



Faronics Power Save and **Caixa Manlleu**



CASE STUDY



Background

Caixa Manlleu is a prosperous, modern financial organisation that has been in business for more than 100 years. They have a network of over 100 offices throughout Catalonia and Madrid and hold a seat on the stock exchange where they operate in the national and international financial markets.

They also maintain a strong focus on environmental responsibility and its operational sustainability principles. In line with the environmental policy, the Director of Systems of Caixa Manlleu deployed Power Save on its network of 500 workstations.





The Problem

Caixa Manlleu has maintained a strong environmental policy for many years. Because of the growing awareness on environmental responsibility, Caixa Manlleu has incorporated the following sustainability principles into its corporate agenda:

- Promote and inform the people working for Caixa Manlleu, or acting on its behalf, about the environmental policy.
- Ensure employees and subcontracted personnel understand the environmental impacts generated by Caixa Manlleu activities.
- Learn about the applicable environmental legislation as well as the compromises that Caixa Manlleu may undertake relating to the environment to guarantee compliance.
- Develop an environmental management program for continuous improvement and the prevention of contamination.

In line with the environmental policy, the Director of Systems of Caixa Manlleu, Mr. Joan Pi, began searching for a cost saving energy strategy for its network of 500 workstations.



The Solution

Through Qualiteasy, a Preferred Partner in Spain, Joan familiarised himself with the energy saving software developed by Faronics called Power Save. Caixa Manlleu began testing Power Save during the summer of 2009.

This comprehensive testing was conducted on 68 workstations, each with different saving policies applicable at four different times in the day. Any challenges encountered during testing were resolved with the latest version of Power Save and Faronics Core, the management console for Power Save. One of the main improvements to the product was the ability to keep Power Save tasks active for a specified amount of time. This Active Task feature helped to ensure that these tasks would run on all computers even if some were not initially connected to the network. This improvement helped with the implementation of Power Save at Caixa Manlleu.

The data obtained during the test allowed Qualiteasy to estimate that Caixa Manlleu would achieve a return on investment within six months to a year. Since its implementation last winter, Caixa Manlleu has saved a substantial amount of money and energy. The following savings can be realised within the first year of deployment of Power Save at Caixa Manlleu:

- Annual savings of 17.71 € per computer per year.
- Full ROI in 8.4 months based on a 230 business day year.

During the second year, the only costs were for the maintenance of each license. The following savings are estimated for the following year:

- Average savings of 17.71 € per computer per year.
- A full ROI in less than two months based on a 230 business day year.

With Deep Freeze Cloud, the ISD was able to overcome these challenges using the platform's patented Reboot to Restore mechanism. While these problems are common in most ISDs, when they are combined with minimal resources and day-to-day workload, the effort needed to keep devices configured properly, endpoint management can become daunting.

Caixa Manlleu has now created different Power Plans adjusted to its different types of users: Central Services and Offices, Stock Exchange, Remote Users and Correspondents' offices. In each of these Plans, one or more Power Policies were applied. The Power Plans have been defined according to Caixa Manlleu's needs. These policies are:

- **Morning Policy:** The monitor is turned off after 16 minutes of inactivity.





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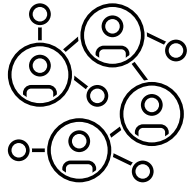
Mr. Jordi Soldevilla

Caixa Manlleu

- **Afternoon Policy:** The monitor is turned off after two minutes of inactivity. The hard drive is turned off after four minutes of inactivity and the computer enters Standby mode after 15 minutes of inactivity (five minutes for battery powered computers). Moreover, some definitions of inactivity have been created so Power Save knows when a computer is inactive. In addition to the inactivity of keyboard and mouse, a computer is also considered inactive when the activity of the disk, CPU, and network is less than 10%. Also, if a pre-defined critical application is running, no power saving actions will take place .
- **Night Policy:** The monitor is turned off after two minutes of inactivity. The hard drive is turned off after four minutes of inactivity and the computer enters Standby mode after 15 minutes of inactivity (five minutes for battery powered computers). Within this Power Policy the same definitions of inactivity as the afternoon policy have been created. In addition, if any of the specified applications are running, no power saving action will take place.
- **Patch Policy:** The monitor is turned off after two minutes of inactivity. Within this Policy the same definitions of inactivity as the afternoon policy have been created. In addition, if any of the specific applications are running, no power saving action will be activated.
- **Monitor-only Policy:** The monitor is turned off after 13 minutes of inactivity. No inactivity definitions are set to manager power on the computer. Similar to Morning Policy.

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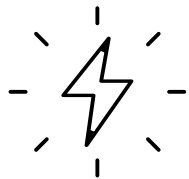
Benefits



Efficient Administration Through Dynamic Groups

The Faronics Core has allowed Caixa Manlleu to create and maintain dynamic groups of workstations according to their classification. Here are some examples of the dynamic groups used:

- Offices: All office terminals
- Offices - Servers: All servers in the offices. Its configuration is updated daily at 12:00pm.
- Offices - Terminals: All job positions in the offices. Its configuration is updated daily at 11:00am.
- SSCC - Granollers: All SSCC terminals of Granollers. Its configuration is updated daily at 10:00am.
- SSCC - Manlleu: All SSCC terminals of Manlleu. Its configuration is updated daily at 10:00am.
- SSCC - Millenari: All SSCC terminals of Millenari. Its configuration is updated daily at 10:00am.



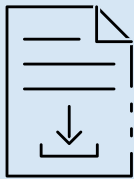
Solution for Hidden Energy Costs in Standby Mode

During the testing phase Caixa Manlleu detected equipment that failed to save energy in Standby, or Hibernate mode. By simply pressing a key or moving the mouse, a computer could be activated. Such issues were dependent on the computer model, the type of keyboard and the mouse. The latest version of Power Save has introduced the option to configure which devices may or may not activate the computer when the equipment is in Standby or Hibernate mode, allowing clients to control this option and save even more energy.



Creation of Reports

Power Save also allows Caixa Manlleu to generate different types of reports, including Audit Only and Full Operation reports. Audit Only reports showed potential savings without actually taking any power saving actions on the machines, while Full Operation reports provide actual savings details in both Euros and kilowatt-hour. Reports include total energy savings, savings per workstation, and CO2 savings equivalents such as cars off the road and barrels of oil.



Save Open Documents

Power Save's Save Open Document feature ensures Power Save saves any open document to a pre-defined location on the workstation. Documents such as Microsoft Word Documents, Excel spreadsheets, PowerPoint presentations, and Outlook and Lotus Notes (E-Mail drafts, to-do list, meeting planner, and calendar) are automatically saved prior to the system shutting down to conserve power.





Energy Saving

The functionality of Power Save has allowed Caixa Manlleu to save energy safely during the computer inactivity periods while offering its users full availability anytime they require it.

A graceful shutdown is now possible because of the intelligent PC power management of Power Save. For example, Caixa Manlleu can now have specific inactivity definitions for each Power Policy allowing Power Save to take into consideration, not only the inactivity of the keyboard and mouse, but also the percentages of disk, CPU, and network activity, and the execution of critical applications.

Finally, the decreased computer usage has also helped Caixa Manlleu enjoy the environmental benefits of a reduced carbon footprint while increasing the life of each computer.



To learn how your computing environments can benefit from Faronics Solutions, visit

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