



2010 Interim Results
Presentation

August 19, 2010



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# Agenda

- Results Highlights
- Financial Review
- Business Review
  - Corporate Positioning
  - Energy Conservation & Emission Reduction
  - Environmental Protection Business
  - Construction and R&D
- Q & A

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3





# Results Highlights



# Results Highlights (1)

- Rapid development in environmental protection and alternative energy businesses
  - Successfully developed projects in new business areas: reusable water, photovoltaic energy and biomass power generation, etc.
  - 3 newly handed over and operating projects: Jinan Xike Project, Ling County Plant 2 BOT Project and Ling County Plant 1 TOT Project
  - 10 new projects commenced construction: 4 waste-to-energy (WTE) projects in Jiangyin, Zhenjiang, Suqian and Jinan; 3 alternative energy projects in Zibo, Dangshan and Shenzhen; 2 reusable water projects in Zibo and Jinan, and a waste water treatment BT project in Xinyi



5



# Results Highlights (2)

- Secured 9 new projects: 2 reusable water projects in Zibo and Jinan; 3 photovoltaic energy projects in Huaining, Shenzhen and Zhenjiang; and other projects including Dangshan Biomass Power Generation Project, Ling County Plant 1 TOT Project, Zhenjiang Solid Waste Landfill Project and Suzhou Leachate Methane-to-energy Project
- 2 newly planned environmental protection industrial parks : Changzhou and Yantai
- Continuous growth of profit contribution from environmental protection business with profit attributable to equity shareholders rose 24% to HK\$245 million





# Financial Review

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7

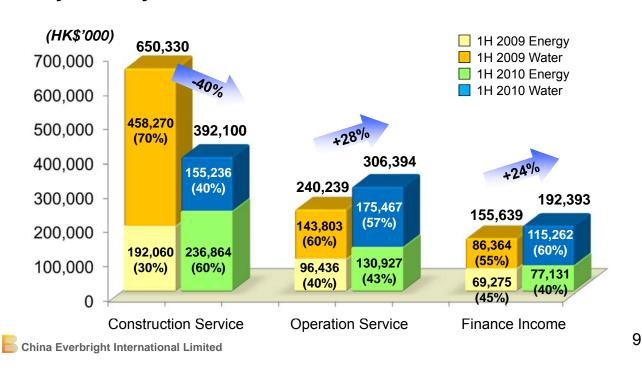


#### **Financial Review**

(HK\$'000)	For the six months ended 30 June		Change
	2010	2009	_
Turnover	959,876	1,101,610	(13%)
Gross profit	487,747	421,477	16%
EBITDA on recurring basis	453,628	379,267	20%
Profit attributable to equity shareholders	245,134	196,981	24%
Basic EPS	HK6.73 cents	HK6.26 cents	8%
Interim dividend per share	HK 1 cent	HK1 cent	-



# **Turnover Analysis of Environmental Protection Business** – By Activity

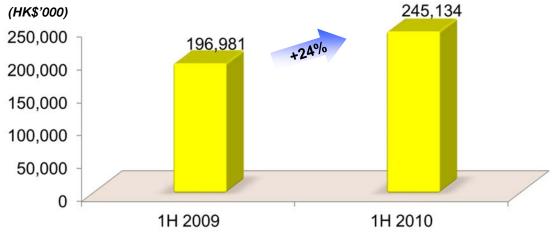




#### **Profit Attributable to Equity Shareholders**

An increase of 24% to HK\$245,134,000 as compared with HK\$196,981,000 for the 1H 2009

- Increase in EBITDA on recurring basis by 20% to HK\$453,628,000
- Finance costs decreased by 1% to HK\$85,251,000





# **Key Financial Figures**

	As at 30/06/2010	As at 31/12/2009	Change
Total assets (HK\$ 'Mil)	9,105	8,667	5%
Total liabilities (HK\$ 'Mil)	3,932	3,738	5%
Shareholders' equity (HK\$ 'Mil)	4,797	4,573	5%
Cash on hand (HK\$ 'Mil)	1,371	2,024	(32%)
Current ratio (%)	246	248	(2%)
Gearing ratio (%) (Total liabilities/Total assets)	43	43	-

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11





# Corporate Positioning



# **Corporate Positioning**

To become a business conglomerate which has integrated technology development, construction and operation management focusing on green environmental protection and alternative energy businesses



