

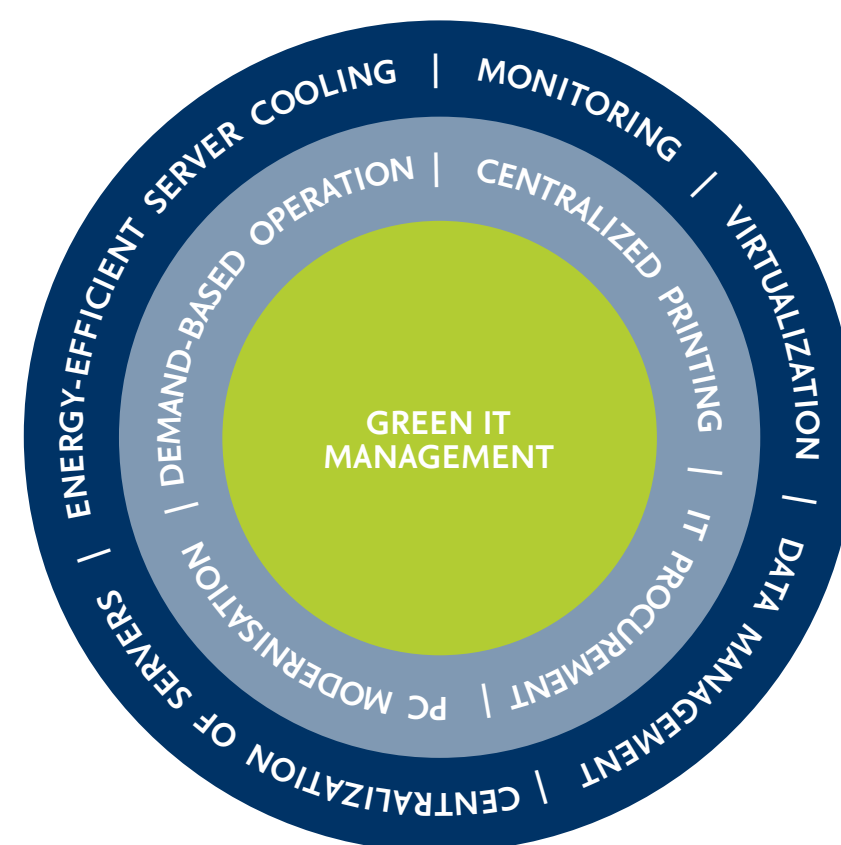


GREEN IT at Freie Universität Berlin



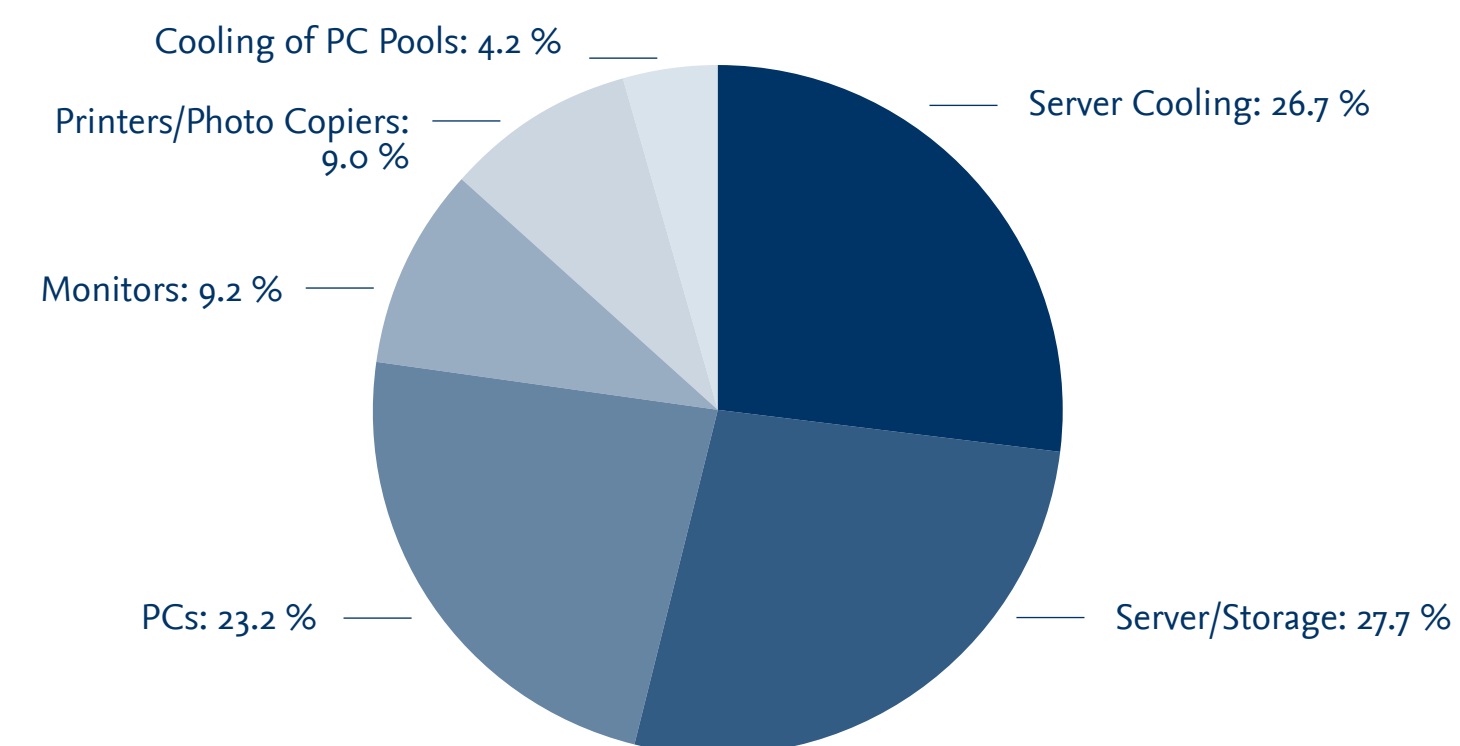
Green IT embraces the most energy-efficient operation of information technology and its infrastructure, e.g. devices like monitors, printers, PCs and data centres. The power consumption for IT at Freie Universität has been constantly rising due to increasing digitalization. It currently amounts to about 11 million kilowatt-hours per year. This corresponds to around a quarter of the total electricity demand of the university. In order to deal with the environmental and financial aspects resulting from increasing IT, Freie Universität's data center (ZEDAT) together with the sustainability and energy unit developed a Green IT action plan.

Elements of the Green IT Programme



IT Power Use at Freie Universität

11 Million Kwh (Corresponds to 1.8 Million Euro)



PC Modernisation Initiative

During the years 2011 – 2012 about 1,200 PCs of the outdated and particularly electricity-demanding Pentium 4 generation were replaced by modern, energy-efficient devices. The related electricity savings amounted to about 331,000 kilowatt-hours per year.

IT Procurement

A Europe-wide call for tenders with strict environmental and energy criteria ensured that only energy-efficient PCs, monitors, printers and notebooks are available for new procurement at Freie Universität. Most devices carry the eco-label.

Centralization of Servers

Servers are gradually moved from decentralized locations to the modernized data centres of Freie Universität. They have a more energy-efficient infrastructure and a higher security standard at their disposal than decentralized servers.

Demand-based Operation

The so-called power management ensures that PCs only run when necessary. You can get more information on setting up the power management on your PC on our homepage: <http://www.fu-berlin.de/en/sites/nachhaltigkeit/tips/index.html>

