

Kanadevia

Technology for people and planet

Waste Treatment Business

Incinerator Pioneer

In 1965, Kanadevia Corporation built the first waste incineration plant with a power generation facility in Japan. Kanadevia group have developed the technologies for more than 60 years and have delivered over 900 waste incineration facilities all over the world, and made great contribution to the social development.

With the rich experience that we have accumulated so far, trustworthy technologies, IoT • Big Data, AI and other advanced information technologies, we will keep innovating in order to provide the next generation technology for waste treatment facilities which meet the needs of the times.



Suginami Incineration Plant/ Grate type Incinerator

- 1881** E. H. Hunter, of Ireland, founded Osaka Iron works (proprietorship) on the Ajikawa riverbank, Osaka
- 1943** The name is changed to Hitachi Zosen Corporation.
- 1960** A technological tie-up is concluded with Von Roll Environmental Technology Ltd. of Switzerland for a De Roll-type waste incineration plant
- 1965** A De Roll-type waste incineration plant is completed for the municipal government of Osaka (the first mechanical incineration plant with power generation facility manufactured in Japan).
- 1983** Received the first order for waste to energy plant project in South Korea (Project Location: Seoul, South Korea)
- 1991** Received an order for the first plant of Higashi-Saitama Resources and Environment Association, which pioneered high-temperature, high-pressure and high-efficiency power generation (Hitachi Zosen won the MITI (now METI) Minister prize for excellent environmental equipment in 1996)
- 1993** Received the first order for waste to energy plant project in Taiwan (Waste throughput capacity: 1,800t/day, our largest treatment capacity project at that time) (Location: Taipei, Taiwan)
- 1994** Received the first order of waste to energy plant for Gunma Prefecture Enterprises Bureau (Hitachi Zosen won New Energy Foundation Chairman' s Award in 1997.)
- 1995** Delivered the first burner type ash melting furnace (Abiko-City); Receive the first order for plasma type ash melting furnace (Kamoeisei Sanitation Facilities Cooperative)
- 1996** Received the first order for fluidized bed waste incineration plant (Location: Ryōtsu-City, Japan)
- 2000** Received the first order for the fluidized bed type gasification and melting furnace (Location: Sakurai-City, Japan)
- 2001** Achieved 8000 hours continuous operation the first in the world at three waste incineration plants in Taiwan
- 2003** Prior to nationwide, concluded a contract for an intermediate (incineration) treatment business for MSW under the PFI legislation (Odate-City)
- 2009** Received an order for the waste to energy plant project as DBO contract (Location: Matsuyama-City, Japan)
- 2010** Acquired AE&E Inova AG (former Von Roll Inova) as the wholly-owned subsidiary of Hitachi Zosen Corporation (current name: Hitachi Zosen Inova AG).
- 2013** Received the first order for Kompogas system (dry type biogas plant) (Location: Kyoto-City, Japan)

Waste incineration facilities with the advanced technologies and leading the world



Kanadevia Inova type Grate incineration facilities

Kanadevia Inova type Grate incineration facilities are designed with refined form, harmonized with the regional environment as a part of landscape. Its pollution control function and waste heat utilization practically protect the nature and lives of local community.

Kanadevia is actively promoting the automation and energy saving of the optimal waste combustion control system and relevant equipment, etc., and keeps improving the waste treatment technologies. Furthermore, by improving and optimizing of flue gas treatment, wastewater treatment and other pollution control technologies, a safe and clean environment for the community can be provided.

Kanadevia Inova-type grate incinerator

- ✓ Harmonize with the regional environment by adopting refined forms
- ✓ High-level pollution control function
- ✓ Effective use of waste heat considering the environment



Suginami Incineration Plant/Appearance

