

## Secure workforce authentication at construction sites with BioSec's biometric technology

### The Client

- Construction enterprise

### The Requirements

- High security solution
- Fast authentication time
- Authentication of large numbers of people with 1:n
- Resistance to dirty hands and surface injuries
- Resistance to harsh environments
- Prevent any misuse of personal identity
- Outdoor use
- Large numbers of physical workers will use the system

### Main benefits of using BioSec's biometric technology:

- Ensures an outstanding level of security
- Ideal for large number of users
- Easy to integrate with existing 3<sup>rd</sup> party systems
- No need for bracelets or RFID cards, which can be lost, misused, changed or stolen
- Simple to use and convenient
- ~1 second authentication time
- 1:N or 1:1 authentication options

### Parts of the system:



Triple1



PS Guide

### The Client:

Since construction sites involve unique security challenges, a German construction enterprise has decided to choose a unique solution to answer these challenges. The project was realized by our German strategic partner, Secobit GmbH.

### The Challenge:

The enterprise needed an authentication solution, which not only provides an outstanding level of security but also ensures simple and fast authentication in dusty outdoor environments. Further expectations included resistance to dirty and injured hands. In addition, it was also important to find a solution, which can be easily installed even on a temporary basis.

### The Solution:

To answer all the above challenges, the construction enterprise has chosen BioSec's palm vein recognition based physical access control solution, the GateKeeper. The BioSec system was deployed in a container at the construction site, ensuring 1:N authentication. GateKeeper provides an outstanding level of security, ease of use and fast authentication time (~1 second) for a large numbers of users at the construction site, which has already been proven in the field of stadium security. GateKeeper ensures a cost effective solution, since the user only needs his/her hand for authentication, thus the costs of replacing stolen or lost access cards can be completely eliminated. In addition, the biometric solution ensures that only authorised users can enter the construction site and banned people can be kept outside of the area with the greatest certainty. By using BioSec's GateKeeper solution, installed or flexible authentication points can be applied, where the user just simply put his/her hand above the biometric device, which can be also used contactless.

### The Benefits:

GateKeeper provides an outstanding level of security and a cost effective solution, where the user only needs his/her hand for personal authentication. With GateKeeper, only those employees can enter the construction site, who have already attended e.g. Occupational Safety and Health Training (can be included into the right management). In addition, an automatic alcohol tester device can be also connected to the system.