e–shelter security

# — Automated access control for construction sites

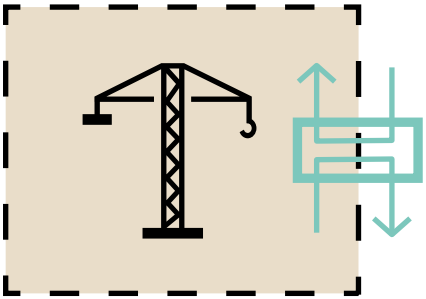
with documented occupational health and safety briefing

# — The secure access solution

With our modular access solution, you can control and document access to your site – including digital, multilingual safety briefing and real-time monitoring of all visitor movements on site.

The solution makes it easy to work closely with suppliers and their staff, in different languages and professions. It meets internal company requirements for health and safety regulations, such as the obligation to carry the correct documents and produce identification, plus the latest COVID-19 provisions, as well as the implementation of formal occupational health and safety obligations.

The container solution includes scalable modules that flexibly adapt to individual local requirements



## — Benefits at a glance

**Increase safety, security, and compliance**

- Border control-grade identity verification
- Enforcement of safety training
- Construction site dashboard with real-time verification status of safety briefing
- Minimization of liability risks
- Theft protection

**Save costs**

- Consistent integrated processes across all construction sites
- Easy management of access processes for project managers, trade section co-ordinators, compliance managers, etc.
- Automated training to reduce costs

**Improved user experience**

- High user-friendliness, multilingual, visitor-specific animated safety briefings (construction, structural engineering, etc.)
- Self-service terminal
- Digital process & detailed reports

**Flexibility**

- Distinction between general, country-specific, site-specific, and job-specific training
- Training content adapted to specialist job profiles such as mechanics, technicians, engineers, construction workers, etc.

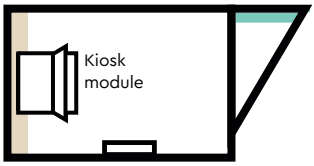
Solution for construction site access with an integrated instruction and access control system. Weather protection and climate control ensure comfort.

# — Modular and easily adaptable

## The container for construction site access is based on a modular concept.

The individual layout can be expanded or reduced at short notice, even during operation.

In addition to the turnstiles for individual access control, the solution includes modules for authentication, instruction, and automated badge issuance, as well as a material sluice and a climate-controlled room for security personnel.

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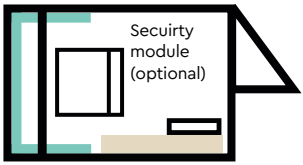


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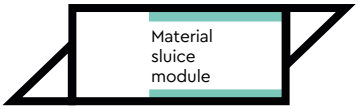
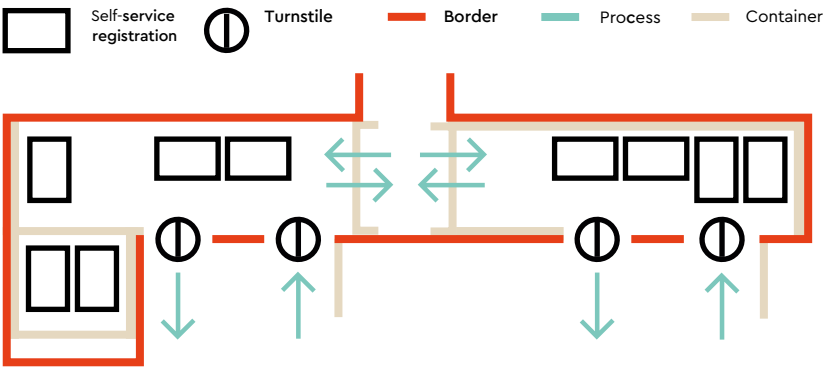
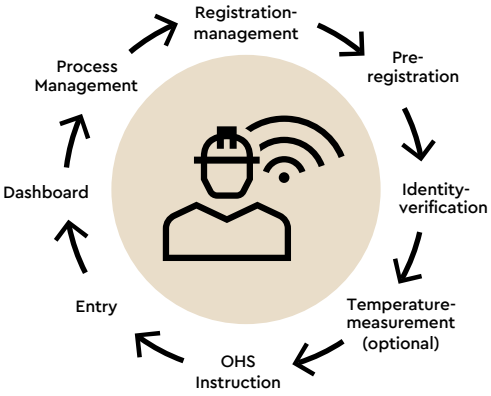


# — Example of a module combination

Access to construction sites is managed with our integrated platform solution as a managed service. All modules can be placed according to the specific on-site conditions and are scalable in terms of capacity.




