

Smart, sustainable control at Haus der Digitalisierung

Harnessing data from integrated systems increases security, efficiency and sustainability



Facts at a glance

- 4,200 m²
- Multi-use space – exhibitions, events, offices, university
- Integration with IoT app

In 2023, Haus der Digitalisierung hosted:

- 13,500 guests
- 1,005 under 18s
- 73 events

Haus der Digitalisierung is home to a variety of public, commercial and educational activities. It opened in Tulln, Austria, in January 2023, and owners [ecoplus Digital GmbH](#) have big ambitions for a finely tuned building supported by interconnected digital systems. They chose [AEOS physical access control](#) as an integral part of this ecosystem.

Several activities in one building

Haus der Digitalisierung hosts a large, digitally powered space for exhibitions. It includes a stage and is also used for events for up to 420 people. On the first floor, ecoplus Digital rents office space to service companies in the digitalisation sector, and the second floor is used by [Wiener Neustadt University of Applied Sciences](#). There's also the FabLab science laboratory, where children and young people can experiment with creative activities such as 3D printing, laser cutting and virtual reality. And the building has a restaurant that's open to the public.

Different security levels for different spaces

This combination of activities means that the various public and private spaces each need very different security policies and measures. The university labs, for example, hold equipment that needs to be secured. Meeting rooms must only be accessible for authorised people at the right times. Safety standards must be met to protect tenants. And cybersecurity is just as important for Haus der Digitalisierung as physical security. In fact, in 2024, its focal points are AI and cybersecurity, and this is reflected in their Smart Data + You exhibition.

Content for this and other exhibitions is displayed on vast digital screens. So, again, security must be considered; ecoplus Digital doesn't want unauthorised people to access their systems and change the content on the screens or shut them down.

Despite all this, it's important visitors feel welcome and comfortable, so security measures shouldn't be intimidating or inconvenient.

Aiming for smart sustainability

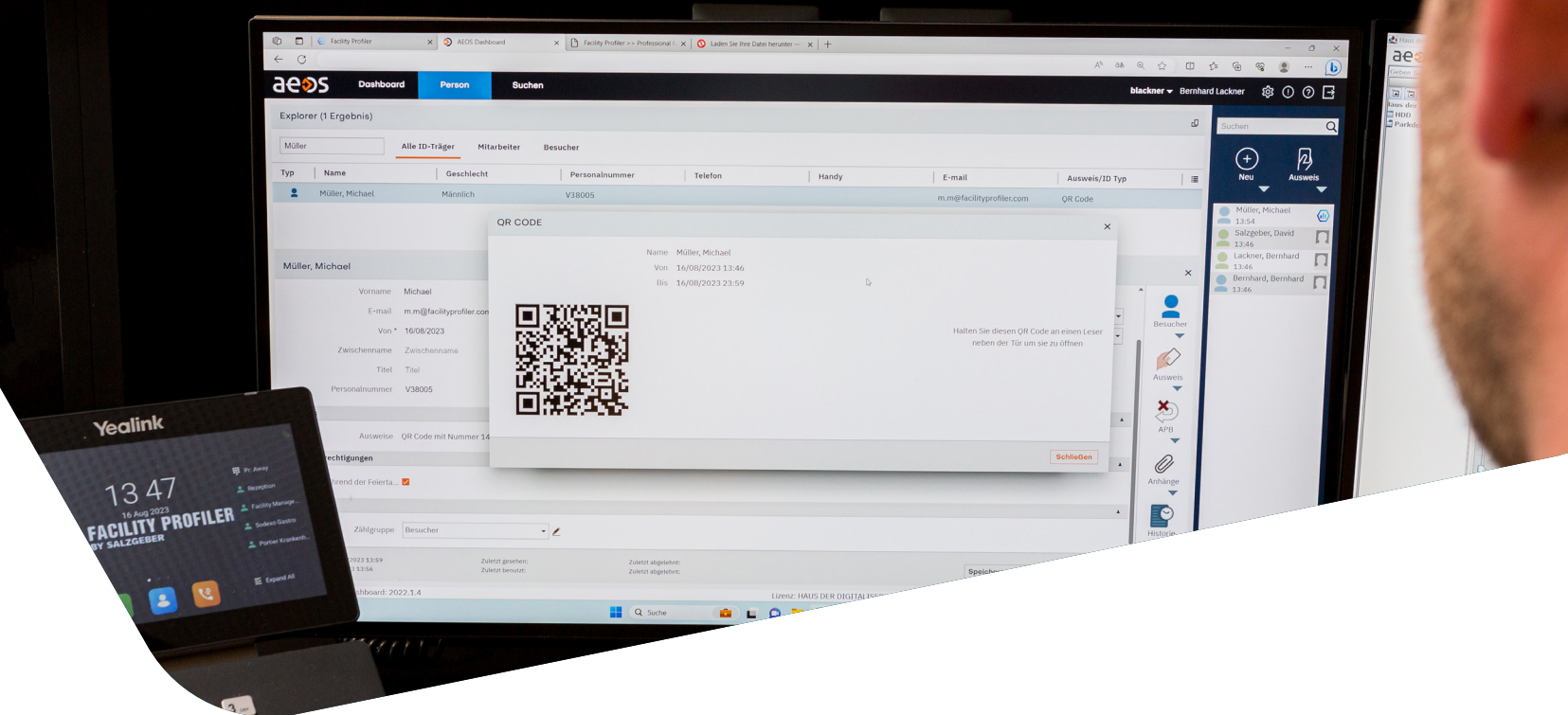
Tulln, where this property is based, is working towards being a smart city with a goal of being [climate neutral by 2040](#). So, to support this goal, ecoplus Digital want to run the building as sustainably as possible. As part of that, they want to use and test a range of facilities management integrations at Haus der Digitalisierung. And they need a [physical access control system](#) that can support that aim.

