

## **ZhongDe Waste Technology AG**

German Equity Forum, Analyst Conference November 26, 2014



modern waste management

## **ZhongDe at a glance**



### **Key facts**

- Founded in 1996, IPO in 2007 in the Prime Standard segment
- ZhongDe Waste Technology AG designs, constructs, invests and operates energyfrom-waste (efw) plants, which generate electricity from the disposal of solid municipal and industrial (including hazardous) waste
- Focus on Chinese efw-market
- Key business: EPC (Engineering, Procurement and Construction) and BOT (Built Operate and Transfer) projects
- Locations: Frankfurt am Main (Registered office German AG), Beijing (Chinese headquarter), Fuzhou (Production)

#### **Project references**

Xianning, BOT





Zhoukou, BOT



Kunming, BOT



Zhucheng, EPC

## **Update on current energy-from-waste projects**



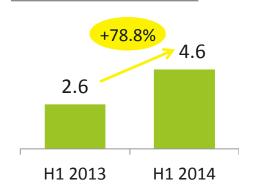
BOT projects	As at 30 September 2014 Percentage of Completion	Date of completion
Zhoukou (500T)	89.8%	2014 -> 2015
Kunming (700T)	79.0%	2015 -> 2016
Xianning (600T)	94.3%	2014 -> 2015
Lanzhou (2,000 T)	2.1%	2018

EPC projects	As at 30 September 2014 Percentage of Completion	Date of completion
Dingzhou (600T)	35.6%	2015
Zhucheng (500T)	69.5% 2015	
Wuhai (1,000T)	Preliminary preparation stage	2017

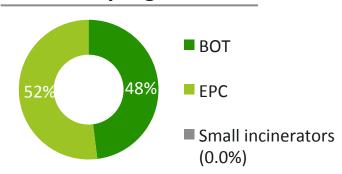
# Financial performance H1 2014: Improved top line could not be reflected in net result



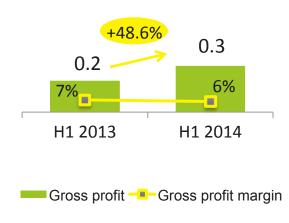




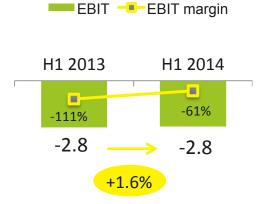
#### Revenue by segment



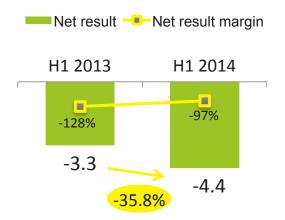
#### **Gross profit** (€ million)



#### **EBIT** (€ million)



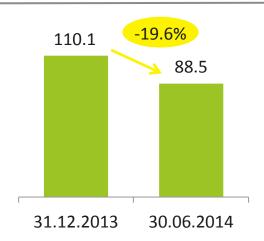
#### **Net result** (€ million)



# Strong cash position and equity ratio ensures flexibility for future investments



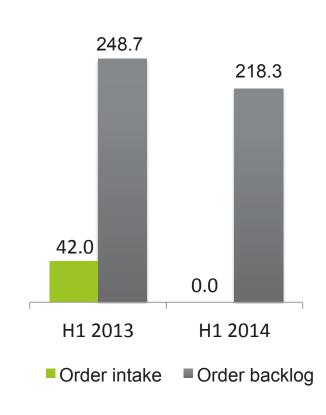
#### **Cash and cash equivalents** (€ million)



## **Equity** (€ million)



#### **Order situation** (€ million)



## ZhongDe's strategic milestones for future growth



- Still growing demand for energy-from-waste plants in China and throughout Asia due to increasing industrialization and urbanization
- Clear focus on improved construction progress and professional project management of large-size energy-from-waste projects
- Completion of two BOT projects (Zhoukou, Xianning) postponed from 2014 to 2015 according to current planning, since it has become apparent during the trial-run phases that additional adjustment works are needed due to new government requirements
- EPC projects Dingzhou and Zhuncheng are expected to be completed in 2015
- Management Board evaluates all opportunities favorable to the group on a regular basis, which refer to the acquisition of new BOT or EPC contracts as well as to the potential sale of several or all BOT projects
- <u>Financial guidance 2014</u>: Although 2014 remains a transition period, a growth in revenues, improved operating results although still leading to a loss and a stabilized cash position are expected by the Management Board for the full year.



