



implico

OpenTAS

Ultimate Security in Refineries and Depots

The New OpenTAS®/DIH Module with Identification using Handscanning

The risks are growing rapidly and security is becoming more important than ever in refineries and depots throughout the world. Furthermore, there are also stricter government requirements. Implico is offering a new system for ultimate security which operates both automatically and economically. The basis is the Open Terminal Administration System (OpenTAS®) which has been expanded to include a market-proven handscanning unit used to identify personnel. The new module can be easily integrated into an existing system or is also available as a stand-alone solution.

In response to the increased danger of terrorist attacks, mineral oil companies have significantly increased their security measures. As currently available automatic systems are often insufficient, access to refineries and depots is frequently controlled by employees who have to decide on the basis of appearance. The resulting security system is not only dependent on human reliability, but also causes high costs. Implico has now developed a solution which offers significant advantages compared to these circumstances.



The OpenTAS/DIH module:

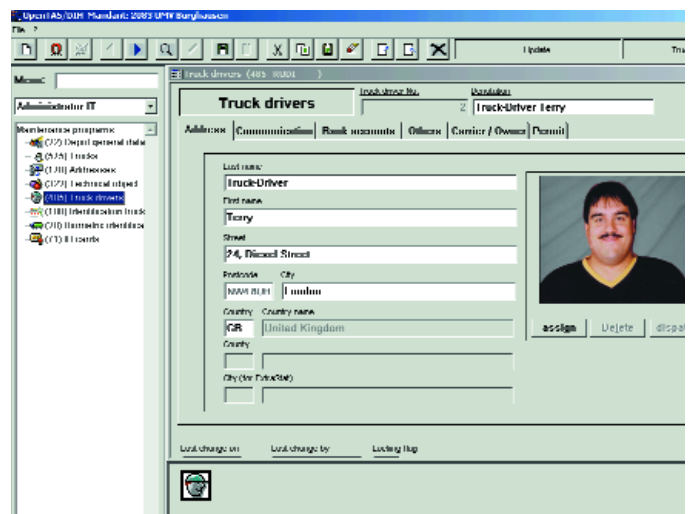
- automizes access controls so that they are no longer dependent on human inadequacies,
- offers a cost advantage which will pay off after only a few months,
- is installed and implemented within only a few days,
- takes up very little of the customer's resources.

The new Implico security system is based on OpenTAS, the proven system for the administration and automation of depots, delivery points and refineries regardless of size. With its modular concept and open interfaces it guarantees a high level of flexibility and an ideal level of integration into existing systems. This software has now been

enhanced with the handscanner HandKey® II from the US based company IR Recognition Systems to give the module OpenTAS/DIH. HandKey II scans the human hand's size and shape – a verification process which takes less than a second. In the USA, IR Recognition is the handscanning market leader. More than 70.000 hand geometry units have already been installed in buildings with high security requirements, in particular in nuclear facilities, prisons and airports.

Flexibility

The new Implico module can be readily integrated into any company network with an unlimited number of scanners or can alternatively be used as a stand-alone solution. The memory in the standard version is able to record data for



512 people and can be increased to accommodate 32.512 users. The indoor HandKey II model is designed for use within closed rooms, but there is also a model which is protected against rain, cold and storms. For colder regions it is also possible to install a heating element in order to ensure the smooth running throughout the winter.

Automation

In principle, it is possible to record an authorized person, for example a tanker driver's data on any one of the connected units. The biometric registration process functions in the following way: after a tanker driver has been entered into the system by means of a special OpenTAS/DIH truck driver window, he is then allocated a PIN number. The size and shape of his hand will then be biometrically scanned by the handscanner. The data is stored together with the PIN and the module then checks whether the primary identification was successful.

The system also allows for additional security criteria to be defined, e.g. name of the haulage contractor, validity of the driving licence, date of the driving test and other such information.

It is also possible to check all of the EU-Norm ADR security criteria. All of the authorized person's data is then transmitted to all HandKey II units in the network and can be centrally maintained.

Easy Integration

Customers who are already using OpenTAS will easily be able to integrate the new security technology. The module can also be combined with any existing system and directly linked to databases where information about the authorized persons is stored.

Connecting the scanners to the system and the barriers enables you the optimal control over who is accessing your refineries or depots – fully automatized.

Advantages

- Economical
- Other driver verification criteria possible (e.g. validity of the driving licence)
- ADR test procedure
- Operational 24 hours/day
- Integrated system
- Easy to use hand-scanners
- No redundant data is retained
- Works with a known program
- Up-to-date information is always available online
- Combined checks with already available OpenTAS checking procedures on sites where OpenTAS is already installed
- Available in several languages (English, German, French)



IR Recognition Systems

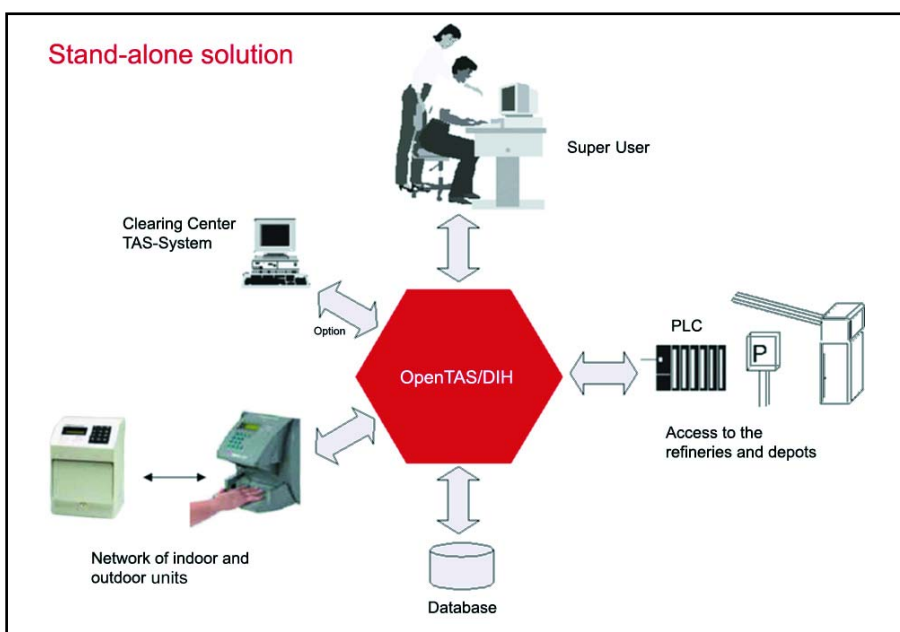
IR Recognition Systems, founded in 1986, is the pioneer of hand recognition technology used in access control, time and attendance and identification applications.

The very wide field of use for hand identification systems has enabled IR Recognition systems to become the market leader in the field of biometric verification.

Implico

As an international consulting and software company, Implico has been helping customers from different industries with the optimization of their business processes for more than 30 years.

Projects are being implemented with comprehensive industry know-how as well as in budget and on time. Implico offers professional, integrated consultancy and implementation services from one source.



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