Realize savings with built-in efficiency

As billions of connected devices continue to come online, computing demand will exceed today’s infrastructure, consuming energy and materials at unprecedented rates. As awareness of these issues increases, organizations must factor internal and/or regulatory constraints into any purchasing decision. Our holistic approach to product design results in lower product power consumption and reduced waste—reducing total cost of ownership (TCO) for our customers and contributing to a more circular economy.

A detailed understanding of product impacts enables HPE product stewards and designers to work together to consider lifecycle impacts at the design stage and prioritize areas for improvement. For HPE, it is a business imperative to design more efficient solutions and partner with suppliers to reduce environmental impacts.

HPE Design for the Environment

HPE Design for the Environment (DfE) program is an engineering-based approach to product development that focuses on the specific environmental impacts of HPE products and targets inefficiencies in the manufacturing process.

HPE DfE program has three priorities:

- **Energy efficiency**: Reduce the energy required to manufacture and use HPE products
  - We enable customers to do more with less by optimizing the energy efficiency of our products. We focus on delivering an optimum level of power, storage, and connectivity in exchange for the lowest input of energy possible.
  - HPE customers can achieve further reduction in energy, hardware, and end-of-life costs with new consumption models that enable customers to pay for only what they use.
Sustainable innovation in action:
HPE ProLiant Gen10 servers
HPE’s newest generation of servers boasts superior design features contributing to a circular economy
• World’s most energy-efficient 1U and 1P server
• Over 95% recyclable material
• Most secure industry-standard servers on the market

• Design for recyclability: Design products that are easy to upgrade, repair, and recycle
  – We make it easier for our customers to extend the useful life of HPE products—designing for longer lifecycles and providing guidance on self-repair and upgrades. Our Recyclability Assessment Tool (RAT) enables us to calculate and improve the end-of-life recyclability of our products.

• Materials innovation: Choose materials with lower environmental impact
  – We proactively remove restricted substances to maximize the ability for products to have residual value at the end of customer use.
  – We support the use of GreenScreen® for Safer Chemicals to identify alternatives and anticipate potential future regulations.

Meet market access requirements
Our Environmental New Product Introduction process helps ensure our products meet regulatory requirements and enables access to markets at any place/location in the world. We help ensure environmental compliance across 44 deliverables in subjects including materials, energy requirements, end-of-life management, and product documentation requirements.

Many HPE products go beyond regulatory requirements, conforming to third-party verified eco labels, which establish social and environmental standards. HPE is one of only two companies with Electronic Product Environmental Assessment Tool (EPEAT) qualified servers, meeting over 23 required criteria such as product longevity and energy efficiency. HPE also offers ENERGY STAR®, 80 Plus, China SEPA, and China CECP certified products, making it easy for customers to incorporate sustainability qualifications in their procurement criteria.

As best practice, HPE produces IT Eco Declarations for new HPE products—providing visibility into hazardous substances, product treatment information, and market requirements, such as design disassembly and product lifetime.

Enable sustainable business choices
• HPE Power Advisor accurately estimates power consumption for current and planned IT equipment—a powerful TCO planning tool.
• HPE offers end-of-use product return, trade-in, and recycling programs for our global markets—helping to ensure your IT assets are managed in a secure, compliant, and environmentally responsible manner.
• The new HPE Circular Economy Report is a customized analysis for HPE Financial Services customers detailing the estimated environmental impacts of returning IT products into the economy via reuse and recycling services.

Learn more at hpe.com/livingprogress
hpe.com/info/report