

IFC: A Solution Provider for Sustainable Waste Management

Two billion people lack access to basic municipal solid waste collection services. More than 90 percent of waste in low-income countries continues to be burned or openly dumped. Society's most vulnerable are paying a high price: injury, illness, and loss of life from working in unsafe waste-picking conditions. The environment is also paying a high price, with our oceans choking on plastic waste, valuable land being contaminated by uncontrolled leachate, and methane from landfills and dumpsites adding to significant greenhouse gas emissions.



75%

of plastic waste is either mismanaged or ends up in landfills (World Bank)

5%

of global emissions is estimated to come from the treatment and disposal of waste (World Bank)

Up to **12.9m**

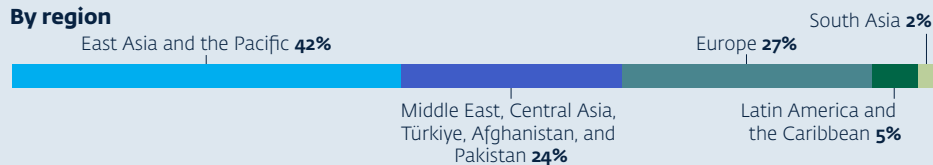
women may be at risk from exposure to toxic e-waste through their work in the informal waste sector (WHO)

The seriousness of the situation, exacerbated by surging global waste generation, makes the development of sustainable waste management and circular economy opportunities more important than ever. IFC works with clients in emerging markets to build, scale, and grow innovative, market-oriented, long-term solutions to waste infrastructure challenges.

Waste portfolio

IFC has a long track record and a global reach, with more than \$1.4 billion in waste sector commitments.

By region



Our approach

Collaborating closely across teams within the World Bank Group, IFC engages with **cities and private players** in emerging markets to explore potential opportunities through **the entire value chain** in the solid waste management sector. Through our offering of **investment and advisory services, access to blended finance, guarantees, and in-house expertise**, we work to provide a complete solution for all our clients.

The IFC Circularity Plus Platform

IFC created the Circularity Plus platform to accelerate the development of sustainable waste solutions that reduce the climate impacts of cities and private sector waste generators. The program provides advisory support to waste management companies and municipal governments committed to developing projects with a focus on circularity.

About IFC

- Largest multilateral source of debt and equity financing for the private sector in developing countries
- AAA-rated by S&P and Moody's
- Loans, equity, quasi-equity, local currency and risk management products, capital markets access, and mobilization
- Advisory services to help develop priority projects, structure and tender PPPs, and improve financial management
- World-class social, environmental, and corporate governance standards and risk mitigation
- Unrivaled expertise in structuring financial instruments such as sustainability-linked, green, and blue bonds and loan, as well as mobilizing blended finance

IFC's Waste Management Business: A Circular, Whole-Value-Chain Approach



Selected IFC waste management projects

TRANSACTIONS

<p>Brazil</p>  <p>Orizon</p> <p>\$27 million</p> <p>Sustainability linked loan</p> <p>2023</p> <p>Sanitary landfill & recycling</p>	<p>Poland</p>  <p>Elemental</p> <p>\$90 million</p> <p>Equity</p> <p>2022</p> <p>E-waste</p>	<p>China</p>  <p>BGE</p> <p>Invest 1: \$87 million Invest 2: \$57 million</p> <p>Bond/loan</p> <p>2022, 2019</p> <p>Waste to energy</p>	<p>Middle East/Africa</p>  <p>Averda</p> <p>\$30 million</p> <p>Loan</p> <p>2022</p> <p>Multi-material recycling</p>	<p>China</p>  <p>New CWI</p> <p>\$50 million</p> <p>Equity</p> <p>2022</p> <p>Landfill gas to energy</p>
<p>Vietnam</p>  <p>Bac Ninh</p> <p>\$30 million</p> <p>Loan</p> <p>2022</p> <p>Waste to energy</p>	<p>China/Indonesia</p>  <p>Alba Asia</p> <p>Tranche 1: \$60 million Tranche 2: \$40 million</p> <p>Loan/equity</p> <p>2022, 2020</p> <p>Hazardous waste and bio-waste</p>	<p>Thailand</p>  <p>Indorama</p> <p>\$300 million</p> <p>Blue loan</p> <p>2020</p> <p>Plastic recycling</p>	<p>Serbia</p>  <p>Belgrade</p> <p>\$178 million</p> <p>Loan</p> <p>2019</p> <p>Waste to energy</p>	<p>China</p>  <p>Canvest</p> <p>Invest 1: \$60 million Invest 2: \$180 million</p> <p>Loan, equity</p> <p>2018, 2016</p> <p>Waste to energy</p>
<p>China</p>  <p>C&G</p> <p>\$5 million</p> <p>Equity</p> <p>2015</p> <p>Waste to energy</p>	<p>China</p>  <p>Aihuishou</p> <p>\$5 million</p> <p>Equity</p> <p>2014</p> <p>E-waste</p>	<p>Brazil</p>  <p>Estre Ambiental</p> <p>\$24.4 million</p> <p>Loan/quasi-equity</p> <p>2009</p> <p>Sanitary landfill</p>	<p>Mexico</p>  <p>Petstar</p> <p>\$24.5 million</p> <p>Loans</p> <p>2007</p> <p>Plastic recycling</p>	<p>China</p>  <p>China Green</p> <p>\$20 million</p> <p>Loan/equity</p> <p>2004</p> <p>Waste to energy</p>

ADVISORY

<p>Brazil, Ecuador, Mexico</p>  <p>Feasibility study for the deployment of bioconversion technology to process organic waste</p>	<p>Poland</p>  <p>Preparation of the company's carbon projects for issuance of carbon credits</p>	<p>India</p>  <p>Advisory support for structuring model concession agreements and solid waste action plans</p>	<p>Argentina, Colombia, Türkiye</p> <p>City of Buenos Aires City of Bogotá Empresas Públicas de Medellín Municipality of Izmir</p> <p>Pre-feasibility study and advisory, solid waste management, treatment and disposal</p>	<p>Serbia</p> <p>City of Belgrade</p> <p>PPP advisory, waste-to-energy and landfill remediation</p>
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IFC waste contacts

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