

# HP ECO SOLUTIONS AND CLIENT VIRTUALISATION

Better for business, better for the environment.



THE  
COMPUTER  
IS PERSONAL  
AGAIN.



# HP Eco Solutions and Client Virtualisation

HP Client Virtualisation is more energy efficient than using traditional PCs.

HP Client Virtualisation offers a flexible portfolio of alternatives to the conventional PCs, including thin clients, servers running VMware and Citrix, blade PCs, blade workstations and all the software, infrastructure, consulting and integration needed to deploy them.

Replacing PCs with HP thin clients (including mobile thin clients) increases security, improves manageability, and cuts lifetime ownership costs. In particular, HP Client Virtualisation can cut energy costs dramatically – by up to 80 percent compared to a traditional PC.

HP Client Virtualisation enables wider environmental benefits. Thin clients last longer than conventional PCs and use less packaging and raw materials. They also enable staff to work much more flexibly and can help reduce the environmental impact of commuting.

## Energy efficiency

HP Client Virtualisation is more energy efficient than traditional PCs.

In operation, thin clients draw between 6 and 20 watts per hour compared with 150 to 350 watts for a typical desktop PC. The result is lower electricity bills and reduced CO<sub>2</sub> emissions.

HP thin clients use ENERGY STAR® qualified external power supplies. (Currently, there is no ENERGY STAR specification for thin clients in their own right.)

Thin clients have no moving parts – no fans or hard disks – making them much quieter (and more reliable) than conventional PCs. Reducing ambient office noise can reduce fatigue and stress, making workers more productive.

In addition, thin clients generate much less heat, so offices stay cooler with lower air conditioning energy consumption and reduced costs.

Finally, they are much more compact than a conventional computer, freeing up more desk space.

HP mobile thin clients, such as the 6720t, include HP Smart AC Adapters, which draw minimal power when the notebook device is fully charged or unplugged.

## Materials innovation

Thin clients last longer than PCs, cutting replacement costs and waste.

On average, thin clients use 55 percent fewer electronics, 36 percent less plastic and 25 percent less metal in their manufacture, compared with comparable PC systems, according to Forrester. The result is fewer hazardous materials, reduced packaging material during transport, and less waste for disposal.

According to analysts Forrester, thin clients last an average of seven years, compared with the three or four years for typical corporate desktop PCs.

Not only does this save money, it also reduces the environmental cost of manufacturing new hardware and disposing of old kit.

With no moving parts, there is less to go wrong and less to become obsolete. In fact, their failure rate is one-fourth that of equivalent desktops.

The latest HP thin clients feature HP DuraFinish – an attractive, scratch-resistant surface that keeps the devices looking new for longer.

## Recycling and reuse

Thin clients have less environmental impact than conventional PCs.

With HP's Advanced Unit Exchange programme, failed thin clients are shipped back to HP for refurbishing or recycling.

When it comes to packaging, HP thin clients use 40 percent less corrugated board and 75 percent less foam than equivalent PCs.

HP Client Virtualisation shifts processing and storage to the data centre. Even so, there are significant environmental benefits. For example, an HP blade PC uses far less plastic, sheet metal and paint by mounting all its components on a single circuit board, mounted 20 to an enclosure.

HP thin clients fully comply with the European Union Restriction of Hazardous Substances (RoHS) directive.

For further information: [hp.eu/green](http://hp.eu/green)