Partners that add value

ecoplus Digital came across [Salzgeber](#) – [Nedap's](#) expert partner, during the construction of Haus der Digitalisierung. They chose to work with Salzgeber because of the added value they can provide. Salzberger not only offers [AEOS](#), Nedap's physical access control system, which is flexible, easy to integrate and [cybersecure](#). They can also establish the integrated ecosystem of facilities management technologies that ecoplus Digital was looking for.

An innovative, digital mindset

Salzgeber developed an internet of things (IoT) application called [Facility Profiler](#) that they continue to expand and



improve. ecoplus Digital was pleased to find a partner in their region with the same innovative, digitally led mindset as themselves. And they enjoyed working closely with Salzgeber on many of the systems for this building.

"We have high aims for sustainability and digital connectivity at Haus der Digitalisierung," says ecoplus Digital CEO, Lukas Reutterer. "So it was really important to find a likeminded, local partner to help realise our ambitions through close collaboration. Salzberger fitted the bill and we're delighted with their innovation and the integrations they've put in place. AEOS works with their Facility Profiler app, to not only keep the building safe and secure but to provide really valuable data. We're already starting to use that and other data available in Facility Profiler. And we can see how, as time goes on, it will become even more valuable as patterns emerge and anomalies stand out."

Customisation through collaboration

Haus der Digitalisierung is a really unusual project in the way it combines such a variety of functions under one roof. The challenges it brought were new for everyone, so a customised approach, centred on the building's specific needs, and strong collaboration were crucial.

Salzgeber worked hard to put themselves in ecoplus Digital's shoes and offer them the best options. As David Salzgeber, CEO at Salzgeber says: *"We're a solution company that makes solutions. We want to understand the customer and bring them a solution."*

This was exactly how Salzgeber's Facility Profiler IoT app was created – by digging deep to understand customers and work out what they actually need and want.

Integration makes everything clear

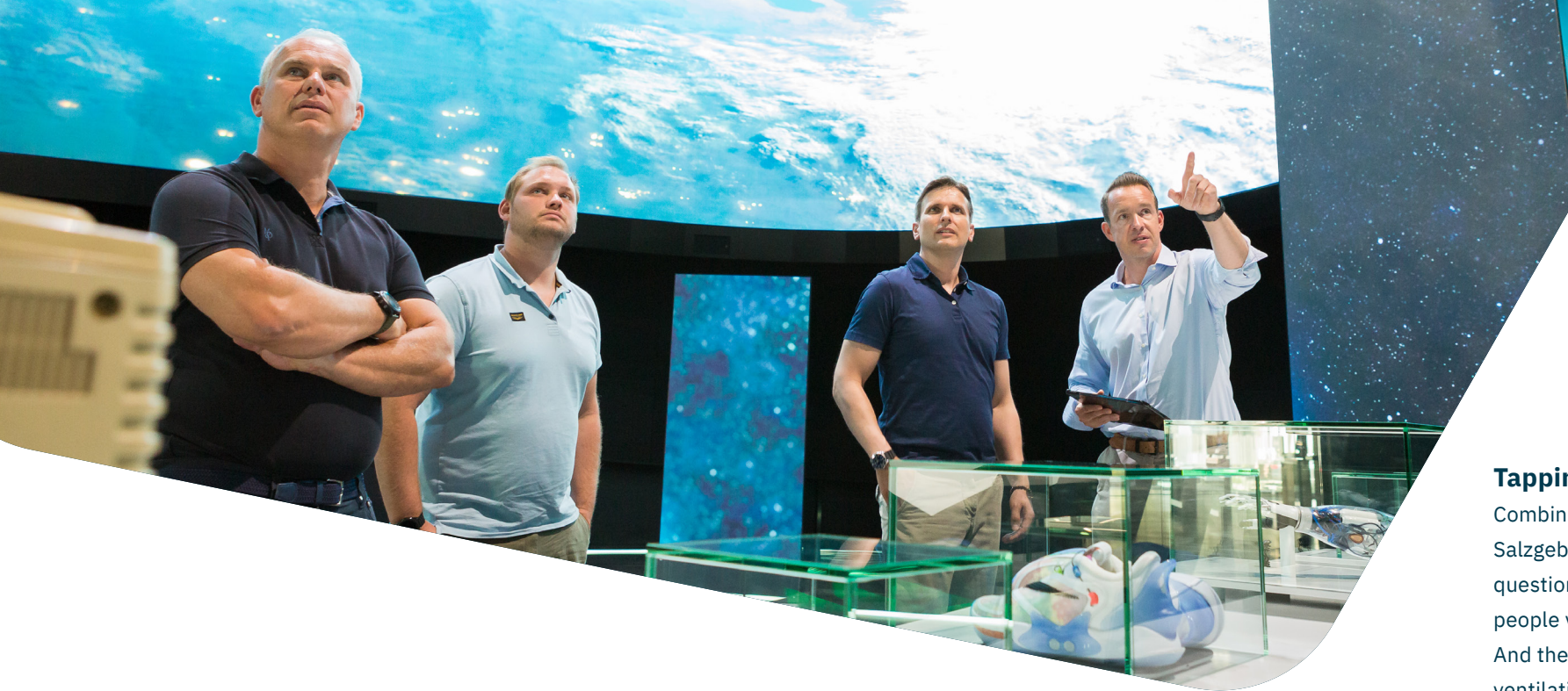
At Haus der Digitalisierung, Facility Profiler is integrated with AEOS physical access control, and both are integrated with various other systems in the building. So, Facility Profiler brings together a range of technologies – and the data from those technologies – on one straightforward platform.

