



BIOSCRYPT
ENTERPRISE ACCESS SOLUTIONS



CASE STUDY

Donseed Develops Mobile Workplace Management Solutions Using L-1 Fingerprint Readers

“The L-1 fingerprint reader verifies that employees are who they say they are, which in turn gives us the ability to eliminate buddy punching and increase efficiency.”

Vincent Lynch
Chief Executive Officer
Donseed

The Challenge

Donseed Limited, a leading internet-hosted workplace management services company, needed to develop a mobile hardware solution to allow its construction customers to track employee hours across multiple and often remote sites as well as make real-time attendance records available at all times.

While Donseed's customers range across multiple industry sectors, given the temporary and transient nature of the construction industry, companies in the sector face a major challenge in managing time leakage and tracking real-time attendance of operatives across multiple sites. Because construction companies are only onsite for a limited period of time, installing phone and broadband lines is often not practical. As a result, such companies have found it difficult to collect accurate time and attendance information. Furthermore, paper-based time sheets are time consuming, lead to data entry error and can increase payroll costs as employees can readily falsify sheets or punch in for one another, a practice known as “buddy punching”.

The Solution

Donseed partnered with the enterprise access division of L-1 Identity Solutions, using the division's Bioscrypt V-Station fingerprint reader as the identity verification component in its mobile-enabled solution. The new time and attendance unit does not require broadband or phone lines, as it uses a General Packet Radio Service/Global System for Mobile (GPRS/GSM) network to transmit data to and from its Web-based servers. This ensures that construction sites with little, if any, telecommunications infrastructure can take advantage of an easy-to-set-up, real time solution which, up to now, has been geared more towards fixed location environments, such as offices.

When workers arrive at a site, they clock in using their fingerprint to authenticate themselves. This eliminates buddy punching and data errors and leads to increased productivity as managers no longer have to double check the accuracy of time sheets. Furthermore Donseed's Health & Safety module is integrated to the fingerprint reader. If an operative's certification for a required skill has expired, when they register onsite a warning notification email is automatically generated and sent to assigned managers to alert them that a non-compliant employee is onsite. Because the L-1 Enterprise Access Division and Donseed were able to mobile-enable the fingerprint reader using a GPRS/GSM connection, construction companies can easily move the WMS unit from site to site to ensure a consistent, easy-to-install solution is available at all times.

Solution Elements:

- L-1 Bioscrypt V-Station fingerprint readers
- Donseed Workplace Management Services hosted solution
- GPRS/GSM system



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“Employers no longer have to worry about the accuracy of time sheets and their employees can concentrate on higher value activities.”

“The L-1 fingerprint readers provide greater ability to validate operatives for the purpose of knowing who is onsite and when, while also eliminating time leakage by tracking exactly when employees are on site and when they are not,” said Vincent Lynch, Chief Executive Officer of Donseed. “The L-1 Enterprise Access Division has proven biometric technology and has been a significant contributing partner in bringing our unique product to market.”

Donseed also chose L-1 fingerprint readers because it protects the privacy of end users as the system relies on fingerprint templates and does not store fingerprint images. The fingerprint templates that the Bioscrypt V-Station readers use are numeric representations of the fingerprint rather than the fingerprint image itself, ensuring the privacy of employees.

Donseed “push and pull” functionality developed for fingerprint templates, allow clients to send fingerprint templates to sites and later delete them as required. This has several benefits. First, employees only have to register their template once in order to access various sites. Donseed’s user friendly, Web based template manger also makes it possible to delete employees’ fingerprint templates from a central location from all sites if they leave the company, ensuring they no longer have access to job sites. There is no need to request individual site owners and managers delete an employee’s template and hope they follow through. Furthermore, employees and contractors can be given temporary access to a specific site or area for a few hours. For example, if an employee needs to maintain a safe at a bank location, the bank’s central office can remotely grant the worker access for a specified period of time on a specific date.

About L1 Enterprise Access Solutions

The L-1 Enterprise Access Division helps enable businesses to secure their premises with the most advanced and robust off-the-shelf biometric readers. L-1 Fingerprint Reader Solutions use advanced pattern- and minutiae-based biometric algorithms for fast and secure verification.

L-1 3D Face Reader Solutions use three-dimensional face geometry-based algorithms for authentication in under a second. Together with the L-1 Identity Solutions portfolio of companies, we offer a comprehensive set of products and solutions for protecting and securing personal identities and assets.

Visit www.L1ID.com and click Enterprise Access Solutions for more information.

The Results

By adding the Bioscrypt V-Station fingerprint reader to a mobile workplace management solution, Donseed has been able to help its customers reduce the administrative hassles of managing paper-based time sheets. The mobile-enabled fingerprint scanner makes it possible to automatically collect time and attendance information. As a result, construction companies can reduce administrative costs, increase productivity and enhance security at their sites. They can also continue leveraging their investments by taking the mobile fingerprint stations with them as they move to the next job. “Employees no longer have to worry about the accuracy of time sheets and their employees can concentrate on higher value activities,” Lynch said.

Companies can also ensure that no one can gain unauthorized access to a construction site since they can remotely delete templates of a terminated employee from all mobile WMS units. At the same time, the units make it easier for employees to gain access to a site as they can just authenticate themselves using their fingerprints. If they need temporary access to a different job site, the central office can grant them access for a limited period of time and ensure it expires once employees are finished.

The Future

“Donseed’s partnership with the L-1 Enterprise Access Division will enable all industries to benefit from leading edge workplace management solutions. Having proven our ability to develop unique and innovative solutions for the construction sector, we are now tailoring our web-based software for the banking and aviation sectors in support of the L-1 Enterprise Access Division’s significant growth in these sectors,” Lynch said.



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