshan, Hebei Province</td>
<td>2019</td>
<td>HK$187 million</td>
<td>HK$95 million</td>
<td>51%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Road type</th>
<th>Length</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 2 highway</td>
<td>100 km</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of lanes</th>
<th>Joint venture contract date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual one-lane</td>
<td>1997</td>
</tr>
</tbody>
</table>

#### SHANTOU BAY BRIDGE
**GUANGDONG, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Joint venture expiry date</th>
<th>Total project cost</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shantou, Guangdong Province</td>
<td>2026</td>
<td>HK$665 million</td>
<td>HK$200 million</td>
<td>30%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Road type</th>
<th>Length</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge</td>
<td>6 km</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of lanes</th>
<th>Joint venture contract date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual three-lane</td>
<td>1993</td>
</tr>
</tbody>
</table>

#### CHANGSHA WUJIALING AND WUYILU BRIDGES
**HUNAN, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Joint venture expiry date</th>
<th>Total project cost</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changsha, Hunan Province</td>
<td>2022</td>
<td>HK$465 million</td>
<td>HK$206 million</td>
<td>44.2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Road type</th>
<th>Length</th>
<th>CKI’s investment</th>
<th>CKI’s interest in JV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge</td>
<td>5 km</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No. of lanes</th>
<th>Joint venture contract date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual two-lane</td>
<td>1997</td>
</tr>
</tbody>
</table>
### JIANGMEN JIANGSHA HIGHWAY
**GUANGDONG, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Jiangmen, Guangdong Province</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Road type</strong></td>
<td>Class 1 highway</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>21 km</td>
</tr>
<tr>
<td><strong>No. of lanes</strong></td>
<td>Dual two-lane</td>
</tr>
<tr>
<td><strong>Joint venture contract date</strong></td>
<td>1996</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Joint venture expiry date</th>
<th>2026</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total project cost</strong></td>
<td>HK$207 million</td>
</tr>
<tr>
<td><strong>CKI’s investment</strong></td>
<td>HK$103 million</td>
</tr>
<tr>
<td><strong>CKI’s interest in JV</strong></td>
<td>50%</td>
</tr>
</tbody>
</table>

### JIANGMEN CHAOLIAN BRIDGE
**GUANGDONG, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Panyu, Guangdong Province</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Road type</strong></td>
<td>Bridge</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>3 km</td>
</tr>
<tr>
<td><strong>No. of lanes</strong></td>
<td>Dual three-lane</td>
</tr>
<tr>
<td><strong>Joint venture contract date</strong></td>
<td>1999</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Joint venture expiry date</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total project cost</strong></td>
<td>HK$164 million</td>
</tr>
<tr>
<td><strong>CKI’s investment</strong></td>
<td>HK$66 million</td>
</tr>
<tr>
<td><strong>CKI’s interest in JV</strong></td>
<td>40%</td>
</tr>
</tbody>
</table>

### PANYU BEIDOU BRIDGE
**GUANGDONG, CHINA**

<table>
<thead>
<tr>
<th>Location</th>
<th>Jiangmen, Guangdong Province</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Road type</strong></td>
<td>Bridge</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>2 km</td>
</tr>
<tr>
<td><strong>No. of lanes</strong></td>
<td>Dual two-lane</td>
</tr>
<tr>
<td><strong>Joint venture contract date</strong></td>
<td>1997</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Joint venture expiry date</th>
<th>2027</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total project cost</strong></td>
<td>HK$130 million</td>
</tr>
<tr>
<td><strong>CKI’s investment</strong></td>
<td>HK$65 million</td>
</tr>
<tr>
<td><strong>CKI’s interest in JV</strong></td>
<td>50%</td>
</tr>
</tbody>
</table>
### ALLIANCE CONSTRUCTION MATERIALS LIMITED

**HONG KONG**

#### CONCRETE DIVISION
**Business**
Hong Kong’s largest concrete producer

**Total capacity**
4 million cubic meters per annum

**CKI’s interest**
50%

#### QUARRY DIVISION
**Business**
2 quarries in Hong Kong and 1 quarry in China, with sole distribution rights for another quarry in China for sales into Hong Kong

**Total capacity (aggregates)**
5 million tonnes per annum

**CKI’s interest**
50%

### ANDERSON ASPHALT LIMITED

**HONG KONG**

**Business**
Hong Kong’s largest asphalt producer, pavement contractor and recycler

**Total capacity**
- Asphalt – 1 million tonnes per annum
- Recycling – 0.5 million tonnes per annum

**CKI’s interest**
100%

### GREEN ISLAND CEMENT COMPANY, LIMITED

**HONG KONG**

**Business**
The only fully integrated cement producer in Hong Kong

**Total capacity**
- Clinker – 1.5 million tonnes per annum
- Cement grinding – 2.5 million tonnes per annum

**CKI’s interest**
100%

### GREEN ISLAND CEMENT (YUNFU) COMPANY LIMITED

**GUANGDONG, CHINA**

**Location**
Yunfu, Guangdong Province

**Total capacity**
- Clinker – 1.5 million tonnes per annum
- Cement grinding – 1.3 million tonnes per annum

**Operational status**
Fully operational during the 4th quarter of 2013

**CKI’s interest**
100%
GUANGDONG GITIC GREEN ISLAND CEMENT CO. LTD.  
GUANGDONG, CHINA

Location  
Yunfu, Guangdong Province

Business  
Cement production

Total capacity  
Clinker – 0.8 million tonnes per annum  
Cement grinding – 1.5 million tonnes per annum

CKI’s interest  
67%

SIQUIJOR LIMESTONE QUARRY  
PHILIPPINES

Location  
Siquijor, Philippines

Business  
Limestone quarry

Total capacity  
2 million tonnes per annum

CKI’s interest  
40%