



SMARTLIBERTY

— MORE TIME FOR CARE —

# Integration of third-party systems

Modern technologies in care:  
how SmartLiberty makes everyday work easier

In care facilities, employees are often faced with the challenge that different technical systems have to work together. Processes can only be made more efficient and secure if they communicate smoothly. This is precisely where SmartLiberty comes in with its platform solution and offers a flexible and future-proof basis for care.

## What is a platform?

A platform is more than just a single technical system. It is a solid foundation that not only performs existing functions reliably, but can also be easily connected to other systems. This means that when new technologies or requirements are added, they can be easily integrated without affecting the existing system.

## Why is this important?

Care facilities have very different needs. Whether it's optimizing work processes, increasing security or introducing new tools - with the SmartLiberty platform, everything remains flexible and scalable. This allows us to respond individually to the wishes of our users and create solutions that really fit.

## What does this mean in practice?

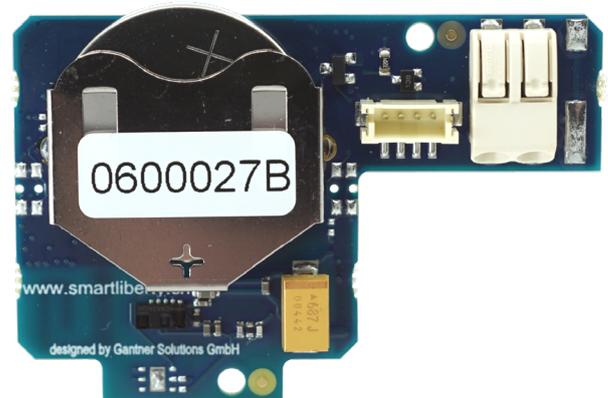
Thanks to SmartLiberty's platform architecture, functions can be quickly expanded and new technologies integrated. This means that maintenance is better equipped for current and future challenges. The result:

- Greater efficiency: fewer manual tasks and better collaboration between systems

- Greater security: processes run more reliably and risks are minimized.
  - Individual solutions: Systems that are perfectly tailored to the needs of care staff.
- With the SmartLiberty platform, we ensure that modern technologies do not become an additional burden, but actually make work in the care sector easier.

## **Integrate sensors easily - SmartLiberty makes it possible**

A wide variety of sensors are used in care facilities to provide important data, for example to prevent falls or monitor residents' movements. We have developed an innovative sensor card to ensure that all these sensors work seamlessly with the SmartLiberty system and that alarms are reliably displayed in the motica care app.



## **What makes the sensor card so special?**

The sensor card is a universal solution that replaces all wired components. This means that you can now easily connect various external sensors such as:

- Floor mats from Caremat
- Motion detector from Daza
- Bed sensors from Biglacare

and many other devices directly into the SmartLiberty system.

## **Simple integration for special sensors**

Not only standardized sensors can be integrated. Sensors for people with disabilities that are specially tailored to the needs of this group of people can also be easily connected. These include, among others:

- Push-buttons that respond to a press
- Sensors that respond to sounds or muscle tension
- Environment control devices that allow the environment to be customized

Dank dieser fortschrittlichen Technologie können wir sicherstellen, dass die Pflegekräfte immer die benötigten Informationen erhalten, um schnell und sicher handeln zu können.

Thanks to this advanced technology, we can ensure that care staff always receive the information they need to act quickly and safely.

For even more detailed information on release mechanisms specifically tailored to people with disabilities, we recommend our blog article [«Customized release mechanisms for people with disabilities»](#).

## Integration using RFID and NFC technology for safe and flexible use in care settings

All of our badges - both for residents and staff - are equipped with modern RFID technology. This technology enables simple and secure identification of the badges via smartphones or alarm displays and the control of external systems, such as elevators or locking systems.



## Versatile integration of NFC technology

For systems based on NFC technology, we have the option of integrating external chips such as Legic or MiFare. This means that you can easily connect different systems and devices without having to switch to new technology.

Various badge options for greater convenience

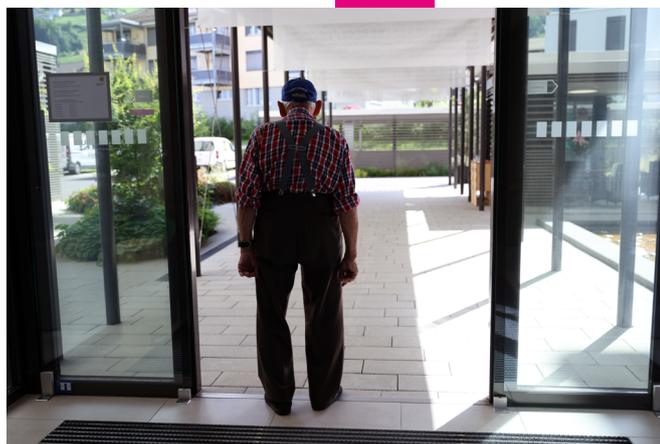
- **Resident badges:** These are ring-shaped and can be worn comfortably on a strap. They are easy to put on and take off.
- **Personal badges:** These flat, compact chips can be worn inconspicuously behind a viewing window without getting in the way of everyday life.

