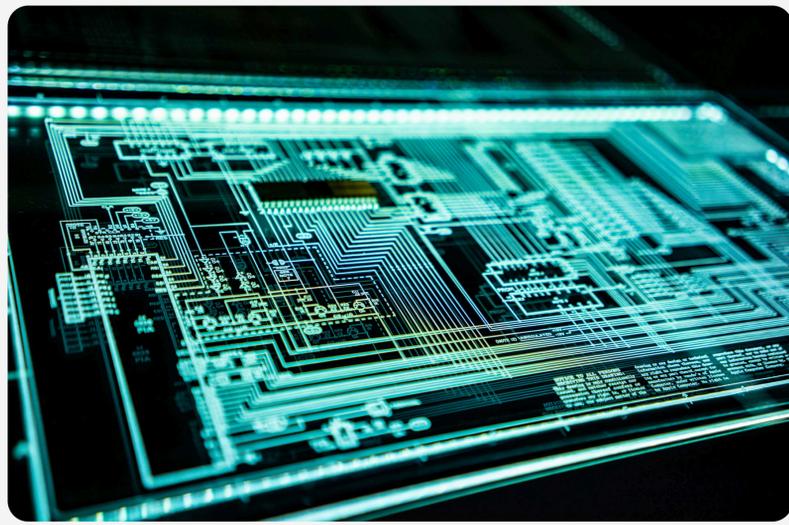# greenly

Data, Hardware & Tech Manufacturing

This sub-sector covers hardware production, semiconductors, and data storage devices. Manufacturing IT hardware requires intensive energy and raw materials, leading to high Scope 3 emissions and significant waste generation.

Key Sustainability Challenges

→ High Scope 3 emissions, particularly in hardware production and cloud-based services

→ Energy-intensive data centers consuming up to 4% of global electricity

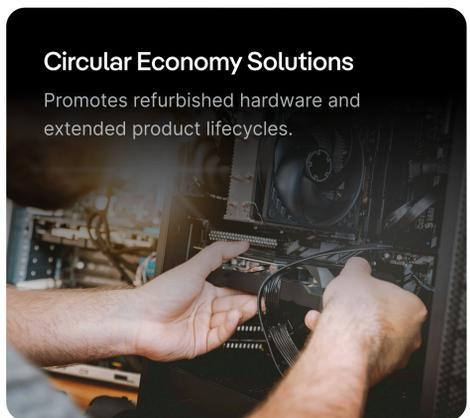→ E-waste and supply chain emissions creating additional sustainability concerns

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Greenly's Role

Lifecycle Assessments
Identifies emission hotspots from production to disposal.

Impact per Product
Other
Electric Table
Freight Lift
Top impactful Products decomposition
10.0k

Supply Chain Decarbonization
Supports sustainable procurement and energy-efficient hardware manufacturing.

94 tCO2e

Circular Economy Solutions
Promotes refurbished hardware and extended product lifecycles.

Unlock the Full Guide: Tech Industry & Sustainability 🌍💻

The tech sector's carbon footprint is growing—but with the right tools, companies can measure, manage, and reduce emissions effectively.

Discover key sustainability challenges across software, hardware, and IT services.

Learn how Greenly's automated carbon tracking and reduction strategies drive impact.

Explore real-world case studies showcasing measurable emissions reductions.

Ready to future-proof your company?

[Read the full guide now]

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Global Emissions
The Scale and Sources of Emissions
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The Hidden Emissions of Tech
A Guide to Greener Innovation