

## Project Profiles Hongkong Electric / Infrastructure Investments



### Hongkong Electric, Hong Kong

<b>CKI shareholding</b>	38.87%
<b>Installed capacity</b>	3,305 MW
<b>Business</b>	Exclusive right to generate and distribute electricity to Hong Kong Island, Ap Lei Chau and Lamma Island
<b>2002 net profit</b>	HK\$6,827 million

### CitiPower I Pty Limited, Victoria, Australia

<b>CKI shareholding</b>	50% (another 50% held by Hongkong Electric)
<b>Business</b>	To operate the electricity distribution network in the central business district and inner suburban areas of Melbourne, Victoria
<b>Electricity distribution network</b>	5,054 km (41% underground cables)
<b>Consumer coverage</b>	265,000 customers



### Envestra Limited, Australia

<b>CKI shareholding</b>	19.14%
<b>Business</b>	Distribution of natural gas in the states of South Australia, Queensland, the Northern Territory, Victoria and New South Wales
<b>Natural gas distribution network</b>	17,750 km
<b>Consumer coverage</b>	900,000 customers

### ETSA Utilities, South Australia, Australia

<b>CKI shareholding</b>	50% (another 50% held by Hongkong Electric)
<b>Business</b>	To operate the electricity distribution network in the state of South Australia for 200 years
<b>Electricity distribution network</b>	73,111 km
<b>Consumer coverage</b>	734,000 customers



### Powercor Australia Limited, Victoria, Australia

<b>CKI shareholding</b>	50% (another 50% held by Hongkong Electric)
<b>Business</b>	To operate the electricity distribution network covering an area of over 150,000 square km in the state of Victoria
<b>Electricity distribution network</b>	80,000 km
<b>Consumer coverage</b>	600,000 customers

## Project Profiles

### Infrastructure Investments



#### Fushun Cogen Power Plants, Liaoning

<b>Location</b>	Fushun, Liaoning Province
<b>Total capacity</b>	150 MW
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2017
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$690 million
<b>CKI's interest</b>	HK\$414 million
<b>Interest in JV</b>	60%

#### Qinyang Power Plants, Henan

<b>Location</b>	Qinyang, Henan Province
<b>Total capacity</b>	110 MW
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2017
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$457 million
<b>CKI's interest</b>	HK\$224 million
<b>Interest in JV</b>	49%



#### Siping Cogen Power Plants, Jilin

<b>Location</b>	Siping, Jilin Province
<b>Total capacity</b>	200 MW
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2018
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$1,610 million
<b>CKI's interest</b>	HK\$725 million
<b>Interest in JV</b>	45%

#### Zhuhai Power Plant, Guangdong

<b>Location</b>	Zhuhai, Guangdong Province
<b>Total capacity</b>	1,400 MW
<b>Joint venture contract date</b>	1995
<b>Joint venture expiring</b>	2019
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$9,493 million
<b>CKI's interest</b>	HK\$1,284 million
<b>Interest in JV</b>	45%



## Project Profiles Infrastructure Investments

### Eastern Harbour Crossing Rail Tunnel, Hong Kong

<b>CKI shareholding</b>	50%
<b>Road type</b>	Rail tunnel
<b>Length</b>	2.2 km
<b>Rail franchise period</b>	1986 - 2008



### Changsha Wujialing and Wuyilu Bridges, Hunan

<b>Location</b>	Changsha, Hunan Province
<b>Road type</b>	Bridge
<b>Length</b>	5 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2022
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$465 million
<b>CKI's interest</b>	HK\$206 million
<b>Interest in JV</b>	44.2%

### Guangzhou East-South-West Ring Road, Guangdong

<b>Location</b>	Guangzhou, Guangdong Province
<b>Road type</b>	Expressway
<b>Length</b>	39 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2032
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$4,220 million
<b>CKI's interest</b>	HK\$1,169 million
<b>Interest in JV</b>	44.4%



## Project Profiles

### Infrastructure Investments



#### Jiangmen Chaolian Bridge, Guangdong

<b>Location</b>	Jiangmen, Guangdong Province
<b>Road type</b>	Bridge
<b>Length</b>	2 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2027
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$130 million
<b>CKI's interest</b>	HK\$65 million
<b>Interest in JV</b>	50%

