

# Eco-Efficient IT

Power Management – 2008-2012

July 2008

EXECUTIVE OVERVIEW

the **451** group

## Report snapshot

- Report: *Eco-efficient IT: Power Management 2008-2012 - Managing and Monitoring IT Energy Use From the Desktop to the Datacenter*
- Analysts: Andrew Lawrence, Research Director
- Released: July 2008
- Report length: 76 pages

## Key findings

- Desktop power management (PM) will enjoy strong enterprise take-up from 2008-2012.
- Complexity, interdependencies and uncertain ROI will slow but not prevent PM adoption in the datacenter.
- PM software's ROI case increases as power prices rise and conservation legislation is enacted.
- The relationship between PM, virtualization and energy-efficient servers is complex. Ultimately they are most effective when used together.
- A strong consultancy opportunity exists; cultural factors and user resistance affect PM's ROI as IT staff balance business and user needs.
- Hardware efficiency advances by 2012 won't undermine the business case for PM on the desktop or in the datacenter.

**BOTTOM LINE:** There is an overall move toward greater and more dynamic control of energy use by IT, and greater accountability of the way energy is used. Increasingly strong financial and nonfinancial drivers will encourage greater adoption of power management throughout IT.

## About this report

IT power consumption is causing significant financial, operational and ethical problems for many organizations – and excessive consumption may in future be a compliance issue (accurate measurement of power is required by some planned laws and incentive schemes). However, most organizations have no technology in place for measuring, aggregating and tracking power use; indeed, such technology has only recently become available. IT suppliers have belatedly realized the importance of this issue, and the race is on to develop products and establish them in the marketplace.

This report examines this topic with a focus on managing power, managing datacenters and investing in and understanding the eco-efficient IT agenda.

## About this report

The 451 Eco-Efficient IT (ECO-IT) service tracks and analyzes key developments, from the Kyoto Protocol to datacenter effectiveness, from electricity prices to telepresence. Eco-efficiency is becoming a key consideration for technology vendors, end users, service providers and investors. The 451 Group provides insight to help organizations negotiate this new challenge and profit from the opportunity.

To learn more about the ECO-IT program and the benefits of being a subscriber, please contact [sales@the451group.com](mailto:sales@the451group.com)

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AdInfa	Faronics
APC	Hewlett-Packard
Appistry	IBM
Avocent	Microsoft
1E	Power Assure
BigFix	Verdiem
Criston	VMWare
Cassatt	