

PowerMAN Power Manager Overview

Release 5.5.4 February 2024

"We estimate this straightforward project, will save the Trust more than 350 tonnes of CO₂ and £70,000 per year...Direct financial savings are achieved by reducing the energy being used by computers being left idle by users." - Phil Brennan, Estates Director, Sheffield NHS Teaching Hospitals

PowerMAN Power Manager is an advanced systems management tool giving organisations of all sizes a simple, effective and uniform solution to manage PC running costs and to monitor PC asset utilization. PowerMAN complements the built-in power management features of Microsoft Windows® to provide:

- **Comprehensive, centralised, configuration of PC power management**
- **Multiple advanced power management features, beyond those available in Windows alone**
- **Web-based, enterprise-wide reporting of PC assets, utilization and running costs**

PowerMAN builds upon the features available in Windows to deliver targeted power management that maximizes savings whilst avoiding any loss of productivity. The product's innovative approach allows PC power features to be simply managed using familiar Windows tools. This dramatically reduces implementation time and delivers rapid results. PowerMAN's unique web-based [reporting system](#) allows both IT and non-IT staff to easily monitor equipment utilization, measure progress and identify areas for further improvement. The reports are easy to understand and, if desired, can also be used to promote power and cost saving cultural change to end users.

"I only know one power management product that truly addresses our problems...PowerMAN" - Lisa Nelson, University of Liverpool

PowerMAN is a best of breed solution. The unique combination of effective power management **control** and measurement **reporting** greatly enhances the savings available from reduced energy costs, reduced CO₂ emissions, and lowered associated costs such as air conditioning and equipment wear.



PowerMAN Business Benefits

"This is a great opportunity to save a whole lot of money, but at a low cost" -Merry Rankin, Director of the Office of Sustainability, Iowa State University

PowerMAN is cost effective and will quickly deliver effective power management whilst maintaining user productivity. In an era of increasing energy costs, PowerMAN will deliver the following business benefits:

- Save up to 70% of PC energy costs and CO₂ emissions
- Save up to £80 per PC/year (depending on hardware and energy costs)
- Simple deployment with typical return on investment (RoI) 3-6 months
- Increase security and reduce network attack surface by powering down idle equipment
- Flexible solution that overcomes common barriers to energy saving

The full product is available with a **free, 30 day, no-obligation evaluation**. This will allow you to fully experience the powerful range of features available and measure the potential savings in your organisation. The evaluation is unlimited and we encourage you to use it on as many workstations as possible. The savings achievable can be estimated using our free [savings calculator](#).

The power management suite is highly flexible and offers numerous power management policy options:

- Rapid deployment using numerous industry standard techniques
- Flexible policies per-user, per-workstation or per-group
- Mix/match techniques to work alongside user requirements and maximize productivity
- Built-in scheduled wake-up for patch management, anti-virus scans, and updates
- Minimally intrusive to users and includes an optional user override tool
- Uniform solution for all supported operating systems