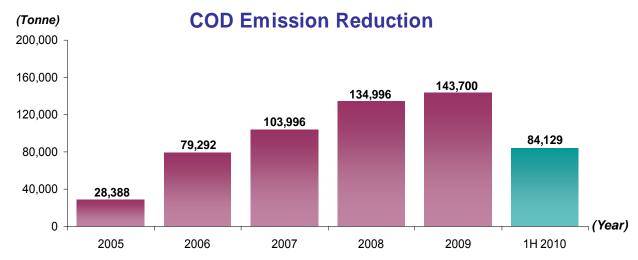
13





# Energy Conservation and Emission Reduction

#### **Energy Conservation & Emission Reduction (1)**



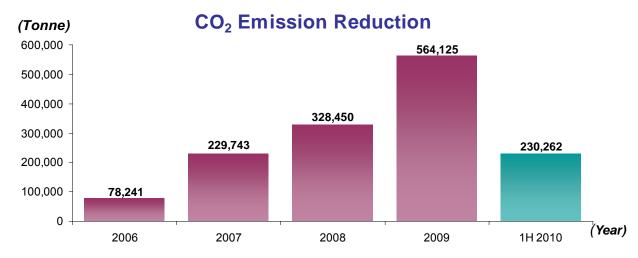
■ In 1H 2010, the Group has treated 212,093,000 m³ of waste water (including leachate from waste-to-energy projects) which reduced COD emission of 84,129 tonnes. The accumulated COD emission reduction since the Group's commencement of its first environmental protection project in 2005 was approximately 575,000 tonnes.



15



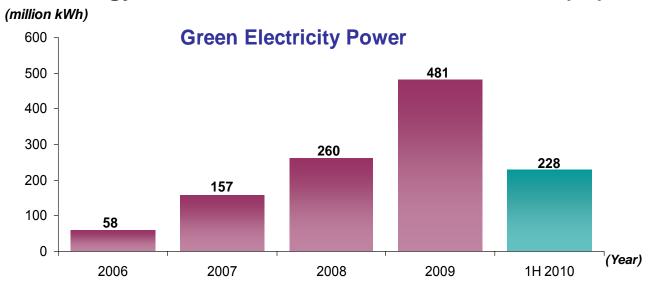
#### **Energy Conservation & Emission Reduction (2)**



■ In 1H 2010, green electricity generated (including on-grid and self consumed) by waste-to-energy and methane-to-energy projects was 215 million kWh, equivalent to coal saving of 104,889 tonnes and hence reduced 230,262 tonnes of CO₂ emission. The accumulated green electricity supply reached 1,184 million kWh, equivalent to coal saving of 484,889 tonnes and reduction of approximately 1.43 million tonnes of CO₂ emission.

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#### **Energy Conservation & Emission Reduction (3)**



In 1H 2010, green electricity generated (including on-grid and self consumed) by waste-to-energy and methane-to-energy projects was 228 million kWh which fulfilled demand of approximately 190,000 households. The accumulated green electricity supply reached 1,184 million kWh which fulfilled demand of approximately 987,000 households.

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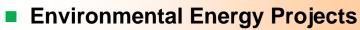
# Environmental Protection Business

- Environmental Energy
- Environmental Water
- Alternative Energy









- Environmental Protection Industrial Parks
  - 12 projects commanding a total investment of RMB4,335,000,000
  - Designed capacity:
    - annual household waste processing capacity of approximately 3.20 million tonnes
    - annual on-grid electricity generation capacity of approximately 900 million kilowatt-hours
    - other solid waste treatment storage capacity of approximately 400,000 m<sup>3</sup>





#### **Environmental Energy Project (1)**

#### **Operating Projects:**

Project	Daily processing capacity / tonne	Total Investment / RMB 'mil
Suzhou Waste-to-energy Project Phase I	1,050	489
Suzhou Waste-to-energy Project Phase II	1,000	450
Yixing Waste-to-energy Project	500	238
Jiangyin Waste-to-energy Project Phase I	800	389
Changzhou Waste-to-energy Project Phase I	800	413
Sub-total	4,150	1,979







#### **Environmental Energy Project (2)**

#### Projects under construction or in preparatory stage:

Project	Daily processing capacity / tonne	Total Investment / RMB 'mil
Jinan Waste-to-energy Project	2,000	901
Zhenjiang Waste-to-energy Project	1,000	414
Jiangyin Waste-to-energy Project Phase II	400	205
Suqian Waste-to-energy Project	600	324
Huidong Waste-to-energy Project	600	334
Sub-total	4,600	2,178



