

AEOS 3.1.6



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1 Introduction

In the security management world, change is the only constant factor. With many security systems, responding to this relentless change is time consuming and expensive. That is why Nedap developed AEOS, a truly integral security management platform that is simple and intuitive to use. The key focus in this is not the technology, but the way in which it is used on a day-to-day basis. Because of this, users make less mistakes, increasing your efficiency and security. This customisable approach has led to AEOS 3.1.6 – the most user friendly system that offers certainty in the ever changing world of security.

2 Foundation of AEOS

The development of AEOS is based on the daily use of the system by receptionists, guards, security managers and ICT managers. Because of this, we believe AEOS is the world's smartest security solution. We reinforce this by embracing the principles of: flexibility, cost effectiveness and ease of use. These principles guide everything we do.



Flexible: a security system gives you unlimited functionality, so you can set up your system to suit your needs exactly.



Cost effective: the costs for maintaining and extending your system can be minimised.



User friendly: One system is easier to operate and control.

3 Investment areas

Nedap Security Management has invested over 14 years in AEOS to develop a system that provides unlimited possibilities. Our key focus is the daily activities of our users. That is why we continuously develop AEOS - it always reflects changes in technology, security management and regulations. So you'll always have the **most up-to-date system** without having to invest in a new one.

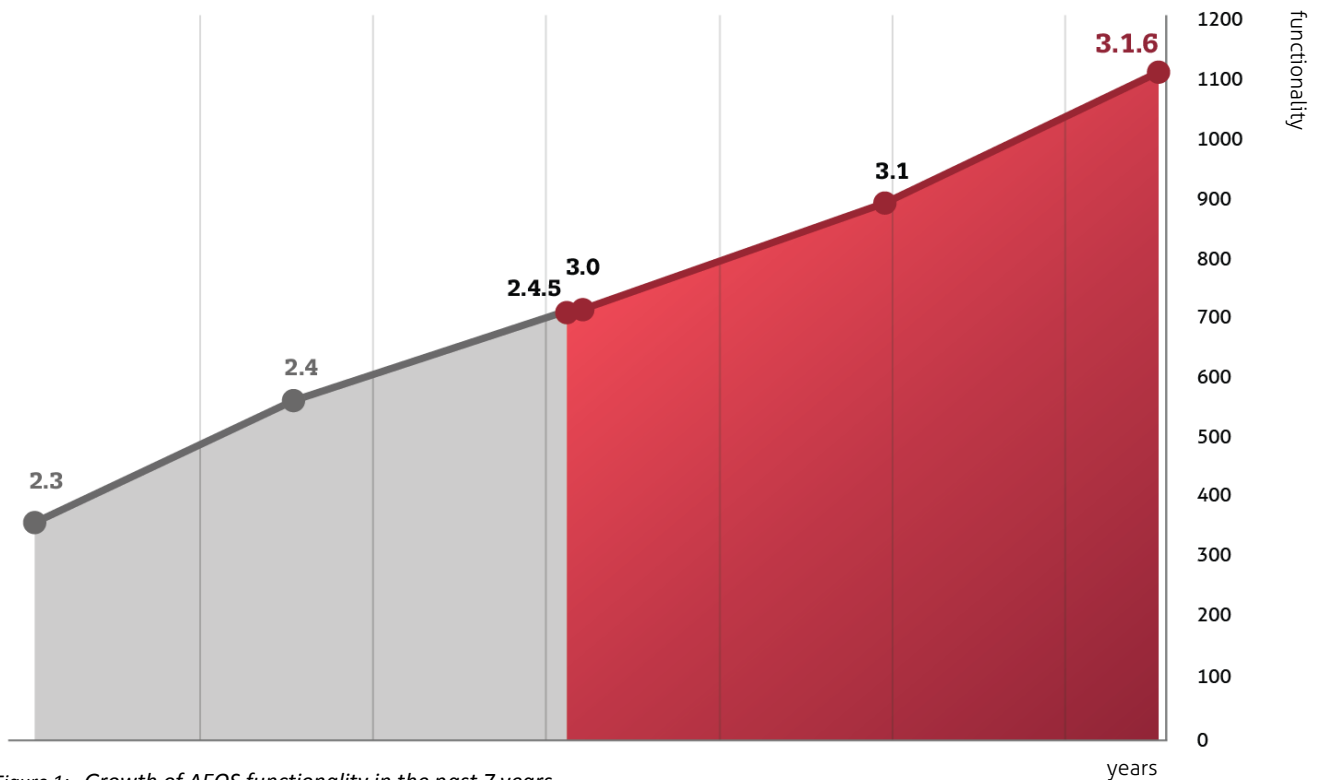


Figure 1: Growth of AEOS functionality in the past 7 years

AEOS 3.1.6 focuses on delivering a security system that delights users through experiences that are modern, accessible and optimised for the user. To deliver upon these expectations, we have focused this release around the following themes:



Everything in one view

Added functionality improves ease and reliability of interpreting events.



Platform enhancements

Robust platform capabilities offer you more freedom of choice.

4 Key investment overview

The following topics summarise the investments that are delivered in AEOS 3.1.6.