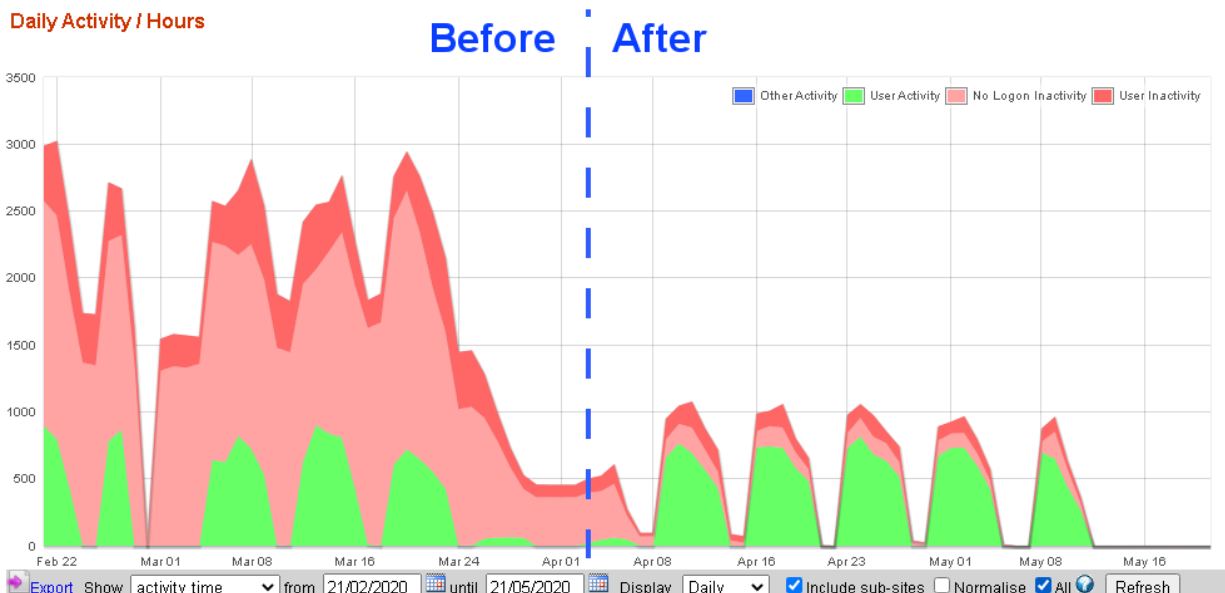
The optional reporting suite provides:

- Management insight of workstation utilization, activity, waste and areas of best practice
- Historical and live reporting per area, department or physical location
- Measurement by time, estimated cost or CO₂ equivalence
- Informed decision making based upon evidence and **NOT** guess work
- Optional cloud (hosted) reporting platform for ultra-rapid setup and low implementation cost

Enterprise PC Power Reporting

The optional PowerMAN web-based reporting solution is available as either traditional, **on-premise**, software or as a **cloud (hosted) service**. The reporting features are also available as a standalone edition called **PowerMON**. The software reports both live and historic workstation asset and power usage related information in a variety of easily accessible graphical and tabular formats. A live demonstration of the reporting features is available on the [Data Synergy website](#). Each edition includes the same reporting features:

- **PowerMAN Cloud (Hosted) Reporting** - Running on Data Synergy's servers, this solution avoids the need to purchase, configure and maintain your own server. This is ideal for small-medium sized organisations and can be setup in minutes. Cloud reporting is included free for the first year with all PowerMAN/MON perpetual license purchases and may be optionally renewed annually thereafter.
- **PowerMAN Enterprise Server** – Running on your own server or virtual server, this solution provides a private reporting system. This is ideal for larger organisations or where use of the cloud service is not practical for privacy, security or legal reasons. The system offers an open database model that is ideal for further integration or the development of custom queries. Private reporting requires a separate server license. This is available either annually or perpetually.

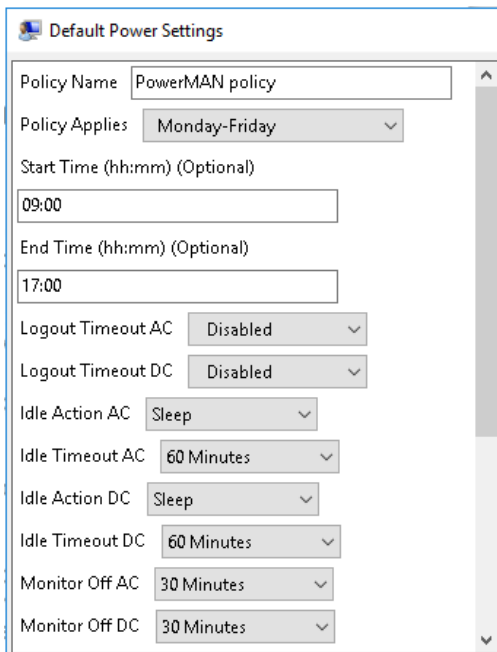


The reporting solution provides:

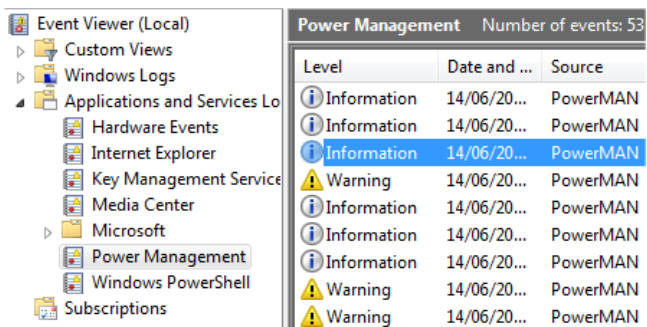
- Detailed PC hardware asset and utilization information
- Historical measurement of efficiency and waste over weeks, months or even years
- Live dashboard of workstation status and availability
- Reports activity times and estimated cost and CO₂ equivalents
- Groups computers by area, function or location and drill-down to individual PCs
- Optionally, report hardware information such as PC make/model, CPU, RAM, BIOS revision, OS and free space
- Ranks computers by inactivity level and highlights the most and least wasteful computers
- Displays data graphically and allows data download in CSV/Excel compatible format
- Provides multiple access security levels and only collects anonymous data. Does not create any privacy or data confidentiality issues
- Minimal network overhead and storage requirements. There is no practical limit to historic data retention

Technical Features and Requirements

PowerMAN is supported on Windows 7 SP1 and later. The software uses a small agent which may be quickly deployed to each workstation:



- Simple deployment via either standard MSI or single-EXE file. Minimal on-disk footprint.
- Deploy via GPO/AD, SCCM, Intune, ZEN, SMS, XCOPY, RM CC4 or similar
- ADM/ADMX supplied - Configure via Group Policy, Intune, ZEN, RM CC4 or even direct Registry settings
- Define separate policies per-user, per-computer, group or time of day
- Configure timeouts for logout, sleep, hibernate, and power-off
- Schedule wake-up, sleep, hibernate or power-off
- Distinct policies for when nobody is logged on



- Enforce policies, prevent unauthorised changes and override problem applications preventing PC 'insomnia'
- Protect critical applications, files or times
- Optional opt-out by user and computer. Permit authorised users to self opt-in/out to power management

The PowerMAN historical reporting solution consumes around 1KB of network bandwidth per workstation per day. The optional live reporting feature requires a further 3-4KB/day depending on usage.

The optional on-premise, PowerMAN Enterprise Server, reporting software is highly scalable and supports a minimum of 100,000 client computers. The software does not require a dedicated server and can be used in a virtualised environment. The server software requires:

- Windows Server 2008 R2 or later with at least 4GB of RAM. Larger installations may require more RAM.
- Approximately 1MB of data storage per client computer per year. e.g. 20,000 PCs will require approximately 20GB of storage/year.
- Microsoft® SQL Server Standard Edition 2008 R2 or later. Smaller deployments may also use the free SQL Express Edition

We also offer a range of [services](#) to help deploy, integrate, and customise PowerMAN in your organisation.

PowerMAN is better than Windows alone

PowerMAN leads the market because it significantly enhances the features available from Windows alone. This is because Windows **only provides a single idle-based power policy for all users on a particular computer**. This policy applies at all times, can be changed by any user, and remains in effect even when the user logs off. The policy can also be easily circumvented by rouge applications causing 'PC Insomnia'.

PowerMAN offers many more comprehensive features beyond those built-in to Windows. It allows specific policies to be activated when no user is logged on or on different days and times of day (such as night-time and weekends). Crucially, PowerMAN also allows policies to be enforced so they cannot be inadvertently defeated by users or applications. The product also includes a powerful exception engine that allows policies to respond to the user environment and behave different when certain programs, files or users are present.

