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PC Procurement for Sustainability

Over the last several years, sustainability has emerged as a major corporate priority—shaping everything from R&D programs to manufacturing and distribution processes.

Enterprise IT organizations are clearly positioned to play a pivotal role in hitting their companies' sustainability goals. A 2021 survey of IT decision makers (ITDMs), conducted by Forrester Research and commissioned by Intel®, found that 64% were making sustainability programs a high or critical priority.¹ Further, more than half of the ITDMs surveyed agreed that their organizations' end-user device purchasers would play a vital role in meeting sustainability goals.²

At Intel, we're committed to sustainable practices in everything from our materials sourcing and manufacturing to our

processor architecture and our work with OEMs to help push the envelope on power and performance.

One of Intel's most important sustainability success stories just may be systems powered by Intel vPro®, an Intel® Evo™ Design. This is where Intel's sustainability efforts are resonating with ITDMs whose PC purchasing decisions need to deliver on sustainability as well as security and productivity.

Let's look at why these systems have become such a valuable resource for IT departments tasked with supporting an organization's broader sustainability goals.



The Intel vPro Sustainability Story: Something for Everyone

A modern PC platform walks a fine line. It needs to lighten the load for IT departments dealing with rapid growth and increasing complexity. But it must also meet users' expectations for performance, ease of use, and functionality.

Intel vPro, an Intel Evo Design, offers something for everyone. IT departments depend on it to deliver an integrated set of performance, security, manageability, and stability capabilities that allow for simpler, smarter, less costly PC management. At the same time, Intel vPro systems give employees the experience they want but rarely get from their work devices: lightweight, sleek, and responsive; and tuned for performance without sacrificing flexibility.

There's one area, however, where IT departments and employees agree: They want a PC platform that "walks the walk" on sustainability and reduces the impact on the environment. For IT, sustainability has moved front and center as a strategic focus for PC procurement. And for employees, there's a growing consensus around holding their companies accountable for making and keeping sustainability commitments.



Walking the Walk: Intel vPro EPEAT Certification

Like other leading PC technology vendors, Intel participates in industry-standard certification programs like Global Electronics Council's EPEAT ecolabel. In fact, EPEAT is among the industry's most important ecolabel programs. EPEAT identifies more products from a broader range of manufacturers than any other comparable ecolabel. Manufacturer claims for EPEAT-registered products are validated with a rigorous, ongoing surveillance and testing process, developed using completely open and transparent test criteria and methods.

To date, PC OEMs and other contributors have submitted nearly 10,000 system designs running on Intel that have achieved successful EPEAT registration, including more than 5,500 within the coveted EPEAT Gold Tier. Of all the computers registered in the EPEAT database with Gold certification, 82% run on Intel processors.³

For Intel vPro, however, that's just the beginning. Today, Intel vPro systems represent nearly 80% of Intel's EPEAT Gold Tier system designs.⁴ And overall, of the computers built on Intel vPro and registered in the EPEAT database, 90% have achieved EPEAT Gold or Silver certification.⁵

Whether you're an IT manager, enterprise employee, a CIO, or any other stakeholder, Intel strives to deliver on sustainability and help you achieve your own sustainability goals, too.

INTEL SYSTEM DESIGNS WITH EPEAT CERTIFICATIONS (ALL TYPES)

	Intel	AMD	Apple	Total
Total Global Designs in EPEAT Registry	9371	2065	20	11794
Global Designs GOLD Tier	5665	1221	20	6906
Global Designs SILVER Tier	2688	763	0	3451
Global Designs BRONZE Tier	1018	81	0	1099

Devices
with any Intel
processor
(and compared
to AMD and Apple
devices in registry)

INTEL vPRO DESIGNS WITH EPEAT CERTIFICATION

Total Global Intel vPro® Designs in EPEAT Registry	6307	} Devices built on Intel vPro®
Global Intel vPro® Designs GOLD Tier	4111	
Global Intel vPro® Designs SILVER Tier	1568	
Global Intel vPro® Designs BRONZE Tier	628	



The Key to Greener IT

One of the most important ways that devices on Intel vPro help promote IT efficiency, smarter resource usage, and a reduced carbon footprint may come as a surprise: remote PC device management and maintenance.