4.1 Everything in one view

You need to know exactly what's going on at any given moment. AEOS allows you to interpret events captured by your cameras quickly and accurately. When an event occurs, you can immediately retrieve the footage leading up to it to get an insight into what happened, without losing sight of the live footage.

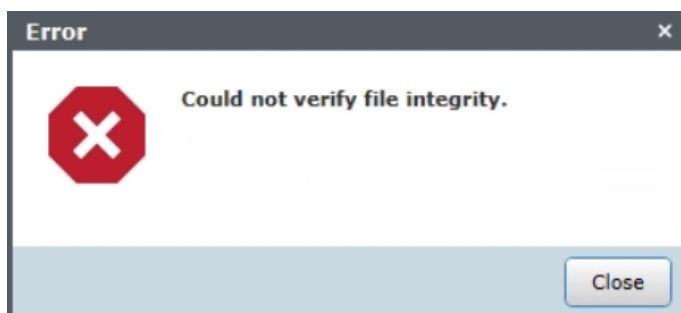
A complete overview with intercom

Intercom, video footage and access control are combined in the AEOS graphical alarm handler. In AEOS 3.1.6 it's possible to view footage from up to four different cameras positioned at an intercom location. You can set the order in which you want the footage to be displayed, as well as the position of the dialogue box on your desktop. As with all alarms in AEOS, once you've swiped the dialogue box to a specific position it will pop up in that position again when you reopen it for a future intercom event.



Footage authentication

You can export native files for viewing on our AEOS standalone player. This ensures all information from the camera is displayed, including the file name, corresponding camera and time period(s) of the footage. AEOS allows you to use digital watermarking by use of the included hash-file, generated during the export of footage. In AEOS 3.1.6 the hash file enables you to check the exported footage's authenticity; the AEOS standalone player checks whether the exported file matches the generated hash. AEOS will notify you with a pop-up message if the file doesn't match the hash.



4.2 Platform enhancements

We believe you deserve the security solution that fits your situation best. That is why we continue to invest in our platform. As a result the AEOS platform is up to date with the latest developments, while complying with the latest standards in security and technology.

Compatibility with Java 8

Since 1999, Nedap has used Java architecture as the basis for its security management platform, AEOS. Not only has Java been tested, refined, extended and proven over the last couple of decades, it was an obvious choice for other reasons too, including the fact that:

- AEOS can operate on all types of devices because Java is platform independent.
- Java can be applied to both embedded devices and server environments.

Oracle acquired Java developer Sun Microsystems in 2010. Since that time Oracle has released newer versions of Java to meet its security strategy. It's important to know that each version of AEOS is compatible with a specific version of Java. As soon as Java security patches become available we assess and test them with AEOS. AEOS 3.1.6 is compatible with Java 8.



Integrate readers through the Open Supervised Device Protocol

AEOS is unique in that it manages all types of sensors and devices at a controller level. Nedap uses open standards, such as the SOAA protocol. This enables you to select different best of breed technologies and use them together on the AEOS platform.

In version 3.1.6, AEOS supports the Open Supervised Device Protocol (OSDP) on the AEOS Blue door controller and door interface. This is a standardised protocol for the RS485 readers, so different readers from different manufacturers can be integrated easily using the same protocol. Examples of readers that support OSDP are HID, Contal and Evis. Implementing this protocol within AEOS allows you to select the readers that best match your policy and budget, or integrate legacy hardware into the same access control solution.

Changing door functionality remotely

AEOS accommodates functionality, for example access control, via software. This unique approach ensures you can change a door's functionality just by changing software, without installing new hardware. You can implement airlock functionality, for example, without adding new access readers. An airlock synchronises multiple access points in such a way that only a small number of people can gain access at a time as a second door will only be opened once the first is closed again.

This functionality is often used at banks, but also during winter periods in offices to ensure that two doors don't open at the same time so that the warmth stays inside. In AEOS 3.1.6 it's possible to turn the airlock functionality on or off remotely using a button on the graphical alarm handler, for example.

Airlock functionality can also be turned on and off using time schedules in AEOS. This is useful when the airlock functionality is needed only during certain times, or when both entry and exit doors must be open at the same time.

5 Conclusion

Nedap creates added value with products that solve relevant problems. That is why we talk about *technology that matters*. The key focus in this is not the technology, but the way in which it is used on a day-to-day basis. The distinctive aspect of Nedap solutions is that new technologies are processed in a creative and innovative way to create elegant, user-friendly products.

With AEOS 3.1.6 Nedap is committed to deliver this promise for the security market. It is truly an exciting time to engage in AEOS! This document focuses on our key investments in AEOS 3.1.6. Please take a look at our technical release notes for more detailed information on this release regarding access control, video management, intrusion detection, locker management and further platform enhancements. You can find our release notes at www.nedap.net. You can also contact Nedap directly.

For more details on how you can benefit from AEOS 3.1.6, please contact us, or take a look at our website www.nedapsecurity.com. We look forward to keeping you informed of the innovations and capabilities that AEOS will deliver both now and into the future.

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