#### Jiangmen Jianghe Highway, Guangdong

<b>Location</b>	Jiangmen, Guangdong Province
<b>Road type</b>	Expressway
<b>Length</b>	20 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1996
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$421 million
<b>CKI's interest</b>	HK\$211 million
<b>Interest in JV</b>	50%



#### Jiangmen Jiangsha Highway, Guangdong

<b>Location</b>	Jiangmen, Guangdong Province
<b>Road type</b>	Class 1 highway
<b>Length</b>	21 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1996
<b>Joint venture expiring</b>	2026
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$207 million
<b>CKI's interest</b>	HK\$103 million
<b>Interest in JV</b>	50%

#### National Highway 107 (Zhumadian Sections), Henan

<b>Location</b>	Zhumadian, Henan Province
<b>Road type</b>	Class 2 highway
<b>Length</b>	114 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2024
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$461 million
<b>CKI's interest</b>	HK\$304 million
<b>Interest in JV</b>	66%





### Panyu Beidou Bridge, Guangdong

<b>Location</b>	Panyu, Guangdong Province
<b>Road type</b>	Bridge
<b>Length</b>	3 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1999
<b>Joint venture expiring</b>	2024
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$164 million
<b>CKI's interest</b>	HK\$66 million
<b>Interest in JV</b>	40%

### Shantou Bay Bridge, Guangdong

<b>Location</b>	Shantou, Guangdong Province
<b>Road type</b>	Bridge
<b>Length</b>	6 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1993
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$665 million
<b>CKI's interest</b>	HK\$200 million
<b>Interest in JV</b>	30%



### Shen-Shan Highway (Eastern Section), Guangdong

<b>Location</b>	Lufeng/Shantou, Guangdong Province
<b>Road type</b>	Expressway
<b>Length</b>	140 km
<b>No. of lanes</b>	Dual two-lane
<b>Joint venture contract date</b>	1993
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$2,619 million
<b>CKI's interest</b>	HK\$877 million
<b>Interest in JV</b>	33.5%

### Shenyang Changqing Bridge, Liaoning

<b>Location</b>	Shenyang, Liaoning Province
<b>Road type</b>	Bridge
<b>Length</b>	3 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1996
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$269 million
<b>CKI's interest</b>	HK\$81 million
<b>Interest in JV</b>	30%



## Project Profiles

### Infrastructure Investments



#### Shenyang Da Ba Road and South-West Elevated Sections, Liaoning

<b>Location</b>	Shenyang, Liaoning Province
<b>Road type</b>	Class 1 highway
<b>Length</b>	23 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1996 & 1997
<b>Joint venture expiring</b>	2027
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$1,504 million
<b>CKI's interest</b>	HK\$451 million
<b>Interest in JV</b>	30%

#### Shenyang Gongnong Bridge, Liaoning

<b>Location</b>	Shenyang, Liaoning Province
<b>Road type</b>	Bridge
<b>Length</b>	1 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1996
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$121 million
<b>CKI's interest</b>	HK\$36 million
<b>Interest in JV</b>	30%



#### Shenyang Shensu Expressway, Liaoning

<b>Location</b>	Shenyang, Liaoning Province
<b>Road type</b>	Class 1 highway
<b>Length</b>	12 km
<b>No. of lanes</b>	Dual three-lane
<b>Joint venture contract date</b>	1996
<b>Joint venture expiring</b>	2028
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$395 million
<b>CKI's interest</b>	HK\$118 million
<b>Interest in JV</b>	30%

#### Tangshan Tangle Road, Hebei

<b>Location</b>	Tangshan, Hebei Province
<b>Road type</b>	Class 2 highway
<b>Length</b>	100 km
<b>No. of lanes</b>	Dual one-lane
<b>Joint venture contract date</b>	1997
<b>Joint venture expiring</b>	2019
<b>Operational status</b>	Operational
<b>Total project cost</b>	HK\$187 million
<b>CKI's interest</b>	HK\$95 million
<b>Interest in JV</b>	51%



# Project Profiles Infrastructure Materials and Infrastructure-related Businesses



## Asia Stone, Anderson Asia, Hong Kong

- Total capacity: 1.5 million tonnes per annum
- Origins date back to 1968
- One of Hong Kong's four contract quarries
- Sole distributor of a Mainland China quarry in Hong Kong
- Aggregates mainly for in-house purpose

