

Green IT

The optimization of IT and telecommunications infrastructures and equipment offers great potential for improving resource and energy efficiency. One example here is the iDOMP global tender process for printers. This will gradually lead to a 32% improvement in energy efficiency across the printer fleet as a whole, compared to the printers replaced, resulting in annual energy savings of 2.18 GWh. At Audi the new data center which went live in November 2012 in Ingolstadt (Germany) is boosting the energy efficiency of the IT systems by one-third. An indirect outdoor cooling system uses outside air to cool the servers at ambient temperatures of up to 11 °C. Low-loss transformers boost efficiency and kinetic energy storage devices with a much longer service life than conventional batteries bridge any power failures. Technical inspectorate TÜV Rheinland has confirmed the effectiveness of these measures, and awarded the Audi data center a premium certificate for energy efficiency.