



Securing Construction & Critical Infrastructure










Due to the nature of construction sites being both busy and dangerous environments, it is essential that security measures offer a robust solution without having to compromise on performance. **ievo** solutions have been designed to operate in a variety of challenging environments offering accurate and reliable results without impeding safety.

SOLVING PROBLEMS

Construction environments are, by trade, notorious when it comes to dealing with levels of dirt, grease, dust, or moisture present on the skin. This type of environment can often hinder biometric security systems that simply cannot function through the debris. However, the **ievo** ultimate™ has been specifically designed to operate within these confines, using an advanced sensor which employs multispectral imaging (MSI) technology to scan and capture data. MSI uses multiple light sources to read not only the surface of the skin, but also data points from the subsurface level (up to 4mm deep) of a finger. The different light sources can penetrate levels of moisture and debris present on the skin to read data points below. This advanced method allows for a high number of uniquely identifiable data points to be recognised and used for a more accurate, reliable and efficient verification process (see the MSI chart below).

The *ultimate* a robust device for both external and internal use. Equipped with an internal thermostat controlled heater it can operate in conditions as low as -20°C and is IP65 rated meaning it also functions in levels of heavy rain.

‘Buddy punching’ or whereby a colleague ‘clocks in/out’ another colleague who is not present, is a common abuse found in other card/fob/token systems. Due to the nature of biometrics, this vulnerability is erased, as only a person present can scan their fingerprint on the devices. The **ievo** *ultimate* comes with optional levels of spoof protection which can be activated upon request to further help prevent fraud.

Multispectral Imaging: Fingerprint image quality conditions					
Fingerprint Conditions:	Condition A: Dry	Condition B: Moist	Condition C: Dirty	Condition D: Elderly	Condition E: High levels of ambient light
					
Other Biometric Readers			NO IMAGE		NO IMAGE

SECURING YOUR WORK SITE

The **ievo** *ultimate* can be installed to work with a variety of access points, turnstiles, barriers, doors etc. Integrating into your access control system, **ievo** provide a deeper level of security using biometric data. Giving you the peace of mind that only these with access permissions will be on site, at times you specify. **ievo** systems integrate into a wide range of well-known access control systems, including; Paxton, Stanley, Honeywell and Nortech, and can be customised with a variety of options depending on your requirements. With many construction sites operating in harsh, remote environments, different requirements are needed. **ievo**’s customisable options allow for a range of connection options.

DEPENDABLE RELIABILITY AND ACCURACY

Dealing with a large workforce is often the case on construction sites, with contractors and sub-contractors, it can prove to be a logistical nightmare when trying to supply accurate and reliable records for HR, health & safety, or attendance records. The **ievo** *ultimate* is a fast and reliable biometric solution, integrating into time and attendance systems the **ievo** reader can providing highly accurate and reliable information regarding attendance data for both HR/finance departments, ensure that parties are invoiced and paid correctly, and integrating into the CSCS matrix to enable a comprehensive approach to workforce management. The information can also be used to provide fast, accurate and reliable health and safety records.

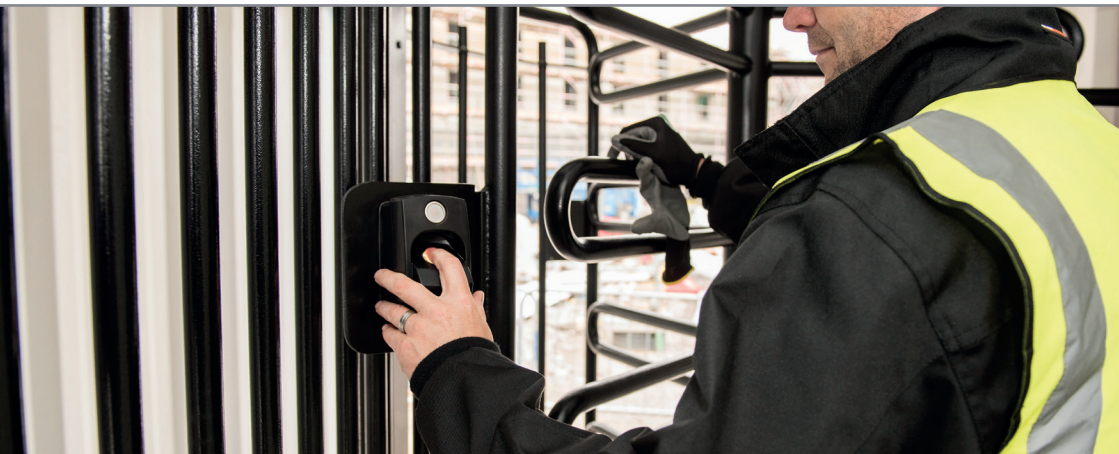
IEVO HAS PROVEN TO SAVE MONEY

An **ievo** integrated biometric access control system can help to reduce costs to your security infrastructure; simple installations means less on-site for engineers, the modular design of **ievo** systems makes for easy maintenance, integrated systems makes for more practical and functional solutions. The use of time and attendance integration can aid HR, health and safety records and other building services. All of those factors can help to reduce costs and pay contractors the correct monies.



KEY BENEFITS OF IEVO SYSTEMS

- Additional layer of security for your work site
- Full access control monitoring over your work site
- Accurate clock in and out data capture
- Reliable identification for users
- Removal of 'buddy punching' issues
- Cost effective
- Improved health and safety records
- MSI capture to combat levels of potential skin debris
- Integrated system to work with your infrastructure
- Future proof design - for any future upgrading or additional development of your security system
- Full customisable and serviceable up to and after the point of sale



ievo Ltd is a leading design and manufacturer of biometric fingerprint readers. Working with a number of installers and integrators, **ievo** Ltd have a worldwide proven track record of securing construction sites.

For case studies or further information, please contact our support team:

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