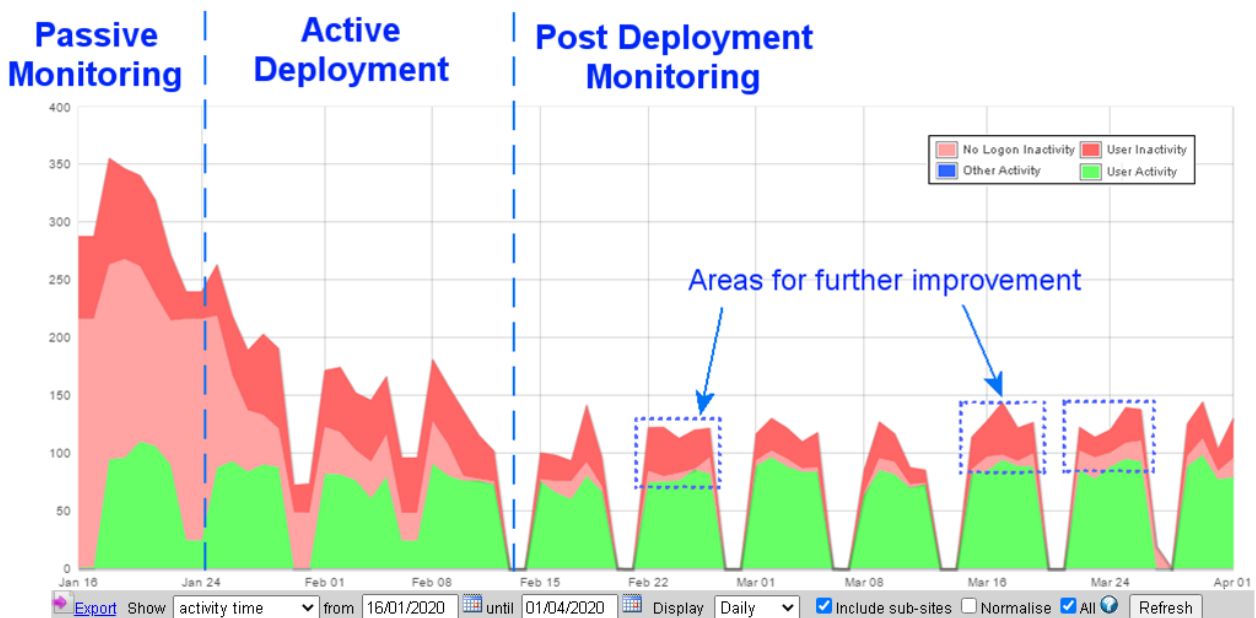
The table below highlights the key features of PowerMAN compared to Windows 7/8/10/11:

Feature	Win 7/8/10/11	PowerMAN v5.5
Historic Reporting per PC/site	No	Comprehensive
Export reports to Excel/CSV	No	Yes
SQL access to per-minute data	No	Yes
Live Reporting per PC/Site	No	Yes
Per-site workstation availability report	No	Yes
Workstation status dashboard	No	Yes
Central power management configuration	Limited	Comprehensive
Sleep / Hibernate (on-idle)	Yes	Multiple/day
Shutdown / Power-off (on-idle)	No	Multiple/day
Logout (on-idle)	No	Multiple/day
Sleep / Hibernate (on-schedule)	No	Multiple/day
Shutdown / Power-off / reboot (on-schedule)	No	Multiple/day