## Expansion options for additional applications

Thanks to the flexibility of our badges, we can also enable additional integrations. These include

- **Cashless payment systems** for the cafeteria or vending machines
- **Parking solutions** for employees
- **Access control systems** such as Dormakaba, Salto and Glutz

Thanks to these versatile application options, our badges offer an efficient and practical solution for everyday life in the care facility and create more safety and comfort for everyone involved. Sicherheit und Komfort für alle Beteiligten.



## Integration through I/O modules - access control made easier

Modern technology is used in many areas of care to make everyday work easier. I/O modules are an important part of this technology. These control the input and output processes and ensure that devices such as automated doors react correctly to the presence of people.

## What does an I/O module do?

An I/O module ensures that doors open or close as required. In combination with a location marker, it recognizes who is in front of the door and decides who has access based on predefined rules. For example, the door can open if an authorized person with a badge is nearby.

Each door is connected to a lock that works with a control system. This system ensures that only authorized persons can pass through the door.

## How does the decision on who gets access work?

The system checks who is at the door and grants access according to the defined authorizations. If several people with different authorizations are at the door, the system uses a ranking system to ensure that a clear and regulated decision is always made.

## What does this mean in practice?

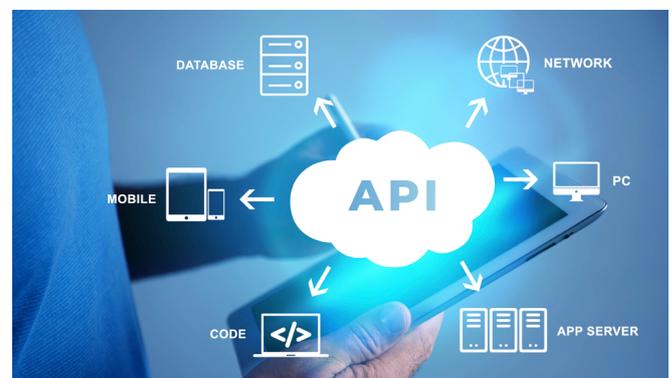
People with a badge can simply walk through the door as long as there are no special restrictions. The system ensures that access is always safe and smooth, without any additional complications.

In this way, the I/O module helps to regulate access to important areas quickly and securely - for everyone who is authorized to go through the door.

## Integration via API - open interface for efficient networking

An API (Application Programming Interface) is an interface that enables different software programs to communicate with each other. It acts as an intermediary through which programs can exchange functions and data without having to disclose internal details. This ensures that the systems work together without revealing their complexity.

Thanks to the API, the complexity of the individual systems is abstracted so that only the necessary functions are visible. The exchange between the systems takes place using defined protocols and formats, which makes it standardized and efficient.



## **Display and edit alarms with the Event API**

The SmartLiberty Events API enables third-party systems to transmit alarms directly to the motica care app. These alarms are then displayed on the SmartLiberty platform like any other - with a clear icon and all relevant information such as location, room number and name of the resident. Care staff can process these alarms directly on their smartphone and acknowledge the alarms globally thanks to the staff badge. This means that all open alarms for a resident can be ticked off at the same time without affecting system alarms such as battery alarms.

Thanks to the open interface, advanced technologies such as radar or infrared can also be easily integrated. These systems detect specific behavioral patterns, such as getting out of bed, restlessness or falls. Examples include sensors such as Qumea and Nobi, which monitor movements and facilitate preventive measures.

## **Data exchange with ERP systems via the Data API**

The Data API makes it possible to integrate information from ERP systems such as the Nexus Home platform directly into the motica care app. Important data such as names, room numbers and telephone numbers are transferred automatically. This ensures that data is recorded centrally and only once, significantly increasing efficiency and user-friendliness.

## **Conclusion**

The SmartLiberty platform offers a future-oriented basis for the integration of modern technologies. With sensor cards, RFID chips and open APIs, different systems can be connected with each other, enabling secure and scalable use. The platform is constantly being further developed to strengthen the industry with innovative solutions and to make its use ever more efficient. Contact us to find out more about our products and services!