Intel vPro empowers IT organizations to raise their device management game, while also tapping into sustainability benefits that can pay off throughout a business:

- **Smarter use of resources.** Inactive devices including electronics and other equipment that are left running when not in use are consuming electricity around the clock, translating to approximately \$19 billion a year in wasted electricity in the United States alone.⁶ Intel® Active Management Technology (Intel® AMT) provides a solution: Scheduling systems to power down when not in use and then wake up before users arrive at work. It also keeps systems available to turn on for overnight diagnostics, upgrades, and patch deployment.
- **Flexible and powerful remote management.** Intel AMT supports both in-band (OS is operational) and out-of-band (OS is not operational or PC is turned off) management and control. This capability is a powerful tool for troubleshooting, repairing, and optimizing laptops and other Intel-powered systems. It minimizes the need for either an IT staffer or the employee to make an unscheduled trip to service a laptop, while helping reduce the carbon-emission impact of that service call.
- **A modern approach to hardware end-of-life and repurposing.** With tools such as Intel® Remote Platform Erase, IT organizations get a more secure and effective decommissioning process for lost or retired devices, and an opportunity to reuse and repurpose PCs elsewhere in the business. No matter how carefully a system is recycled, keeping it in service and filling a productive role is usually a more sustainable outcome.



Partnerships on the Path to Sustainability

It's also important to recognize the role that our OEMs and other technology partners continue to play in keeping their Intel vPro system designs on the cutting edge with EPEAT and other elite ecolabeling standards. We're working with our OEM and supply chain partners to help ensure that our own manufacturing and business operations are more aligned with your sustainability goals.

With 16 years of development and tens of thousands of points of validation per generation, Intel vPro gives our OEMs and other industry partners a platform for business technology solutions co-engineered with Intel.⁷ It's a showcase for innovation, value, and customer ROI. And today more than ever, it makes Intel vPro a valuable resource for ITDMs tasked with purchasing PCs that raise the bar on power efficiency, sustainable manufacturing and packaging, and other green IT requirements, while still delivering value with performance, security, manageability, and stability.⁸



Innovation that Serves Sustainability

When it comes to achieving sustainability goals, your device purchasing decisions matter a great deal. Nine out of 10 Intel vPro designs in the EPEAT registry achieve Gold or Silver certification.⁹ When you choose devices with Intel vPro, an Intel Evo Design, you'll get the best PCs for IT management, the best PCs for user performance, and some of the best PCs for the environment.



Learn more about Intel vPro, an Intel Evo Design.

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Intel technologies may require enabled hardware, software, or service activation.

Your costs and results may vary.

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All versions of the Intel vPro® platform require an eligible Intel® Core™ processor, a supported operating system, Intel LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance and stability that define the platform. See [intel.com/performance-vpro](https://www.intel.com/performance-vpro) for details.

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¹⁻² Forrester Consulting, "[Sustainability Priorities Resonate Throughout Corporate IT Strategy, Operations, and Purchasing](#)," January 2022. Intel commissioned Forrester Consulting to conduct an online survey of 607 respondents at the director level and up for organizations in North America, EMEA, and APAC with responsibility for technology selection strategy and PC device investment at their organization. All organizations surveyed had an environmental, social, and corporate governance (ESG) program and 95% had ESG criteria for purchasing end-user devices.

³⁻⁵ Based on data in the EPEAT Registry as of June 24, 2022, hosted by the Global Electronics Council, for computing client products in the market 2019-2022. Data is global and covers Desktop, Integrated Desktop Computer, and Notebook form factors. Intel, AMD, and Apple devices are compared. Visit www.epeat.net/about-epeat to learn more about the registry.

⁶ NRDC Issue Paper, "[Home Idle Load: Devices Wasting Huge Amounts of Electricity When Not in Active Use](#)," May 2015. Savings calculated using the national average electricity rate of \$0.125, per EIA "Electric Power Monthly," January 2015, Table 5.6.B – Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date Through November 2014 (accessed January 28, 2015).

⁷⁻⁸ Intel, "[An Unrivaled Business PC Platform](#)."

⁹ Based on data in the EPEAT Registry as of June 24, 2022, hosted by the Global Electronics Council, for computing client products in the market 2019-2022. Data is global and covers Desktop, Integrated Desktop Computer, and Notebook form factors. Intel, AMD, and Apple devices are compared. Visit www.epeat.net/about-epeat to learn more about the registry.