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Neo San deploys new technology for sanitary and biomedical waste management in Bengaluru

27 May 2026 | News

Neo San will install futuristic smart-bins, Neo-X, across Bengaluru over the next few months



Neo San, a Bengaluru-based clean-technology startup that develops a range of highly efficient, on-site thermal waste-processors, has been awarded for their patented innovation by UpLink, the early-stage innovation engine of the World Economic Forum (WEF).

In collaboration with the Government of Karnataka, the programme aims to address the various challenges in growing cities, and Neo San has been selected as a strategic partner to deploy its solutions across Bengaluru to manage reject-waste on-site, at various facilities.

Launching soon under the name 'SafeDispose Bengaluru', this solution will bring certified, on-site sanitary and biomedical waste-processing to government and private institutions across the city, taking away one of the most challenging aspects of waste management.

A grant provided to Neo San will fund the deployment of Neo-X units that safely treat sanitary and biomedical waste at the point of waste generation. The units will be deployed phase-wise, at various institutions; colleges, schools, primary health centres, women's hostels, government housing and other official buildings around Bengaluru, reaching over 5,000 women. This will also dignify waste collectors on-ground, who are often left sorting through such waste with their hands.

Every Neo-X unit has real-time IoT monitoring of each cycle run and every kilo processed, thereby creating robust data for urban planning for the city. The SafeDispose Bengaluru initiative is aimed at eliminating open burning and manual waste handling at all these sites, conducting source segregation workshops, and generating India's first field-verified compliance data under the Solid Waste Management Rules 2026 — creating a replicable template for institutional rollout across Karnataka and beyond. Karnataka State Pollution Control Board has reviewed and validated the technology for deployment across the city.

With more than 200+ machines deployed across India under managed service contracts — including at organisations such as SAP India, Taj Hotels, Airtel, Royal Enfield, RMZ, Embassy Group and others, Neo San is now expanding its presence across government and institutional infrastructures.