

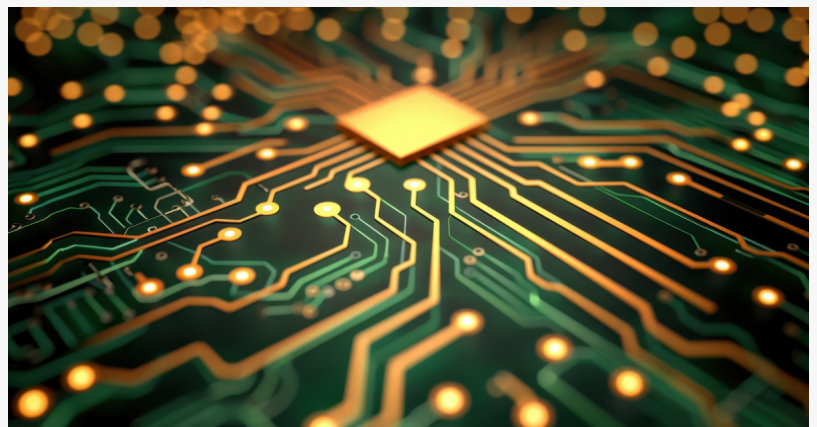
Grunber Market Analysis Links Rising E-Waste Volumes to Windows 10 End-of-Life and AI Hardware Adoption

Logistics platform Grunber warns the AI PC shift and Windows 10's end are fueling an electronics surplus, intensifying the holiday waste surge.

MIAMI, FL, UNITED STATES, December 22, 2025 /EINPresswire.com/ --

Grunber, a technology-driven [junk removal and logistics platform](#) specializing in the gig economy, has released a new market analysis projecting a significant deviation in

waste management trends for the Q4 2025 holiday season. The report identifies a structural shift in the composition of residential waste, driven by the mass retirement of personal computers incompatible with new Artificial Intelligence (AI) hardware standards and the recent end of support for Windows 10.



“

We're seeing a logistics bottleneck as AI renders functional devices obsolete. Without First Mile recovery, these high-value items will end up in landfills instead of being recycled for minerals.”

Leonardo Vargas, Director of Sales at Grunber

Historical data from the U.S. Environmental Protection Agency (EPA) indicates that household waste generation typically increases by approximately [25% between Thanksgiving and New Year's Day](#). However, Grunber's analysis suggests the 2025 season presents a unique anomaly termed the "Silicon Tsunami." This phenomenon is characterized by the disposal of fully functional devices that have been rendered technologically obsolete due to software and hardware incompatibility rather than mechanical failure.

Drivers of Accelerated Obsolescence

The report highlights two primary market forces accelerating this trend:

1. The "AI PC" Hardware Shift: Market projections cited in the analysis indicate that shipments of

"AI PCs", that are computers equipped with Neural Processing Units (NPUs) required for local generative AI tasks, were expected to reach approximately 78 million units in 2025, capturing roughly 31% of the total PC market. This hardware requirement prevents older, non-NPU devices from running next-generation software features, prompting premature replacement.

2. Windows 10 End of Support (EOS): The cessation of support for the Windows 10 operating system in October 2025 has affected millions of devices lacking the Trusted Platform Module (TPM) 2.0 security chips required for upgrades. Industry estimates suggest this transition places up to 240 million PCs globally at risk of disposal.

Logistics and Environmental Implications

According to the U.S. Geological Survey's 2025 List of Critical Minerals, electronic waste contains strategic materials such as Gallium and rare earth elements. Global monitoring data estimates that while humanity generates approximately 62 million tonnes of e-waste annually, less than 22.3% is documented as formally collected and recycled. This discrepancy results in an estimated loss of \$62 billion to \$91 billion in recoverable natural resources per year.

Addressing the "Say-Do" Gap

The Grunber report also addresses the "Say-Do" gap in consumer sustainability. While 77% of U.S. consumers express an intention to recycle, actual material recovery rates remain lower due to logistical barriers. The report concludes that accessible, on-demand removal services are essential to bridge this gap, preventing "wish-cycling" and illegal dumping, which contributes to methane emissions in landfills.

About Grunber

Grunber is a technology-first junk removal company and logistics platform connecting residential and commercial clients with a network of independent drivers for on-demand removal services. Headquartered in Boston, the company focuses on modernizing the "first mile" of waste collection to support the circular economy and reduce illegal dumping through efficient, transparent operations.

Grunber Team

Grunber LLC

+1 617-800-6746

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Instagram](#)

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