

PC Power Down



Reduces your energy bills

Reduces your carbon footprint



As the use of computers and peripherals continues to expand in organisations of all kinds, businesses, factories, offices, schools and colleges, hospitals, local and central government, the amount of energy being consumed increases dramatically both in terms of cost and tons of carbon dioxide. And when those PCs and peripherals aren't switched off when they're not in use, that's quite simply money wasted and greenhouse gas emissions needlessly increased.

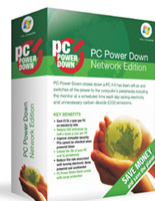
Organisations need to be able to monitor and manager energy consumption to meet projected savings and carbon reduction targets, especially in light of the Department of Energy and Climate

Change's (DECC) CRC Energy Efficiency Scheme and the Higher Education Funding Council for England's Carbon Reduction Strategy.

Here are a few facts:

- Dell estimate 90% of corporate PCs are left on all the time
- Leaving seven typical office PCs switched on when not needed results in the same level of CO₂ emissions as a small diesel car doing 10000 miles a year
- Gartner reported in 2007 that ICT is responsible for 2% of the world's CO₂ emissions, about the same as the airline industry.
- The average PC if left on all the time is responsible for half a tonne of CO₂ emissions and uses £115.00 of electricity per year.
- Switching off a single PC when it's not being used can reduce CO₂ emissions by a third of a tonne and save around £80.00 per year.

PC Power Down is a simple to use, lets you schedule and manage safe peripherals when they are not in



highly cost effective software tool which power-down and power up of PCs and use.

PC Power Down



Features

Groups

All PCs and devices on the network are identified by PC Power Down. The network administrator can create groups and allocate PCs to them. Once created, different power schedules can be applied to each group

Computers

PCs etc on the network are powered down against the schedule. They can be powered down either to hibernate state or shut down completely. In the hibernate state the active workspace is copied to disk preventing loss of data.

Power Up

Computers on the network are powered up to login against the schedule. When powering up a group, power up is phased to prevent network and power overload.

Remote Power Up

If a remote worker needs to access data on a powered down PC they can use this browser based application to power up their PC.

Open Windows

In addition to the daily schedule 'Open Windows' can be set. These are time periods when the computers are activated outside the daily schedule. These can be one-off or periodic events.

Snooze

When a scheduled power down time occurs, the user has the opportunity to delay power down and continue working.

Other Devices

Other devices can be controlled by IP over Ethernet or Signalling over PowerPC Power Down manages them in the same way as computers, and Open Windows can be used to power equipment up outside normal hours if required.

Scheduling

Scheduling is set centrally and applied to groups. The schedule holds a power down time and a power up time for each computer in the group for each day of the week.

Benefits

Financial

A mid-range PC and monitor will draw about 120 watts when on, even when not being used. If left on all the time this would cost around £115.00 per year. Computers are usually needed for no more than 10 hours a day five days a week. By switching the PC and its monitor off when not needed you can typically save £80.00 per PC per year.



Computer Security

Computers cannot be attacked by viruses, Trojans, worms and other malware while powered down, and neither can they be hacked nor the data on them compromised.

Fire Safety

Having computers and other electrical equipment powered down when unattended reduces the risk of fire.

Carbon - CO₂

The electricity saved above would equate to eliminating just over one third of a tonne of the primary greenhouse gas CO₂.

Extended Equipment Life

Switching off equipment which is not in use can extend its operational life.

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