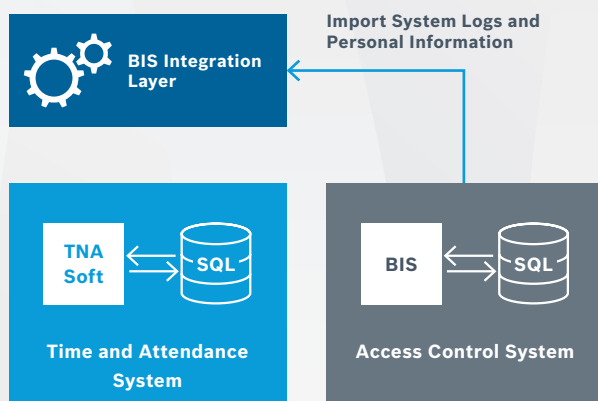# Integrated Access Control Solution

Time and Attendance

Bosch Security System and Digital Factors FZCo

TNA Soft Integration with Bosch ACS System

Import System Logs and Personal Information

BIS Integration Layer

TNA Soft ⇄ SQL
Time and Attendance System

BIS ⇄ SQL
Access Control System

▶ Reads attendance logs from the access control system (ACS) events occurred in real time
▶ Transfers the logs read from BIS to TNASoft to process and generate the reports
▶ It can be configured to read the logs in real time or periodically
▶ It imports master information (personal details) for every new occurrence of the employee record in BIS
▶ It cannot write data to BIS, i.e. read only

digital factors FZCO

An obvious application of the integration of a time & attendance with a PSIM system is the **use of restricted access control** which records when staff enter or leave a facility as well as **enforcing security**. It can equally be used to measure when staff visit different parts of the facility (e.g. the WC or food service areas) to ascertain an accurate record of the actual working patterns. When coordinated with video technology, the combined systems can be used to check or prove the whereabouts of specific staff members in case of disagreements or disciplinary proceedings.

The integration of a TNA Soft with the Bosch Building Integration System (BIS) software brings in several benefits, such as:

▶ simplify the process flow
▶ achieve data normalization and de-duplication
▶ avoid overhead in manual process as well as human errors while increasing efficiency
▶ ease of access, ease of use and ease of maintainance of the system.

The flexible and simplified architecture of TNA Soft proves its scalability to integrate with BIS by introducing new integration layers without disturbing the core business process.

TNA Soft is successfully integrated with BIS to import the attendance logs and processes the logs imported from BIS to generate the Time and Attendance reports.

Compatibility

Digital Factors Fzco	Bosch Security Systems
Time and Attendance System TNA Soft TNA Soft Classic Version Comaptible with SQL Server	**Access Control System** Bulding Integration System v4.x or newer BIS Access Engine Access Professional Edition

Oil & Gas   Governments   Construction   Education   Telecom   Nuclear Energy

Key features

Reusability
Integration provides end user to have advantage of reusability of hardware by not opting for new solution.

Scalability
The flexible and simplified architecture of TNASoft proves it's scalability to integrate with Bosch system by introducing new integration layers without disturbing the core business process and customer needs.

Automated Process
Whenever new data added in real time it automatically collects and update time and attendance system to generate reports.
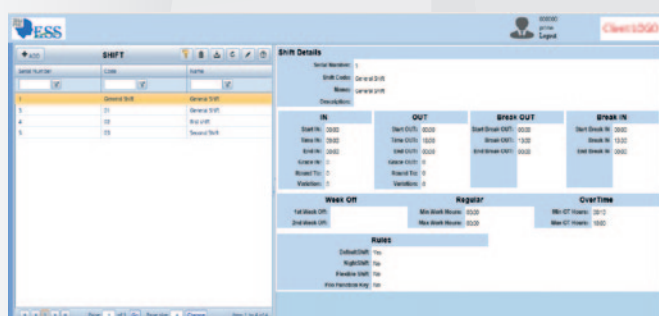
WorkFlow and Email Notification
Facilitates users to be posted with the activities in real time, which enables the actions to be taken in less time.

Reports
Generates sophisticated time and attendance and access control reports grouped into respective categories with various filter options.

Configuration notes

It gives details about how to creat shifts, setting TIME IN, TIME OUT, OVER TIME and many more options.

The reporting module for TNA, which has different kinds of reporting options, can be generated by the HR Team. The image shows the details about monthly summary reports of the employees.

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