



**Asia-Pacific
Economic Cooperation**

2011/SOM2/CTI/SEM/004rev1

Experience and Practice of Dissemination of Environmental Technologies

Submitted by: Sound Global



**Seminar on Dissemination of
Environmental Technologies
Big Sky, United States
11 May 2011**



Experience on Dissemination of Environmental Technologies

Wei Wei
13671001930@139.com
Big Sky, Montana, May 11, 2011



The footer of the title slide features the Sound Global logo on the left, followed by a series of six square icons: a water droplet, a water splash, a water droplet on a surface, a circular water pattern, a globe, and another globe. The entire slide has a blue gradient background.



Contents

-  The Development of Chinese Environmental Industry
-  About Sound Group
-  The Implementation of Technologies Dissemination at Sound
-  What Matters Dissemination
-  Can We Expect



The contents slide features a light blue background with a large, faint, stylized 'S' shape. The footer includes a water splash graphic.




The development of Chinese Environmental Industry

-  Growing up with the economic development
-  From “disposal of 3W” to integrated industrial system
-  The immense development during “12th Five-Year” Planning



The milestones of Sound Group







1993- Industrial wastewater treatment

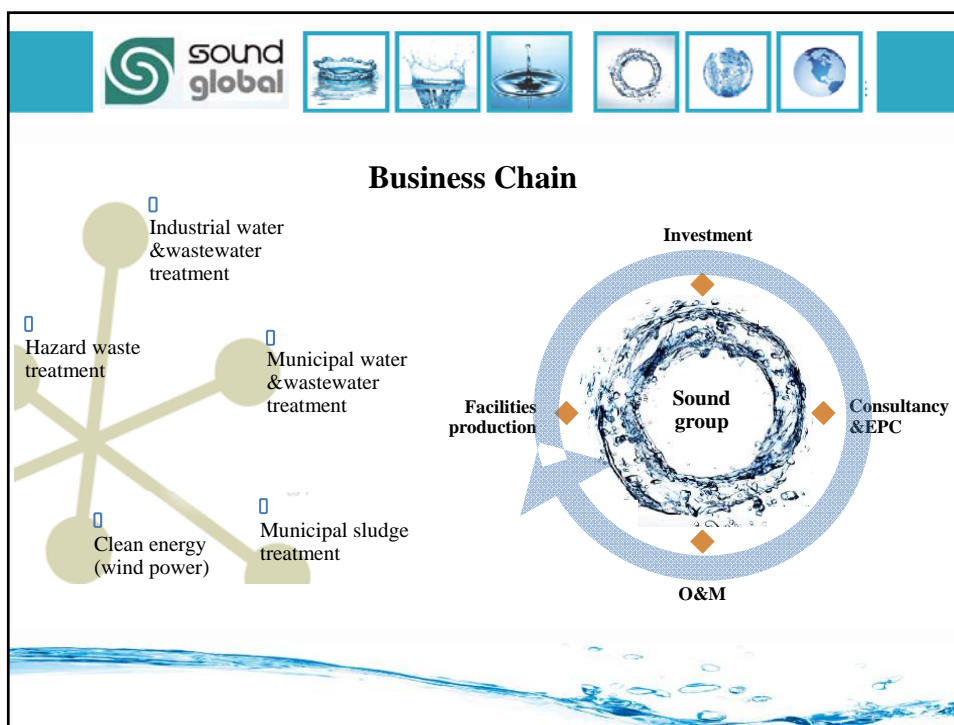
1999 First BOT Project

2000 Hi-standard equipment plant

2002 Eguard waste management

2006 Epure, IFC Clean Energy

2008 manufacture base
2009 Saudi project;
2010 3R Park
2011 Bangladesh project
... ..












R&D

Academic Cooperation

- Lanzhou Transportation University
- Tongji University
- Zhongguancun Postdoctoral station


International Cooperation



- Harvard Business School
- MIT Sloan School of Business
- Denver University
- Environmental Officer Training program

Sound Technology Center

- 8 Patents in 2010
- 31 Patents from 1993-2010

















Hi-standard water equipment company



Top 10 environmental equipment supplier since 2004





海斯顿
国际










Industrial Wastewater Treatment



北京纺织公司废水处理项目



孝义市金辉煤焦有限公司焦化废水项目



双鹤药业废水处理项目












Municipal Water Supply Treatment



浙江湖州南浔镇污水处理厂



江苏溧阳门东镇污水处理厂



湖北宜昌三峡库区污水处理厂



浙江湖州南浔镇污水处理厂












Municipal Wastewater Treatment



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project












Waste Treatment Project




珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project










珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project






珠海横琴岛污水处理厂项目
Zhuhai Hengqin Island Wastewater Treatment Project



















Case Study of Technology Dissemination

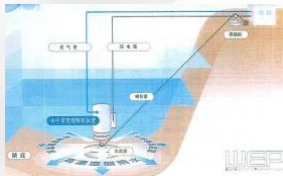
-  Water Environment Preservation Equipment (Receiver)
-  Asuwei Integrated Waste Treatment Project (Receiver & Disseminator)
-  Indonesia PPP Water Supply Project (Disseminator)



