



**WHAT YOU CHOOSE  
CAN GO A LONG WAY IN  
REDUCING THE GLOBAL  
CARBON FOOTPRINT.**

# CHOOSE GREEN. CHOOSE LENOVO.



Environmental issues are increasingly becoming critical to organisations and individuals alike. Energy-efficient choices can reduce greenhouse gas emissions and save energy costs for the user, without sacrificing features, style or comfort.

As an organisation that passionately believes in the conservation of our environment and a commitment that aims at being 10% more energy-efficient by 2012, Lenovo® makes computers with the highest adherence to environment-friendly practices and standards.

In fact, Lenovo 'green' programmes are not just an afterthought to design and manufacturing; they are an integral part of Lenovo's business processes from start to finish.

Today, Lenovo is an industry leader with respect to energy-efficient products, the use of environmentally preferred materials and green product packaging.





## IT PAYS TO GO GREEN.

Contrary to popular belief, going green can also be extremely cost-effective. Lenovo PCs contribute to saving the environment while directly contributing to your bottom line by reducing energy use, cooling costs and other related expenses. Lenovo is committed to providing environmentally responsible, energy-efficient and cost-effective technology choices.

### LENOVO PCs COME WITH BUILT-IN ENERGY-EFFICIENT TOOLS AND ECO-FRIENDLY FEATURES LIKE:

**POWER MANAGER™** — Helps optimise energy used by a running machine and even saves you up to 69% on energy consumption per desktop, per year<sup>1</sup>.

**ACTIVE THERMAL MANAGEMENT** — Adjusts processor and fan speeds based on ambient noise levels.

**DYNAMIC BRIGHTNESS CONTROL** — Conserves battery by lowering LCD brightness during transient states like startup, shutdown, log off, screen lock and screensaver mode.

**ASSET RECOVERY SERVICES** — Recover the maximum possible value from your replaced equipment.

**HYBRID GRAPHICS** — Switch between integrated and discrete graphics thus optimising battery life and graphics performance.

**ACTIVE DIRECTORY AND LANDESK®** — For remote deployment of power schemes and global settings. So IT can control and enforce ThinkPad® energy savings company-wide.

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# PCs AS GREEN AS OUR PHILOSOPHY.

Environmental leadership is a fundamental component of Lenovo's environmental policy. This policy requires our product groups to develop, manufacture and market products that are energy-efficient and that minimise their impact on the environment.

## THINKPAD NOTEBOOKS

ThinkPad notebooks are designed with energy-saving technology that also makes them cool and quiet. They come with a Serial ATA hard disk drive and optical drives that use less power. These notebooks have tested negative for up to 2,000 chemical emissions that are harmful to the environment<sup>2</sup>.

- **GET LONGER BATTERY LIFE AND LOWER ENERGY CONSUMPTION WITH BATTERYSTRETCH**
- **NEW POWER-SAVING, MERCURY-FREE, ARSENIC-FREE LED BACKLIT DISPLAYS**
- **ENERGY STAR™, EPEAT™ GOLD AND GREENGUARD® CERTIFIED**
- **REDUCED HALOGEN MODELS**



## THINKCENTRE DESKTOPS

ThinkCentre® desktops are high on performance and energy savings. They come with ENERGY STAR™ 5.0 and EPEAT™ Gold certifications. A rock-solid, tool-less design and easy-to-use features further make them a winning combination. Especially for the environment.

- **ALL THINKCENTRE DESKTOPS ARE EPEAT™ GOLD, ENERGY STAR™ 5.0 AND GREENGUARD® CERTIFIED**
- **THE BUILT-IN POWER MANAGER™ REDUCES ENERGY CONSUMPTION**
- **30% POST-CONSUMER RECYCLED PLASTIC RESIN**
- **FINGERPRINT KEYBOARD IS MADE UP OF 35% RECYCLED MATERIAL**
- **BACKED BY ASSET RECOVERY SERVICES FOR SAFE END-OF-LIFE DISPOSAL**





## THINKSTATION WORKSTATIONS

ThinkStation™ workstations are very powerful and capable of handling high-end graphics. But surprisingly, these machines use less power and hardly make a sound while running. To top it off, they use 50% recycled plastics.