## Bonntile, Anderson Asia, Hong Kong

- Total capacity: 1.5 million square meters per annum
- Established in 1973
- Exterior wall spray-coating system specialist
- Sole distributor for Hong Kong, Macau and Mainland China for a leading Japanese spray-coating manufacturer since 1998



## Ready Mixed Concrete, Anderson Asia, Hong Kong

- Total capacity: 3.5 million cubic meters per annum
- One of Hong Kong's largest concrete producers
- 8 strategically-located batching plants throughout Hong Kong
- Over 175 mixer trucks
- The only commercial producer of high performance and strength concrete (100+ MPa) since 1997
- Leader in product innovation, technology and customer service

## Anderson Asphalt, Hong Kong

- Total asphalt capacity: 2.8 million tonnes per annum
- Founded in 1977
- Operations in Hong Kong, Mainland China, the Philippines and the Bahamas
- Specially designed mastic asphalt for Tsing Ma Bridge (Hong Kong), Jiangyin Bridge (Mainland China) and Irtys River Bridge (Kazakhstan)
- One of Hong Kong's largest asphalt producers, pavement contractors and recyclers
- Operations in the Philippines carrying out re-furbishing of the North Luzon Expressway using asphalt recycling technology. Operations in Mainland China on Class 1 Expressways built in Hebei, Henan, Shandong, Shanxi, Hunan and Fujian



## Project Profiles Infrastructure Materials and Infrastructure-related Businesses

### Green Island Cement, Hong Kong

Total capacity: 1.5 million tonnes (clinker), 2.5 million tonnes (cement grinding) per annum
Origins date back to 1887
Hang Seng constituent stock prior to privatisation in 1987
Only integrated cement producer in Hong Kong
About one-third Hong Kong market share
Only producer of high early strength and low alkaline cement in Hong Kong



### Shantou Cement Grinding Plant, Guangdong

Location: Shantou, Guangdong Province
Total capacity: 600,000 tonnes per annum
Clinker grinding facilities, commissioning 1999
Produce blended cement under the Golden Eagle brand name
CKI's interest: 100%

### Guangdong GITIC Green Island Cement Co. Ltd., Guangdong

Location: Yunfu, Guangdong Province
Total capacity: 680,000 tonnes per annum
Cement production facilities upgraded in 1998 to produce high-quality cement
CKI's interest: 67%



### Siquijor Limestone Quarry, Philippines

Location: Siquijor, Philippines
Total capacity: 5 million tonnes per annum
Limestone quarry acquired in 1995 for 25 years
CKI's interest: 40%

### Polyphalt Inc., Canada

<b>CKI shareholding</b>	63.5%
<b>Business</b>	Develops and commercialises polymer modified asphalt technology, products and services. The Company blends several of its asphalt technologies by mixing bitumen with plastics and rubbers, including recycled materials. Polyphalt is also a manufacturer of coating, adhesive and maintenance products to the roofing, building and road repair sectors.
<b>Licensee locations</b>	12 licensees have been issued to North America, Northern Europe, Australia and Asia.







### Stuart Energy Systems Corp., Canada

CKI shareholding	9.2%
Business	Develops and supplies hydrogen generation & backup power supply systems through its proprietary water electrolysis technology
CKI's distribution right	To market Stuart Energy's technology and products in Asia Pacific on an exclusive basis until 2012

### Yueyang Water Plants, Hunan

Location	Yueyang, Hunan Province
Total capacity	400,000 tonnes per day
Joint venture contract date	1998
Joint venture expiring	2016
Operational status	Operational
Total project cost	HK\$140 million
CKI's interest	HK\$69 million
Interest in JV	49%



### bioSecure Systems Limited, Hong Kong

CKI shareholding	62%
Business	Develops and supplies biometrics products and systems (including the exclusively licensed fingerprint matching technology from the Chinese University of Hong Kong and through partnership with world leading biometrics technology providers).
Applications	Multiple security applications including access control, time and attendance records, smart ID cards, law enforcement system, e-commerce, etc.

### e-Smart System Inc., Hong Kong

CKI shareholding	50%
Business	Applications of the patented "EYECON" microprocessor-based contactless smart card technology in the Greater China Region.
Applications	Multiple applications including stored value, fare collection, access control, time and attendance record, loyalty programmes, web transactions, and national identification.