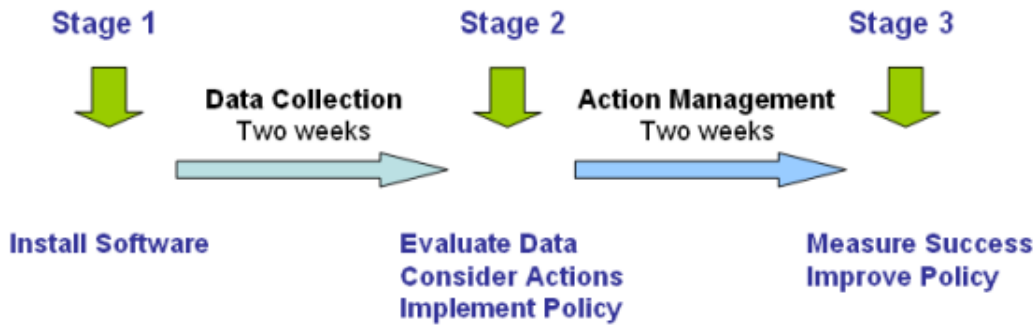
Wake-up	No	Comprehensive Multiple/day Multiple/day via WakeMyPC
Maintenance window (Wake + stay awake)	No	
Wake-up (on-schedule)	No	
Wake-up (remote / ad-hoc)	No	
Multiple policies per day/user/PC/group	No	Yes
Separate policies per user / group	No	Yes
Separate policies per PC / group	via GPO	Yes
Protect policies from unauthorised changes	via GPO	Yes
Distinct policy for no-user present	No	Yes
Enforce policy (anti-insomnia)	No	Yes
User prompt before power saving/logout	No	Yes
Configure power/sleep/lid button behaviours	via GPO	Yes
Out-out / Exclusion features		
By file/program/time/user/computer	No	Yes
User self opt-out (optional)	No	Yes
Detailed Power Management event log	No	Yes
Uniform solution for all client OS	NA	Yes
Full support for Windows Vista/7/8	N/A	Yes
Regular updates available	N/A	Yes

Evaluate PowerMAN Free Today

We are confident PowerMAN will save you money, but we know you will want to see this for yourself. The product is available with a **free 30 day, no-obligation, unlimited scale evaluation**.



The evaluation will allow you to fully understand the powerful range of features available and measure the potential savings in your organisation. The evaluation is unlimited and we encourage you to use it on as many representative workstations as possible. The typical evaluation cycle is:



Please talk to your [Sales Representative](#) to arrange your PowerMAN evaluation today.

Complementary Tools

Data Synergy provides a range of related software. The following tools complement PowerMAN:

- [WakeMyPC](#) software provides a web-based, user-driven, remote desktop access gateway. This allows users to wake up their own workstations when required for remote access. WakeMyPC enhances the power management features of PowerMAN by providing ad-hoc wake-up. When used together, the products will maximize the savings achieved and maximise the user experience.
- Free [WOLMAN command-line](#) tool for investigating and debugging WoL network issues. This is included with the WakeMyPC Server and is also available directly from the Data Synergy website.

Further Information

To find out more about **Data Synergy PowerMAN** please talk to your Sales Representative or authorised reseller. Alternatively please read the following documents available on the Data Synergy website:

- [PowerMAN Administrator Guide](#) – provides full technical details and several installation walk-throughs
- [PowerMAN Reporting Guide](#) - explains how to use the WakeMyPC Server software.
- [PowerMAN Enterprise Server Guide](#) – explains how to deploy the on-premise reporting suite
- [PowerMAN FAQ](#) – Answers frequently asked product questions

Our Customers

Data Synergy PowerMAN is already used successfully by a large number of both public and private sector customers. Some examples include:



www.sro.vic.gov.au



Manchester Metropolitan University



The University of Nottingham



Rushcliffe Borough Council



St Richard Gwyn Catholic High School



Leeds Trinity University College



About Data Synergy



Data Synergy is a British company based in Sheffield. We have over fifteen years' experience developing and supporting software solutions for enterprise PC deployment and management. We do not resell other vendors' products and do all of our development, sales and support from our UK base.

Our products have evolved through listening to customer ideas and applying our unrivalled knowledge of PC internals. If you have a suggestion for a new product or feature we would love to talk to you.

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