High Performing Industry 4.0 Solutions

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Productivity growth, costs saving, high level service

SOFTWARE   ANALYTICS   APP MOBILE   ARTIFICIAL INTELLIGENCE   HARDWARE & IOT

ERP Systems
Administrative and Accounting Processes Management
Production Management and Production Progress
Production Planning (APS) and Production at finite capacity
Advanced Logistics PM
Attendance and access controls

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INTEGRATED COVID-19 PROTOCOL SYSTEMS

With the will to return to a situation as 'normal' as possible and with the awareness that dangerous epidemiological repercussions must be avoided, health protocols against the health emergency caused by Covid-19 impose precise rules for body temperature measuring, for social distancing and to prevent gathering, in companies offices, in yards, in health care structures, in public places.

To face these needs – and further more – our network can provide different solutions:

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1) Interpersonal distancing systems

- Tag Wearable

To respect the distance between the others, each one entering in an area can be equipped with a wearable tag that can signal by an audible alarm if the distance with an other wearable tag is lower than one meter , by means of UWB and BLE technologies and thanks to an intelligent algorithm.

2) Access controlling systems

Entrance gates with People Counter or with photocells that allow a precise monitoring of the occupation status of an area

2.1 Gates with People Counter

The People Counter is a device that can be installed above the entry/exit gates and can determine how many people enter and leave an area thanks to an automatic recognition system.

Combined with a gate controller, a stop light and an optical or acoustic alarm, the system can alert if more people is entering than allowed

2) Access controlling systems

The occupationcy status of each area can be checked with mobile devices or controls monitors.

The display of the monitor can also receive a stop alert to point out that an area is full.

The People Counter is to be preferred for high transit gates or for gates where a lot of people enter or leave an area at the same time.

2.2 Gates with photocells

Similar to an anti-theft gate, the system uses two photocells to detect the direction of transits.

With this system only one person at a time can pass the gate.

2) Access controlling systems

The solution is suitable for small businesses such as clothing stores, grocery stores, pharmacies, etc

Both systems can be connected to a software management to centralize the monitoring of the areas and to enable the control of more gates.

You have a single platform and manage an integrate system able to:

• check the entrance flows in protected buildings and areas;

• detect attendance in connection with a personnel management system to update its personnel data and to submit the transactions gathered.

• Check and protect corporate environments and assets.

2) Access controlling systems

Therefore our system is a complete system for security of persons, instruments, assets and environments.

It has modules which can be integrated with specific hardware components to enable the management of:

- fire protection systems
- intrusion detection systems
- video surveillance
- reception
- plates control systems

3) Body temperature measurement systems

For small , medium and big companies there are also a lot of solutions to take manually or automatically body temperature to all people entering or leaving company' areas through its gates, for an effective and safe detection even without specialised operators.
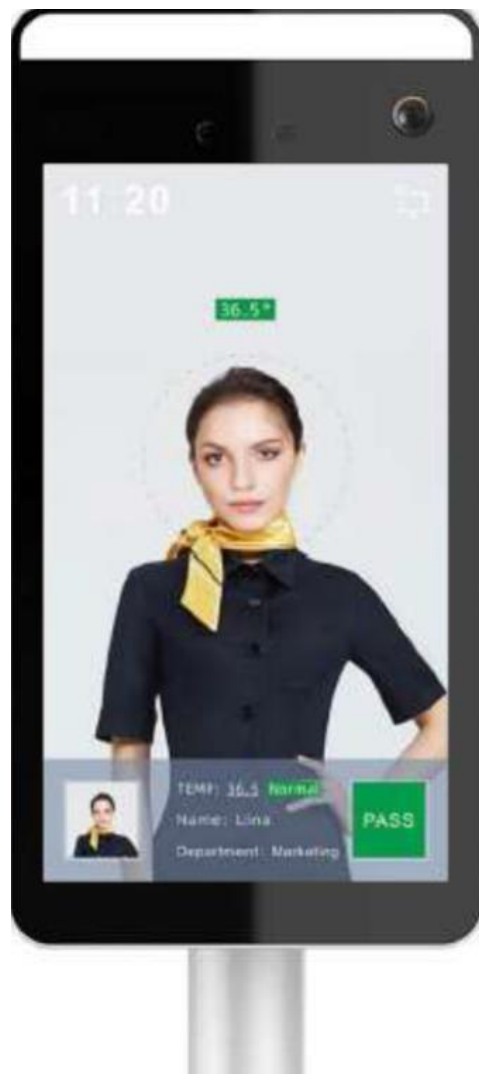
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Device for measuring body temperature

High performance and reliable body temperature measurement system.

Based on infrared thermal imaging technology and deep learning algorithms, it has a fast recognition speed, a high speed accuracy and a quick acquisition of face information.

The temperature of the human body is detected during facial recognition for any febril states.

ADVANTAGES

1. Traditional instruments for body temperature detection
   should be held in hand reducing the efficiency of the system;
2. It can be installed with a lot of accessories;
3. All-in-one facial temperature measuring device;
4. Automatic temperature measurement through facial scanning, labor savings
   and efficiency improvement;
5. Quick detection of people without protective masks;
6. It automatically records high temperatures and counts detection events;
7. It supports 30.000-sided databases with 200 ms detection speed, ensuring
   regular transactions in high-density areas;
8. It supports network data upload to manage images;
9. The system works even in case of network failure.

High level performance solutions for Industry 4.0

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For information about:

- Techincal details

- Functional specifications

- Models

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