# — The plattform



Self-service kiosk for authentication, instruction, and badge issuance

# — Use cases

### Training
— Visitor-specific safety training, e.g., mechanics, facility management, maintenance
— Multilingual and animated video tutorials

### Online check-in
— Online Pre-registration
— Pre-Briefing (Security)
— Signing of documents

### Identity check
— Verification of ID-documents
— Biometric facial recognition

### Compliance
— Digital, automated, audit-proof documentation (NDAs, safety instructions, complete management of other documents such as proof of minimum wage, etc.)

### Control center
— Connected 24/7 (with fallback solution)
— Intercom functionality

### Health & Safety
— Visitor briefing
— Contactless temperature measurement (optional)

### Material sluice
— Dedicated material sluice
— Manually operated and access-controlled if required

### PPE recognition
— Automated recognition of personal protective equipment (PPE)
— RFID: helmets, masks, etc.

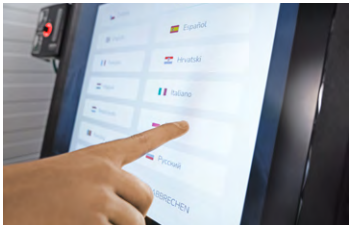
### Dashboard
— Visitor Profiles
— Guest log system
— Real-time dashboard for monitoring access and compliance status

### Check-out
— Seamless check-out
— User journey analysis

# — Processes for enhanced control & security

Automate your construction site access with identity verification and language selection.

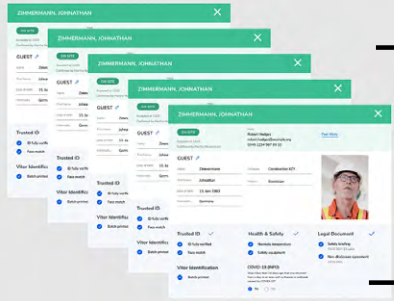
Verify identification documents at border control level, compliant with GDPR, covering over 4,000 ID documents from 196 countries.



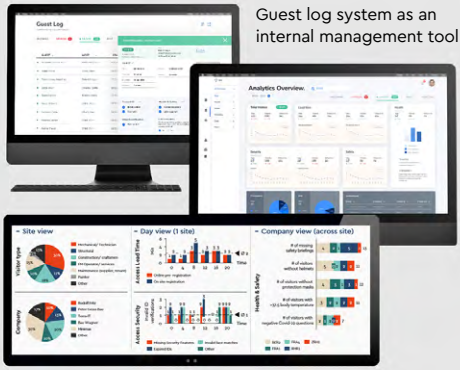
Customizable language menu for tailored user experience.

# — Data processing

A management system for the easy administration of access processes, including management dashboards.



Visitorprofiles with structured informationen



Guest log system as an internal management tool

Real-time dashboard for access monitoring

# — Facial recognition

Using biometric facial recognition, we ensure that only authorized and properly trained individuals gain access to the construction site. The live image is matched against the biometric photo stored in their ID for verification.

# — Simple configuration

## Easily adapt the platform and training content to the specific requirements of your construction site and workforce.

You can design training modules for various specialties such as mechanics, technicians, engineers, construction workers, and craftsmen, with tailored content. Only relevant information and effective, job-specific training is provided and can be adjusted effortlessly. It is also possible to differentiate between general, country-, location-, or job-specific content.

All data is securely documented and automated. Workers don't need to be on-site for training; they can conveniently complete the safety instructions via a personal device (e.g., mobile).

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## — Discover our construction site access solution

We are ready to assist you in designing a flexible and intelligent access solution to ensure safety and health protection on your construction site. Schedule a presentation with a live demonstration of real-world use cases at info@e-shelter.io

For more information: e-shelter.io

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