#### **Environmental Energy Project (3)**

#### **Operating Project:**

Project	Processing capacity / m³	Total Investment / RMB 'mil
Suzhou Industrial Solid Waste Landfill Project	200,000 m <sup>3</sup> (Total capacity)	78

#### Project in preparatory stage:

Project	Processing capacity / m³	Total Investment / RMB 'mil
Zhenjiang Industrial Solid Waste Landfill Project	200,000 m <sup>3</sup> (Total capacity)	100
Total for Environmental Energy		4,335



23





#### **Environmental Protection Industrial Park (1)**

Suzhou Everbright National Demonstrative Veinous Industrial Park (>10 projects with an estimated total investment of RMB 3.3 billion)

#### **Operating Projects:**

- Waste-to-energy Phase I & II
- Methane-to-energy Phase I & II
- Industrial solid waste landfill Phase I
- Leachate treatment

# <u>Projects under construction or</u> in preparatory stage:

- Leachate methane-to-energy
- Recycling of kitchen wastes

#### **Projects to be implemented:**

- Waste-to-energy Phase III
- Sludge decontamination
- Environmental protection technology and development research center
- Equipment manufacturing center

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#### **Environmental Protection Industrial Park (2)**

#### **Zhenjiang Everbright Environmental Protection Industrial Park**

(6 - 8 projects with an estimated total investment of RMB 1.5 billion)

#### **Projects under construction:**

- Waste-to-energy
- Photovoltaic energy

#### Projects to be implemented:

- Integrated treatment of kitchen wastes
- Industrial solid waste treatment Integrated treatment of household sludge
  - Integrated treatment of construction wastes
  - Dismantling and recycling of used cars



25





#### **Environmental Protection Industrial Park (3)**

#### Sugian Everbright Environmental Protection Industrial Park

(6 - 8 projects with an estimated total investment of RMB 1.6 billion)

#### **Project under construction:**

- Waste-to-energy

#### **Projects to be implemented:**

- Collection and recycling of used plastic
- Dismantling and recycling electronic wastes and used cars
- Recycling of residue food resources
- Sludge treatment
- Hazardous waste landfill
- Integrated use of incineration residue and construction wastes
- Methane-to-energy and Rooftop Photovoltaic Energy, etc. 26



#### **Environmental Protection Industrial Park (4)**

Changzhou Everbright Environmental Protection Industrial Park (9 projects with an estimated total investment of RMB 1 billion)

#### Operating Project:

#### **Projects to be implemented:**

- Waste-to-energy
- Wind & Photovoltaic energy
- Landfill Methane-to-energy
- Landfill leachate treatment
- Recycling of kitchen wastes
- Intergrated use of slag and construction wastes, etc.



27



#### **Environmental Protection Industrial Park (5)**

Yantai Everbright Environmental Protection Industrial Park (Estimated total investment of HK\$ 3 - 5 billion)

#### Projects to be implemented:

- Wind power
- Waste water treatment, Reusable water
- Waste-to-energy
- Sludge treatment
- Solar energy, Biomass power generation
- Construction waste treatment, etc.



### **Environmental Water**



#### Environmental Water Projects

- 20 projects commanding a total investment of RMB 3.265 billion
- Designed capacity:
   Annual waste water treatment capacity of 570 million m<sup>3</sup>



29



# **Environmental Water (1)**

#### **Operating Projects:**

Project	Daily waste water treatment capacity / m³	Total investment / RMB 'mil
Qingdao Project (including acquisition of Haibohe Plant & Maidao Plant and upgrade project)	220,000	356
Zibo Southern and Northern Plants Project (including acquisition of Southern and Northern Plants and upgrade project)	250,000	354
Zibo Hight-tech Zone Project	100,000	150
Jinan Waste Water Project (including the acquisition of Plant 1 and Plant 2 and upgrade and expansion projects)	500,000	707
Jinan Licheng Project	100,000	138
Sub-total	1,170,000	1,705