- **EPEAT™ GOLD, RoHS AND GREENGUARD® CERTIFIED**
- **INTEL® DYNAMIC POWER MANAGEMENT THROTTLES DOWN POWER CONSUMPTION**
- **CERTIFIED FOR EXTRA-LOW EMISSIONS**
- **THEY USE 50% RECYCLED PLASTICS**
- **FIRST LENOVO PRODUCT TO GET AN 80+ BRONZE CERTIFICATION FOR 86%+ PSU EFFICIENCY**



## THINKSERVER SYSTEMS

ThinkServer™ systems deliver up to 11 times the performance of single-core processor systems, while consuming up to 80% less power. All ThinkServer systems are ENERGY STAR™ Server 1.0 compliant. Optimal power and cooling further reduce its energy footprint.

- **NEW THINKSERVER SLIM FORM FACTOR SAS AND SATA HARD DISK DRIVE USE 40% LESS POWER AND RUN COOLER THAN OLDER 3.5" DRIVES**
- **INTEL®'S INTELLIGENT POWER TECHNOLOGY FURTHER REDUCES IDLE POWER CONSUMPTION BY 50% FOR EVEN GREATER SAVINGS**
- **ENERGY STAR™ FOR ENTERPRISE SERVERS 1.0 QUALIFIED MODELS**
- **THINKSERVER SYSTEMS COME WITH ADDITIONAL INDUSTRY CERTIFICATIONS LIKE RoHS AND CLIMATE SAVERS**



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## THINKVISION MONITORS

Lenovo's entire range of ThinkVision® monitors is ENERGY STAR™ 5.0, EPEAT™ Gold and GREENGUARD® certified and delivers excellent front of screen performance. Lenovo also offers the World's only TCO Edge certified monitor, the L2251x<sup>3</sup>. To achieve TCO Edge certification, Lenovo utilised plastic resins with 65% post-consumer recycled content.

- **EPEAT™ GOLD AND GREENGUARD® CERTIFIED**
- **ENERGY STAR™ 5.0 RATED, CONSERVE POWER AND CUT POWER BILLS BY UP TO 60%<sup>3</sup>**
- **MINIMUM OF 25% POST-CONSUMER RECYCLED PLASTICS (65% ON L2251x)**
- **REDUCED MERCURY PERCENTAGE BY USING LOW POWER PANELS**
- **LOW HALOGEN WITH TRACE LEVELS OF BFR AND CFR 2 ON L2440x AND L2251x**



**DID YOU KNOW?**

In October 2009, Lenovo launched the ThinkVision L2251x Wide monitor, the first PC monitor to be TCO Edge certified. The chassis of the L2251x wide uses 65% post-consumer recycled plastics with an additional 20% post-industrial recycled content, not virgin plastics.

## REINFORCING OUR GREEN IDEAS.

With a corporate goal that aims at being 10% more energy-efficient by 2012, Lenovo is committed towards changing the way people around the world use technology. Just as we provide innovative technologies, we also ensure that our products, employees, sites and suppliers follow the commitments they have made to socially responsible business practices.

### PRODUCT DESIGN AND MATERIAL SELECTION

A major procedure is the selection of materials. This enhances not only user experience (weight, durability and aesthetics) but environmental responsibility as well. Many of our products contain 90% or more recyclable content.

### PC DISPOSAL

Another aspect that ensures social responsibility is the safe disposal of your old PC, with our Asset Recovery Services. Once you're done with it, we take it back for you and dispose it for recycling. This ensures secure data destruction and a cash-back credit for future Lenovo technology investments.