It makes everything visible and easy to manage on a virtual dashboard, including access authorisations, alarms, CCTV cameras, room bookings, building management and more. It's clear, at a glance, if something's wrong and saves time while also increasing security and sustainability.

Easy for employees, convenient for visitors

Let's look at this in the context of booking a meeting room, for example. Facility Profiler and AEOS are integrated with a booking system for the building's 14 meeting rooms. When someone books a meeting room, access authorisations are granted and a QR code is automatically sent to external





attendees to give them access to the room. A digital door display automatically shows which meeting is taking place there. And employees authorised to attend the meeting can use their access badge to enter the room five minutes before it's due to start.

Haus der Digitalisierung's car park is also integrated with Facility Profiler and AEOS and can be accessed using an employee badge or a QR code. So, visitors can use the same QR code to access the car park that they were sent to access the office areas, a meeting room or an exhibition.

Facility Profiler's virtual dashboard gives a clear overview of parking spaces too. So, the building management team can immediately see if a tenant has used all their parking spaces, for example, and needs to make room for a visitor.

Everything's organised automatically, which saves lots of time for employees, and makes the experience much smoother for guests.

Saving energy, reducing costs, boosting sustainability

Energy monitoring is another important aspect of the solution Salzgeber created for Haus der Digitalisierung. The systems Salzgeber integrated there include access control, heating, ventilation, a weather station and more. This makes it really easy for ecoplus Digital to monitor their systems, and use past and present data to understand, improve, predict or prevent certain situations.

They can determine, for example, why it takes more energy to heat one part of the building than another. The dashboard may show that it's because the door in one space has been opened more times or for longer than the door in another space. This ability has already proved valuable as, based on data provided by the system, ecoplus Digital discovered a pipe was blocked and was affecting the heating system's effectiveness.

David Salzgeber, CEO at Salzgeber says: *"It's great to see that Facility Profiler is already proving to be valuable at Haus der Digitalisierung. It's been used in several other projects, and we're continuing to build new functionality. We aim to add an escalation option, for example. So, if a customer doesn't want to manually check their system on a regular basis, their system will learn what's 'normal'. If measures go outside those parameters, the user will immediately receive a notification and tips on how to address the issue."*

Tapping into the weather

Combined data from AEOS and the weather station Salzgeber integrated at Haus der Digitalisierung can answer questions like how the weather affects the number of people visiting (which is counted and recorded by AEOS). And the Facility Profiler dashboard shows how heating, ventilation and air conditioning systems respond to the weather.

Facility Profiler is also helping to keep green areas such as flowerbeds and the building's planted façade irrigated in a sustainable way. Several sensors are installed to measure the temperature and moisture levels. If rain is predicted, for example, the irrigation system pauses. The team are also using this integration to investigate the impact of sun and shade on the plants.

Harnessing the power of connectivity and data

When viewed in isolation, some of the data from individual systems at Haus der Digitalisierung may have limited use. But combining a variety of datasets from different systems gives really valuable insights that ecoplus Digital can act on to improve sustainability, security, operational efficiency and cost efficiency. The building's digital solutions give them both the data and the means to take action. Because, at Haus der Digitalisierung it all comes back to the power of digital connectivity, and harnessing the valuable data this creates.

Our partners set AEOS's potential free

Stephan Gorek, Channel Partner manager DACH at Nedap says: *"This project has really underlined for me why we appreciate our Channel Partners like Salzgeber so much. A dynamic, future-facing partnership is so important on a pioneering project such as this. It adds so much value to end users – particularly those with a strong vision like ecoplus Digital. I'm excited to see how, together, we can build on the current set-up at Haus der Digitalisierung to create even more powerful digital connections as time goes on."*





About Nedap

For us, security isn't just about technology. It's about people and how they live their daily lives. It's about fulfilling your basic human need for security so you feel safe enough to make the most of life and work. In a way, true security is when you don't have to think about it.

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