



**Telia Cygate extends
lifespan of computers
at Mio**

Telia Cygate's proposed solution focused on extending the life of existing computers by switching to and installing the Igel OS operating system, which compared to Windows 11 has significantly lower hardware and performance requirements.

The solution proposed by Telia Cygate, will make it possible to extend the life of computers while at the same time shortening start-up times and reducing waiting time when logging in to administration and store inventory management systems and more. By keeping a large part of the old hardware inventory, the cost of new computers can be postponed. Today, around seven hundred of Mio's 1,200 computers have received the new operating system and the rollout continues.

Igel OS effectively works like a thin client and is developed to work well with remote desktop services such as Citrix DaaS, Azure Virtual Desktop, VMware Horizon and web-applications. Since Mio has stores in over seventy locations in Sweden, the value created by Igel OS in terms of easier administration and better user experience cannot be underestimated.

An additional benefit of the switch to Igel OS is that security has improved. The platform comes with centralized features for managing and monitoring the IT environment that make it easy to centrally manage device configuration as well as rolling out updates and new security policies. The basic structure of the operating system also prevents users from accidentally installing malicious software. Any malware will be removed when a device is rebooted. The design of the operating system brings both increased security and higher operational reliability.

"We are currently carrying out a successful rollout of Igel OS on our computer estate. One of the biggest benefits for our stores is that the performance has improved. It is also consistent with our ongoing sustainability work to extend the lifespan of our existing computer inventory by many years by using Igel OS."

Tobias Larsson
CIO at Mio AB



A forward looking franchise

The stores of Mio are owned by individual retailers who operate within Mio's business concept, in harmony with changing needs of local markets. There is a strong entrepreneurial culture within Mio and an openness to applying smart solutions that support sustainability. One example is the work to streamline purchasing and data operations. With this perspective, it is only natural to work with the latest IT technology to find solutions that can reduce the cost of electricity and reduce climate impact. The operating system from Igel contributes to a reduced carbon footprint as existing hardware can continue to be used for a longer period. At the same time, it is possible to optimize resources within the IT infrastructure and to reduce energy consumption. An independent study has shown that switching the operating system from Windows to Igel OS on the same hardware reduces energy consumption by an average of 30%. [1] Overall, Mio's choices provide both cost savings and environmental benefits.

Upgrades for a longer hardware cycle

Some of the hardware found in Mio's network of franchisees will need to be upgraded to run on Igel OS for another 10 years. This project has begun, and Mio will centrally offer an upgrade to Igel OS for all approximately 1,200 computers out in the stores. Igel OS, unlike Windows, contains only essential functionality that is needed by the headquarter and franchisees. This is something that also improves IT security.

The Igel OS operating system is so efficient and minimalistic that it can fit on a USB stick and, if necessary, run directly from the stick. Most computers used in stores are thin clients that only contain the software Mio's employees need to be able to check on stock balances, delivery times and see customer data. The waiting time when logging in to these clients is now down to a third of what it used to be. What used to take 20 seconds in practice, now only takes 7 seconds with Igel OS.

[1] "In fact, research shows by running IGELO OS on an endpoint device that offers a small carbon footprint from both an embodied and use perspective, power consumption can be reduced by more than 22% up to 49%."

Telia Cygate has a unique expertise in the field of Igel OS. Simon Binder, Workplace & Security Architect at Telia Cygate, is one of the people collaborating with the customer Mio. Simon is also an appreciated lecturer who often talks about the benefits of Igel OS. Telia Cygate is one of Igel's seven highest certified partners in the world.

A positive influence on customer experience

For Mio's customers, the benefit of an implementation of Igel OS will primarily be noticeable in that staff will have better support to serve customers and be even more focused in the valuable customer dialogue. Data about store inventory can be made visible to customers on www.mio.se where they can log in via Bank-ID and create a personal profile. On the Mio site, customers can book appointments with a store representative, check if a specific product/piece of furniture is available in the store or make and online order for home delivery.

Technology/Goals

- Extend the life of computers at HQ and in franchise stores
- Ability to run the operating system from a USB stick and work with thin clients
- Shorten startup and login times
- Provide a consistent and streamlined operating system experience
- Centrally manage software updates
- Save energy and reduce carbon footprint

Independent studies have proven that sustainability effects that can be gained by using Igel OS. Contact us to learn more.

Mio is a well-known Swedish retail chain for furniture and home furnishing with more than seventy stores. Mio have helped its customers to furnish and make homes places to enjoy and be proud of since 1962. In the autumn of 2022, Mio were required to upgrade its entire computer fleet and the operating systems. When Mio's IT department requested quotes for the project, Telia Cygate offered a unique solution. To keep much of the existing hardware and switch to the less performance demanding Igel OS operating system, instead of going for new computers and a full upgrade to Windows 11.



Short start-up times and faster login with thin clients

Igel OS works much like a thin client and is developed to function well with remote desktop services such as Citrix DaaS, Azure Virtual Desktop, VMware Horizon as well as web-applications.



Saving energy and reducing carbon footprint

An independent study has shown that switching operating systems from Windows to Igel OS, using the same hardware, will reduce energy consumption by an average of 30%.



Offer

Workplace.