

# SBB signals green.



The IT Department at SBB makes sure that the State railway's IT helps all users to carry out their work efficiently. For energy consumption, too, efficiency is top priority. This is why SBB's IT team has replaced 8,500 desktop PCs with laptops and Thin Clients.

«We have reduced electricity consumption for 19,000 workstations by a total of 25 per cent.»

**Peter Kummer**

CIO and Head of Information Technology at SBB

**Green ICT Facts**

**Energy savings: 1141 MWh/year**  
**CO<sub>2</sub> savings: 153 t/year**

The energy saved is equivalent to the annual electricity consumption of 228 households.

The CO<sub>2</sub> saved is equivalent to the annual CO<sub>2</sub> emissions of around 51 cars or the amount of CO<sub>2</sub> stored in 149 trees (more than three quarters of a football pitch of woodland).

Calculation model jointly developed and verified by:



**Initial situation: new workstation configurations needed.**

Around 19,000 workstations at SBB are linked to the OPUS operating platform used throughout the company. Previously, 16,000 desktop PCs and 3,000 laptops were used. SBB wanted to optimise their work with OPUS to improve cost, speed, energy consumption and ergonomics. What they needed was new hardware, which was precisely designed for the needs of a server-based method of working (Thin Computing).

**The solution: saving on power with Thin Clients.**

Swisscom IT Services was now on track to replace 8,500 desktop PCs – firstly, with 6,000 laptops, which use around two-thirds less electricity than desktops, and, secondly, with 2,500 Thin Clients, where power consumption is 85 per cent lower. The new Thin Clients are also attractive for other reasons. They work with a special operating system, which does not require a virus scanner and starts up very quickly. It only takes 90 seconds and the computer is ready for action. Compared to the previous model, the Thin Client

saves 50 per cent on hardware costs – to say nothing of the cost of the Windows licence. In addition to this, the computer works absolutely silently and does not contain any wearing parts, which increases its service life. Swisscom has provided SBB with an attractive overall package. Among from the inherent advantages (life cycle, logistics, workplace engineering), the company also gains from the roll-out, and the guarantee of reliable operation with high-quality service and regular innovation management.

**Customer benefits: a clear route and low energy consumption.**

«Overall, we have been able to reduce electricity consumption for the 19,000 workstations by 25 per cent», says Peter Kummer, CIO and Head of IT at SBB. «Swisscom has solved a complex task brilliantly: the demands our complex operating platform makes on the Thin Clients were high, the previous models had to be replaced within two months and the work had to be to a high quality. This is where Swisscom's experience with high-volume customers came to the fore. We benefit from an optimum cost-benefit model and excellent service.»



Further information can be found at  
[www.swisscom.ch/corporatebusiness](http://www.swisscom.ch/corporatebusiness)