### PRODUCT TRANSPORTATION

- Utilising global shipping methods which are more environment-friendly such as ocean and rail: for Fiscal Year (FY) 2009, Lenovo shifted an additional 7% of notebooks from air transport to ocean transport to minimise environmental impacts related to shipping
- Lenovo received the SmartWay certificate from U.S. EPA in July 2008

**DID YOU KNOW?**

The one billion computer displays used today result in 53mn tonnes of Carbon dioxide emissions and consume as much energy as Sweden.  
- TCO White Paper  
(Your Computer and the Climate, Apr 2008)



## GREEN PACKAGING

- Implemented new optimised packaging designs during 2009 which will enable a reduction of 750 tonnes of packaging material, which equates to approximately 20% of our total packaging volume for the year
- During 2009, Lenovo began to utilise cushioning materials with up to 100% recycled content for shipments of ThinkPad, ThinkCentre and ThinkVision products
- Lenovo established bulk packaging options for all products

**DID YOU KNOW?**

Lenovo reduced packaging used in large scale rollouts to business customers and universities. Bulk packaging can save around two kgs of packaging material per PC which means that a 5,000 unit desktop deployment could save nearly 10,000 kgs of material.



## ENGINEERED GREEN. RATED GOLD.

All products in the market are assessed and valued by various widely recognised organisations and groups before being termed green and energy-efficient. Their ratings, certifications and awards have solidified what we and our products stand for.

### CERTIFICATIONS



ENERGY STAR™ is a joint programme between the U.S. Environmental Protection Agency and the U.S. Department of Energy that rates computers, office equipment, electronics and home appliances according to the amount of energy they consume.

**Lenovo is the first brand to announce a full line-up of ENERGY STAR™ 5.0 compliant PCs. Better still, Lenovo monitors are 38% better than the prescribed criteria.**



VESA is an international non-profit corporation that supports and sets industry-wide interface standards for the PC, workstation and consumer electronics industries.

**Lenovo is the first to launch a mercury-free, low halogen monitor as well as the first 19" wide 2CCFL VESA standard adoption.**



EPEAT™ is a system that differentiates desktop and laptop computers, workstations and computer monitors based on how green they are. These products are rated Gold, Silver or Bronze, according to certain environmental performance criteria.

**Lenovo was the first manufacturer to deliver an EPEAT™ Gold rated monitor and now has a full lineup of EPEAT™ Gold commercial monitors<sup>4</sup>.**



TCO Certified ensures that all products come with an ergonomic design, deliver high performance, are low on energy consumption and meet the toughest environmental requirements like recycling and limits on hazardous materials.

**Lenovo's ThinkVision L2251x wide monitor with zero virgin plastics was certified as the world's first TCO Edge certified monitor in October 2009.**

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March 2008: Voted China's **'MOST SOCIALLY-RESPONSIBLE COMPANY'** and **'CHINA'S LEADING INTERNATIONAL BRAND'** by readers of The Financial Times online.

April 2008: Voted **'BENCHMARK COMPANY OF CHINA GREEN COMPANIES'** by the first China Green Companies' Annual Summit and **RANKED #1** in the IT sector.

June 2009: Received the **'ANNUAL RECOGNITION AWARD 2009'** from Corporate Governance Asia for its clear written policy by the board of directors.

November 2009: Received the **'GREEN IT EXPO'S GREEN SUPPLIER AWARD'** which recognises organisations that have shown a commitment to delivering Green IT and/or have contributed significantly to the 'green business' agenda.



## MAKE A **GREENER** CHOICE WITH LENOVO.

..... Lenovo products are all environmentally responsible and energy-efficient. And we would love to help you go green. Choose Lenovo and get the best combination of performance, productivity and green computing.

..... Start the change. Log on to [www.lenovo.com](http://www.lenovo.com)



During FY 2009, Lenovo began to utilise cushioning materials with up to 100% recycled content in ThinkPad, ThinkCentre and ThinkVision products.



 [www.lenovo.com](http://www.lenovo.com)

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