## **Environmental Water (2)**

**Operating Projects:** 

	- 1		
	Project	Daily waste water treatment capacity / m³	Total investment
	Zibo Zhoucun Project Phase I	40,000	70
	Binzhou Boxing Project (including acquisition of Phase I, upgrade and extension projects)	60,000	85
	Jiangyin Waste Water Project (including acquisition of 4 waste water treatment plants, upgrade project and acquisition of sewage piping network)	190,000	1,092
	Jinan Xike Project (Plant 4)	30,000	73
	Ling County Plant 2 BOT Project	30,000	58
	Ling County Plant 1 TOT Project	30,000	34
	Sub-total	380,000	1,412
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# **Environmental Water (3)**

#### **Projects under construction:**

Project	Processing capacity	Total Investment / RMB 'mil
Xinyi Project (Phase I)	10,000 m <sup>3</sup> / day	62
Zibo Reusable Water Project (2010)	supply 400 m <sup>3</sup> / hour	55
Jinan Reusable Water Project (2010)	supply 6,000,000 m <sup>3</sup> / year	31
Sub-total	10,000 m <sup>3</sup> / day supply 400 m <sup>3</sup> / hour supply 6,000,000 m <sup>3</sup> / year	148
Total for Environmental Water		3,265



# **Alternative Energy**

- 13 projects, of which 9 individual projects commanding a total investment of RMB909 million
  - Designed capacity annual electricity generation of 375 million kWh, of which
    - 27 million kWh of landfill methane-to-energy
    - 10.5 million kWh of leachate methane-toenergy
    - 7.3 million kWh of sludge methane-to-energy
    - 322 million kWh of biomass power generation and 390,000 tonnes of biomass heat
    - 7.7 million kWh of solar energy

33





#### Alternative Energy (1)

#### **Operating Projects:**

Project	Average annual electricity generation capacity / kWh	Total investment / RMB 'mil
Suzhou Landfill Methane-to-energy Project Phase I	18,000,000	27.94
Suzhou Landfill Methane-to-energy Project Phase II	9,000,000	12.75
Qingdao Sludge Methane-to-energy Project	7,300,000	including investment of Qingdao Project
Yixing Leachate Methane-to-energy Project	630,000	including investment of Yixing Project
Changzhou Leachate Methane-to- energy Project	2,730,000	including Changzhou Project
Jiangyin Leachate Methane-to-energy Project	1,890,000	including Jiangyin Project Phase II
Sub-total	39,550,000	40.69



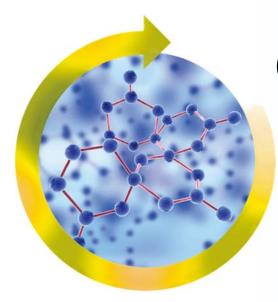
# Alternative Energy (2) Projects under construction or in preparatory stage:

Project	Average annual generation capacity / kWh	Total investment / RMB 'mil
Zibo Waste Water Source Heat Pump Project Phase I	125,000 m <sup>2</sup>	58
Xinyi Straw Cogeneration Project	heat: 390,000 tonnes electricity: 138,000,000 kWh	338
Suzhou Leachate Methane-to-energy Project	5,250,000	8
Dangshan Biomass Power Generation Project	184,000,000	312
Huaining Photovoltaic Energy Project Phase I	2,170,000	50
Shenzhen Rooftop Photovoltaic Energy Project	1,480,000	28
Zhenjiang Photovoltaic Energy Project	4,059,000	74
Sub-total	Heat: 390,000 tonnes Electricity: 334,959,000 kWh 125,000 m²	868
Total for Alternative Energy		908.69

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35





# Construction and **R & D**



#### 10 Major Construction Projects in 2010

Zhenjiang Waste-to-energy Project	Xinyi Straw Cogeneration Project
Huidong Waste-to-energy Project	Dangshan Biomass Power Generation Project
Jinan Waste-to-energy Project	Jinan Xike Waste Water Treatment Project (is now operating)
Jiangyin Waste-to-energy Project Phase II	Xinyi Waste Water Treatment BT Project (Phase I)
Suqian Waste-to-energy Project	Ling County Plant 2 BOT Project (is now operating)





#### 10 Major R&D Topics in 2010

Domestically fabricated grate furnaces and automatic control system for waste-to-energy operation	Sludge treatment technology centre
Photovoltaic energy / wind power technology application	Biomass power generation technology application
Standardization of project design for waste-to-energy projects	Technology application on waste water treatment plants in small to medium cities
Standardization of project design for waste water treatment projects	Technology application on waste-to-energy plants in small to medium cities
Leachate methane-to-energy technology centre	Reusable water technology application

37





Q & A

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39



# **Thank You**