Thank you very much for your attention, we are looking forward to your questions!



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## **APPENDIX**

## ZhongDe's business model



### Design and development of energy-from-waste process solutions

Feasibility & Design/Engineering

**Construction & Project Management** 

After Sales & Services

**Operation** 

EPC\* projects ("Turnkey projects")

#### BOT\*\* and BOO\*\*\* projects

- Analysing the environmental conditions (e.g. climate, humidity)
- Evaluating the kinds and characteristics of waste
- Customizing the waste-to-energy plant according to the customer's needs (i.e. available capacity)

- General contractor
- Sourcing of parts
- Management of sub-contractors
- Inspection of purchased equipment and materials
- Construction and assembly
- Quality control
- Time and budget control
- Delivery
- Performance testing

- Training of customer staff
- Maintenance services
- Spare parts
- Repair services

- Provision of waste-toenergy services (generation of waste-disposal fees)
- Monitoring of harmful flue gas disposal (i.e. dioxins, acid gases and nitrogen oxides)
- Sale of energy (electricity, steam, hot water) and byproducts (bricks)

1-2 months

2-24 months

ongoing

<sup>20-30</sup> years

<sup>\*</sup> Engineering-Procurement-Construction

<sup>\*\*</sup>Build-Operate-Transfer

<sup>\*\*\*</sup>Build-Operate-Own

## Datong serves as "Green Plant Model" in China







## Key data:

- → EPC project, reference example
- → Start of operation: November 2009
- → Annual waste disposal capacity: 360,000 tons
- → Annual generation of electricity: 220 million KWh

## **Projects under construction (Xianning BOT)**





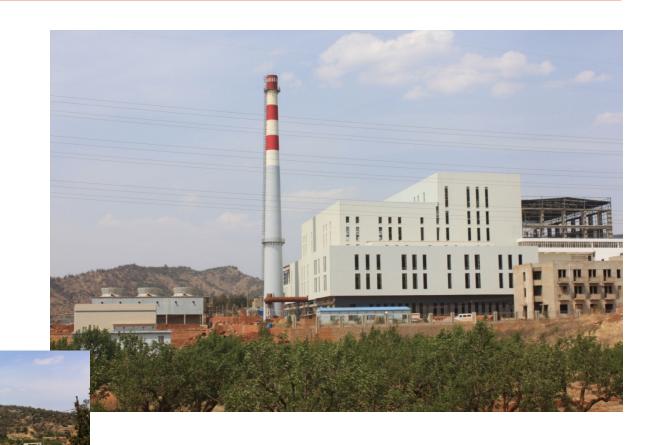
## **Projects under construction (Zhoukou BOT)**





# **Projects under construction (Kunming BOT)**





# **Projects under construction (Zhucheng EPC)**





## Financial calendar and IR contact



Coming IR events*		
November 28, 2014	Publication of Q3/9M report	
April 29, 2015	Annual Report 2014	
May 28, 2015	Publication of Q1 report	
June 26, 2015	Annual General Meeting	
August 28, 2015	Publication of half-year report	
November 2015	German Equity Forum, Frankfurt/ Main	
November 27, 2015	Publication of 9M/Q3 report	

#### **ZhongDe Waste Technology AG**

William Wang (CFO)

Email: william.jw@zhongdetech.com

#### **Kirchhoff Consult AG**

Nicole Schüttforth, Senior Consultant

**T.:** +49 40 60 91 86 0

**F.:** +49 40 60 91 86 60

Email: <u>nicole.schuettforth@kirchhoff.de</u>

**Investor Relations contact** 

<sup>\*</sup> All dates are provisional and may be subject to change

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