Seminar on Municipal Solid Waste Management in Thailand - Challenges and Opportunities

Long-term Waste Management Master Plan for Local Governments





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- **1. Company Profile**
- 2. Procedure of MSW Facility Development in Japan & Thailand
- 3. Contents of Waste Management Master Plan for LGs
- 4. Conclusion



Full Name	Eight-Japan Engineering Consultants Inc.
Foundation	Founded in 1955
Number of Employees	922 (as of July 14 th , 2019)

- \checkmark 50 years of experience in the waste management
- ✓ Plan Design Procurement Advisory SV for
- ✓ WTE, Sanitary Landfill, Leachate treatment facility etc.
- ✓ In last 5 years (2013-2017), total 235 contracts with USD30M sales for WTE related projects



EIGHT-JAPAN ENGINEERING CONSULTANTS INC.





1. Company Profile





2. Procedure of MSW Facility Development in Japan & Thailand





*MSW (Municipal Solid Waste) Management



[Purpose of Long-term Waste Management Master Plan]

- To plan when, how big, and what type of treatment facilities in long-term
- To plan most suitable comprehensive waste management system for the LG (not limited to WtE (Incineration), including other treatment method)



Possible for long-term development planning of multiple facilities



For Treatment method

(1) Summarization of current waste management flow









For Capacity & timing of installation

(1) Historical data collection & future projection of waste amount





Y2019: 500t/day (Current)

Cluster





Y2025: 700t/day

Cluster









Y2030: 1,000t/day

Cluster





Y2030: 1,000t/day

Cluster





[Image of Long-term facility development schedule]







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[Image of Long-term facility development schedule]



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[Image of Long-term facility development schedule]





[Example of Master Plan]

Yokohama city MSW Master Plan (Period: 2002 to 2010)

[Waste reduction target]



[Separation plan]



[Implementation for achieve of the Plan]

Publicity and explanation to Citizens

- Separation briefing session : About 11,000 times
- Educational campaign in front of train stations : About 600 times
- Early morning education in collection point : About 3,300 times (FY2004 & 2005)
- Garbage left behind due to nonseparation : About 10,900 times/day (FY2009)



Separation briefing



Early morning instruction

EIGHT-JAPAN ENGINEERING CONSULTANTS INC. https://www.city.yokohama.lg.jp/city-info/yokohamashi/org/shigen/sonota/hoshin/3r-plan/plan.html



[Following New Plan]

Yokohama city MSW Master Plan (Period: 2010 to 2025)





kohama 3R Dream Plan ed on the "Yokohama G30 an." Although the G30 Plan ation of garbag generation control) and its impact on the environ and ensure the environment's richness for posterity. We will avor to establish a society comprising of citizens an nies where children have dreams for the future



Waste reduction & GHG reduction Target plan



https://www.city.yokohama.lg.jp/city-

info/vokohamashi/org/shigen/sonota/hoshin/3r-plan/plan.html

2011.01

2020/1/10

4. Conclusion







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