



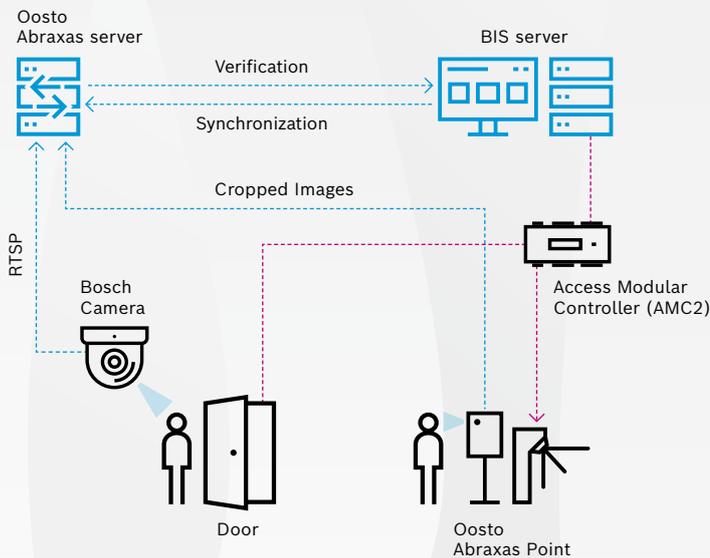
BOSCH

Invented for life

Integrated access control solution

Seamless entry

Bosch Security and Safety Systems and Oosto



- ▶ Integration of Building Integration System and Oosto Abraxas for seamless entry
- ▶ Facial credential as means of identification
- ▶ Fast and hygienic access control solution
- ▶ Highly secure and accurate access management



The integration of the Building Integration System (BIS) with Oosto's facial recognition solution Abraxas offers a highly resilient, touchless access control system for seamless entry.

An intelligent Bosch video camera (e.g. Flexidome 4000i) captures the facial details of the person that is requesting access and sends it to the Oosto Abraxas server where it is matched against pre-enrolled facial credentials in the database. If there is a positive match, the command to grant access is sent via BIS to the Access Modular Controller (AMC2) and the door or gate opens.

The integration provides highly secure, accurate and seamless access management based on state-of-the-art face recognition. Using Oosto face recognition as a credential allows for fast and non-invasive identity verification. As the identification does not require any physical contact between the person and the access device, it is highly hygienic.

Moreover the integration is very convenient for the user because neither a card nor a PIN needs to be carried or remembered to be granted access.

For highest security, the solution can be combined with access control via card and keypad readers to allow for multi-factor authentication. In this case, the person requesting access needs to present a card to the reader or enter a PIN in addition to the face recognition.

Compatibility

Oosto	Bosch devices
Abraxas server v1.01 (and higher)	Building Integration System 4.9 (and higher) Access Modular Controller Camera requirements: minimum resolution 2 megapixels, minimum face size 60x60 pixels, e.g. Flexidome 4000i series (please consult your local sales representative for more information)

Applications / Vertical Markets



Office / commercial buildings



Hospitals and health care



Government buildings



Industry and manufacturing plants

Key features

Scalability

The Building Integration System is highly scalable and can thus be extended to the customer's needs.

Rugged and proven access control hardware

The Bosch Access Modular Controller (AMC) hardware used by the Building Integration System is rugged enterprise-level access control already active at thousands of installations and therefore highly reliable.

Highest accuracy and robustness

Oosto's Abraxas recognizes individuals with 99.9% accuracy rate.

Highly hygienic

No physical contact between person and device is needed, making the process very hygienic.

How does the solution work?



1. Person approaches gate
2. Camera captures face and sends it to the Oosto Abraxas server
3. Oosto server looks for matches in the pre-enrolled facial credentials
4. Positive match: the command to grant access is sent via BIS to the Access Modular Controller (AMC2)
5. Gate opens

The Bosch division Security and Safety Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security and Safety Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

Oosto is a world-leading developer of face identification and object recognition platforms, that operate in real time and in real-world scenarios. The company's mission is to re-shape the future of Artificial Intelligence and create a safer, better tomorrow.

Additional information can be accessed at www.oosto.com