

More secure than secure

The 500 batteries in the data center of CSC - IT Center for Science located in Espoo, Finland, have a great deal of responsibility. Their performance and condition are measured by ABB's new AKKA battery monitoring system. If the power supply failed, the Internet connections of several institutions and online services of many Finnish organizations would also risk failure.

AKKA tests the hundreds of batteries in CSC's data center
once an hour



24/7
monitoring of the data center



The actual life cycle of the batteries is between
7 and 8 years



The batteries life cycle shortens when the temperature rises from the optimum
20 degrees Celsius



In case of power failure a
800 kW diesel generator
is ready to step in



The fuel in the tank of diesel generator lasts for
72 hours



The N+1 -UPS emergency power system produces electricity for the data center for
20 minutes



Over 10 years
without breaks in the production

