

Kanadevia Inova and partners sign landmark concession & energy off-take agreements for integrated Waste to Energy project in Casablanca

Casablanca, Morocco – Kanadevia Inova, together with its partners Nareva and Itochu, has reached a major milestone with the signing of the concession agreement for the Casablanca Solid Waste Treatment and Valorization Project with the Municipality of Casablanca, and with the signing of electricity off-take agreements with SRM Casablanca-Settat and ONEE. The project represents a significant step forward for sustainable waste management in Morocco and marks Kanadevia Inova's entry into the African's waste-to-energy market.

Key contractual steps, including the limited notice to proceed (LNTP) and the preparation of engineering, procurement and construction (EPC) activities, are now being advanced. Developed by an international and local consortium, the project will transform municipal solid waste management in Greater Casablanca, serving more than 4.2 million inhabitants, by combining waste treatment, landfill management and renewable energy generation.

The 33.5-year concession provides for the exclusive treatment of Casablanca's municipal waste. The WtE facility will process approximately 1.5 million tonnes annually, increasing waste valorisation rates to around 80% and significantly reducing landfill reliance.

The facility will have an installed capacity of approximately 126 MWe of baseload electricity, complemented by 50 MWp of solar PV and 4 MW of landfill biogas recovery, resulting in total annual electricity production of around 1 TWh. This will supply nearly one million inhabitants and support Morocco's energy transition amid rising electricity demand of around 3% annually through 2030.

Together with Nareva, the project's lead investor and Moroccan partner, and Itochu, the consortium combines international technical expertise, investment strength and local execution capabilities to deliver Morocco's first integrated Waste-to-Energy infrastructure.

For this project, Kanadevia Inova is responsible for EPC, operations support and long-term maintenance as well as financing of the facility.

Transitioning from landfill to energy recovery

Located next to the Mediouna Landfill, one of Africa's largest methane-emitting sites, the project will significantly reduce greenhouse gas emissions by shifting from landfill to energy recovery. Studies by organisations such as the IPCC and the European Commission show that diverting waste from landfill to WtE can avoid approximately 0.5–1.0 tonnes of CO₂-equivalent emissions per tonne of waste through methane avoidance, energy generation and material recovery.

Beyond environmental, public health and land saving benefits, the project will support local economic development, creating around 140 skilled operational jobs and significant employment during construction, with approximately 1,240 workers over 3.5 years, plus an additional 300 jobs for related infrastructure.

Proven technology for sustainable waste management

The plant will feature advanced technologies, including three ultra-large combustion lines, Inova Grate, Autaro™ combustion control, SNCR DeNOx and state-of-the-art flue gas cleaning systems, alongside a steam turbine generator. Emissions will comply with EU Industrial Emissions Directive (IED) and Best Available Techniques (BAT) standards, ensuring levels remain well below regulatory thresholds.

The facility is also designed to enable future carbon capture integration, offering potential to further reduce CO₂ emissions and align with long-term decarbonisation pathways.

Bruno-Frédéric Baudouin, CEO of Kanadevia Inova, commented: "This project marks a significant milestone in Kanadevia Inova's international growth strategy and our commitment to delivering sustainable waste management solutions worldwide. Entering the African market with a project of this scale and ambition reflects both the strength and affordability of our technology and the trust placed in us by our partners. We are proud to contribute to Morocco's environmental and energy transition while supporting the development of resilient, circular infrastructure."

Fabio Dinale, Executive Vice President of Business Development at Kanadevia Inova, added: "The Casablanca Waste to Energy facility will allow Morocco to make a clear commitment to move away from methane-causing landfill practices. We look forward to working alongside our clients to build and operate an iconic piece of waste infrastructure that will help combat climate change and that future generations can be proud of."

By combining proven waste-to-energy technology with future carbon capture potential, the project demonstrates how integrated solutions can deliver both immediate and long-term climate benefits.

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Plant Image:



Visualisation of the future Casablanca Waste to Energy plant, designed to process up to 1.5 million tonnes of municipal solid waste annually while generating reliable, low-carbon electricity.



Artist's impression of the Casablanca integrated Waste to Energy facility, combining waste treatment, renewable energy generation, and landfill management infrastructure.

About Kanadevia Inova

Kanadevia Inova, formerly Hitachi Zosen Inova, is a global green-tech leader that pioneers innovative solutions for the energy transition, the circular economy and decarbonisation.

Headquartered in Zurich and employing over 3,500 people in 17 countries, Kanadevia Inova specialises in Waste to X (WtX) and Renewable Gas (RG), delivering turnkey plants and system solutions that transform waste and biogenic residues into valuable resources.

As part of Kanadevia Corporation, our mission is to bring long-term value to society and contribute to a future free of wasted waste. We take a holistic approach – from project development, engineering, procurement and construction (EPC) to service throughout a plant's life cycle. By integrating advanced technology and continuous research and development, we ensure that each project is designed to achieve optimal performance.

With more than 2,000 executed projects completed globally, our team delivers innovative, customer-centric solutions to both established market leaders and partners in emerging markets.

Find out more about our company at www.kanadevia-inova.com.

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