



Assisted living for the future
trust in energy-efficient
Aperio® access control

ASSA ABLOY

The global leader in
door opening solutions

The energy efficient access solution with Tidomat and Aperio®



"We need to think in the long term—smart and sustainable. We've never built anything with such advanced requirements before."

Åsa Jernbom,
planning secretary at Umeå Social Services



Company

Company: Äldrecentret (elderly centre) Teg
Segment: Health and social care
Location: Teg, Umeå, Sweden

Aperio® Partner: Tidomat smartONE
Aperio® devices installed:
100 Escutcheons, 10 Cylinders
RFID technology: EM

Challenge

The largest city in northern Sweden, Umeå built a new flagship assisted living facility in Teg to provide accommodation and on-site rehabilitation for people with dementia and physical illnesses.

Technology is at the heart of the new centre. Hearing loops are built into the floor. A digital signboard showing activities, this week's menu, and who lives where meets visitors at the entrance. Each room has outlets for cable TV and internet service.

Key requirements for the facility's locking system included:

- A people-centred, secure electronic access control system that would be suited to keeping a vulnerable client group safe
- Sustainable technology to limit the carbon footprint and cut unnecessary energy use at the new facility

Solution

The assisted living facility in Teg aims to set a new gold standard, and demanded a 21st-century access control. The choice was Tidomat integrated with Aperio® technology from ASSA ABLOY. Each of the 110 Aperio® equipped doors is connected to the access control system wirelessly.

The energy efficient access solution with Tidomat and Aperio®: Cabled access control doors are expensive: installation requires extensive wiring, and powering the locks needs a permanent connection to the mains. Aperio® wireless locks are battery powered, and so use much less energy than wired magnetic security locks. They only "wake up" when a credential is presented to the reader. An Aperio® wireless lock and reader combined uses only 0.001 kWh of

energy per year—compared with 55.2 kWh per year for a typical wired mag lock and reader.* The Tidomat system with Aperio® wireless locks is future-proofed and will allow for flexible changes and extensions as the Äldrecentret requires at a future date.

"This is the first step," said Åsa Jernbom, planning secretary at Umeå Social Services, "because we're going to build more assisted living facilities, so we need to think in the long term – smart and sustainable. Umeå is setting the standard with this new facility."

* based on the Aperio® Whitepaper:
"Energy efficiency - it's in your hands"