Technical Patent Licensed from Japan


Water Environment Preservation Equipment



Function:

- To ease the eutrophication caused by insufficient oxygen dissolution
- Restore natural purification capabilities of the water

- Technical License agreement with Japan
 - Built up a JV company
 - lower the price









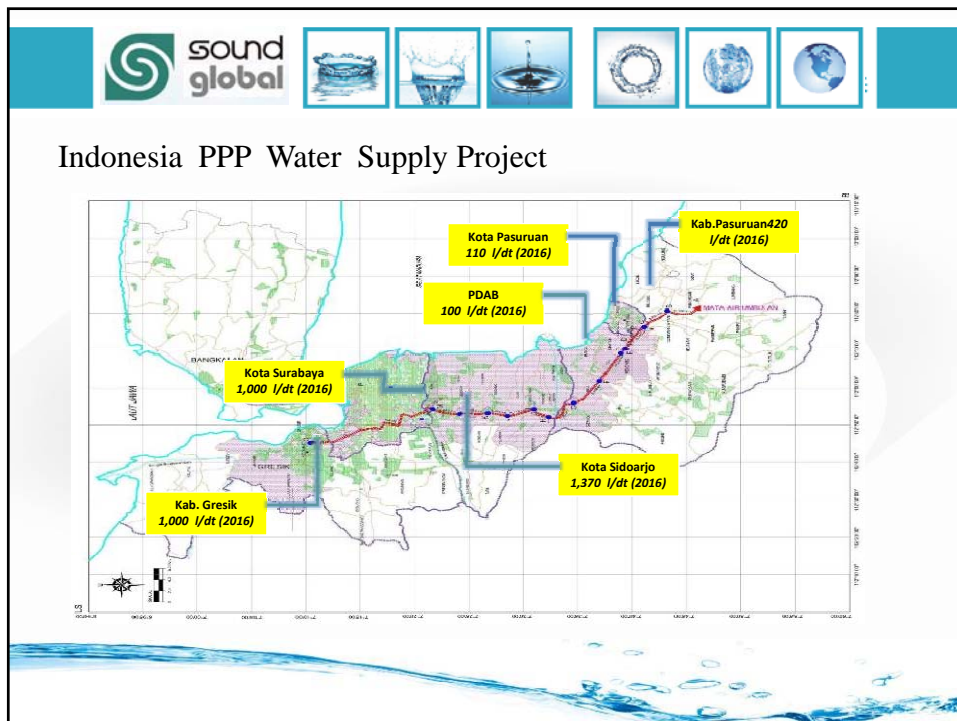



Asuwei Household Waste Integrated Treatment Plant

“ technology receiver and disseminator ”




- Completed in 2008
- Potential technology transfer in Philippines & Indonesia
- Canadian reference process
- Canadian aerators and material spreaders
- American rotary kiln technology
- German density separator





What Matters Dissemination

-  Stringent Technical Standards and Specifications
 - Example: Sewage treatment project Saudi Arabia in 2009
-  Blocking Limitation of New Technologies Transfer
 - Example: Looking for ultrafiltration membrane technology
-  Expensive Technology Transfer Fee
 - Example: Manufacturing technology of evaporation device
-  Lack of information, human and financial resources...





Can We Expect...




```
graph TD; APEC((APEC)) <--> IS((Information Sharing)); APEC <--> FS((Financial Support)); APEC <--> FE((Friendly Environmental)); APEC <--> PC((Policy Cooperation)); APEC <--> CB((Capacity Building));
```





Can We Expect A better information Mechanism?

- Information and experience sharing among APEC
- Improve the interactions between public institutions and private sectors need
- The specific needs of private sectors





Can We Expect Financing Support?

- Special taxation regulation : local and international
- Special-purpose loan
- Grant Special Insurance allowance












 **Can We Expect Capacity Building**


- Training program
- Site visiting among APEC
- Exhibition












 **Can We Expect Policy Cooperation**

- Formulate the policy ,listening the voice from market
- Conduct guidelines on technologies transfer and risk assessment
- Promote Chinese standard and specification



