AUTOMATIC SYSTEMS
SafeFlow

AUTOMATIC SYSTEMS' INTEGRATED SCREENING SOLUTION WITH PEOPLE COUNTING CAPABILITIES

UNIQUE SELLING POINTS

- Contactless solution
- Heavy duty device (screen MTBF : 50 000 hours) in solid metal casing
- Fast processing real PC
- Made in Europe
- German technology
- Enhanced mask wearing detection (including masks of colour and with patterns) and skin surface temperature screening
- Gate-device dedicated connectivity, with separate alarms for absence of mask / abnormal skin surface temperature and device's status (operational or out of order)

- Crowd management via SafeFlow SmartTouch
- Remote supervision (alarms, status, settings) via SafeFlow SmartTouch
- Intuitive LED light on top of the device giving the status of the request (green = accepted, red = denied)
- Customizable userfriendly interface (text and sound)
- HDMI for countdown display
- Emergency exit EN13637 option
- Communication via Ethernet and Dry contact, in standard
- Embedded quality speaker
- FCC15

DESCRIPTION

The **SafeFlow** is a "Made in Europe", proprietary solution, compatible with most Automatic Systems' products. It provides key tools to enhance and automate screening for mask detection and skin surface temperature, combining state of the art technologies. "SafeFlow" can also help control the amount of people within a designated area by keeping track of the quantity of passages.

Six key elements are at the core of the solution:

- Skin surface temperature measurement;
- Mask detection;
- Crowd management;
- Interface for the user and the manager;
- EN13637 Emergency Exit;
- Privacy.

1. Skin Surface Temperature

The thermal sensor integrated into the solution is based on infrared technology, and is powered by a high performance processor. Its detection range starts at 50cm and the precision of the measurement is 0.5°C, without "Blackbody" calibration.

The detection, performed without any contact between the user and the device, eliminates the contamination risk by physical contact. It is also a comfortable method to check skin temperature because it is non-invasive.

It is a very fast, automated process, reducing the need for dedicated staff.

One of the key symptoms of COVID-19 is an elevated body temperature or fever. By verifying each individual's temperature and denying access to those with a skin temperature above the threshold, the solution prevents their entrance into the facility.

"SafeFlow" solution may also have a positive impact on the behaviour of staff. Those unwell with a fever will probably be more likely avoid trying to enter.

2. Face Mask Presence Detection

The precision camera backed by the high performance processor embarking artificial intelligence allows for a fast analysis of the presence or absence of the mask on the individual's mouth and nose.

Access is denied if the person does not comply with the mask-wearing obligation.

By enforcing the mask-wearing rule, the solution helps reduce the transmission risk to healthy individuals.

A facemask may help reduce the spread of infection in the community by minimising the excretion of respiratory droplets from infected individuals who may not even know they are infected and before they develop any symptoms.

The use of facemasks in the community should be considered as a complementary measure to physical distancing to prevent spreading the virus.

3. Crowd Management & Maximum person presence allowed management

Thanks to the SafeFlow SmartTouch monitoring control panel, the maximum persons presence allowed into the premises management is possible. The client, depending in his constraints, can set the maximum number of persons allowed.

Features added by the SmartTouch and the SafeFlow solution are the counting but also the countdown. Each person passing the gate, in entry or exit, is treated as an additional person inside the premises or one person less.

The ultimate purpose it serves is to ensure a real-time and effective counting to guarantee that the maximum number of person allowed inside the premises is respected.

4. Interface for the user and the manager

In order to offer the smoothest user experience, the device of the SafeFlow solution offers:
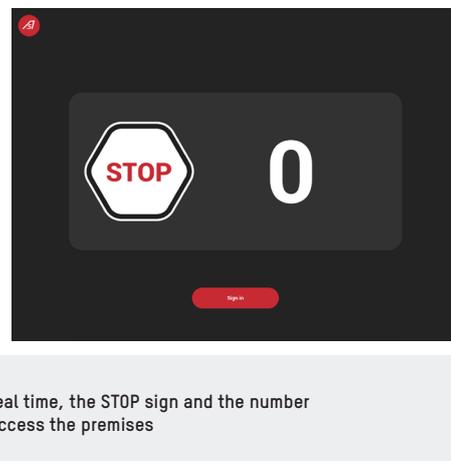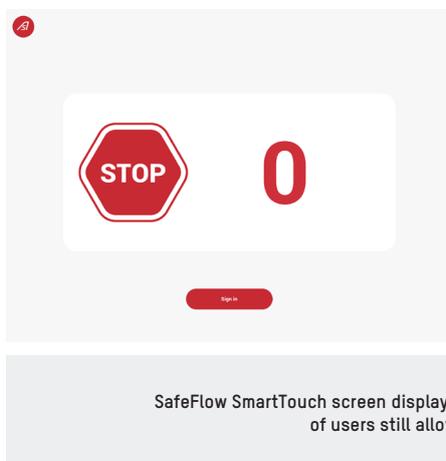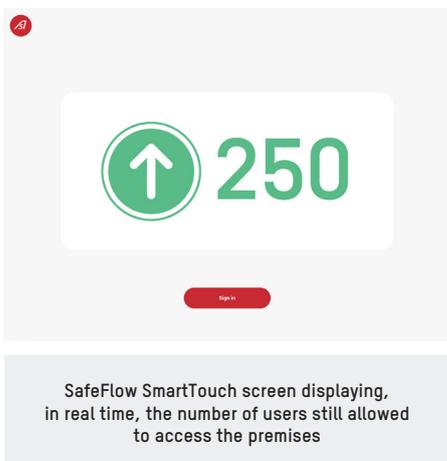
Locally:

- A seamlessly integrated 8 inches LCD colour screen.
- For the person using the gate, on the device itself: text message combined with sound and light signaling. Text message as well as voice message can be customized. LED light above the device indicates the request's acceptance (green) or rejection (red), as well as the stand-by mode (white).

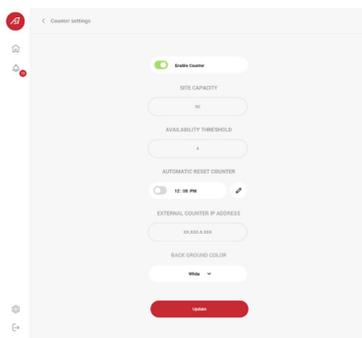| **Screening OK** | **Please wear face mask Abnormal temperature** Contact security agent | **Please wear face mask** Contact security agent | **Abnormal temperature** Contact security agent |
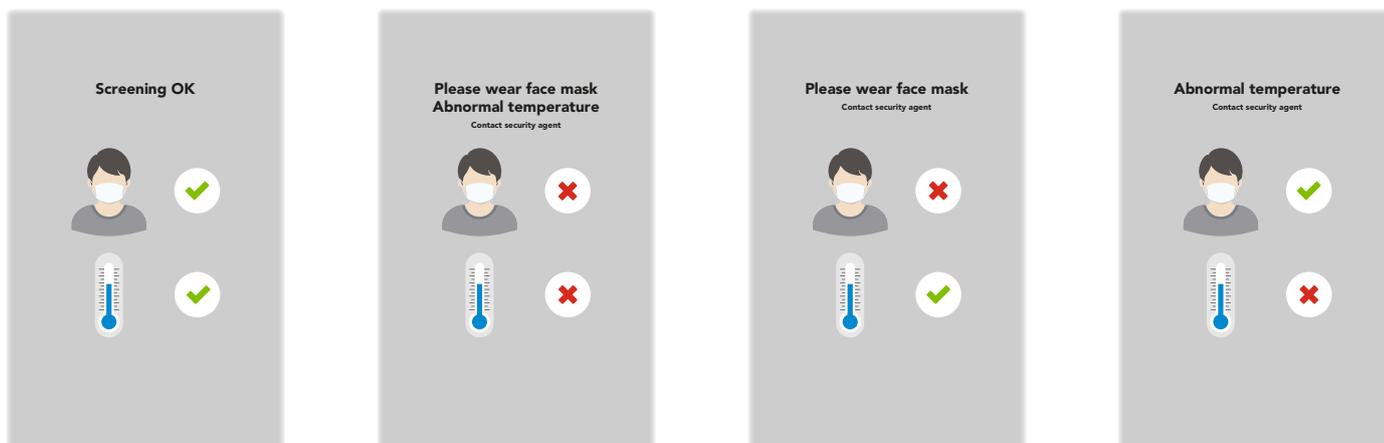
- For users waiting in the entrance lobby: HMDI output device (SafeFlow SmartTouch option required) allows connection to any compatible screen of the client to display the number of people still allowed to enter and then indicate, with a stop sign, when full capacity in the premises is reached. Information is given in real time, reflecting entrance-exit of people through the gate(s).

Remotely, on the supervisors's SafeFlow SmartTouch (optional) control panel:

- Thank to the Ethernet protocole, the skin surface temperature and mask screening alarms are available separately. Alarms related to fraud attempts, real time counting and the maximum number of people still allowed or the status of the STOP signal at the entrance are also available.
- Ethernet connectivity between the device and the logic board of the gate allows a permanent status detection. In case of failure or vandalism to the camera, it is instantly notified.
- The standard SmartTouch features.

SafeFlow SmartTouch screen displaying, in real time, the number of users still allowed to access the premises

SafeFlow SmartTouch screen displaying, in real time, the STOP sign and the number of users still allowed to access the premises
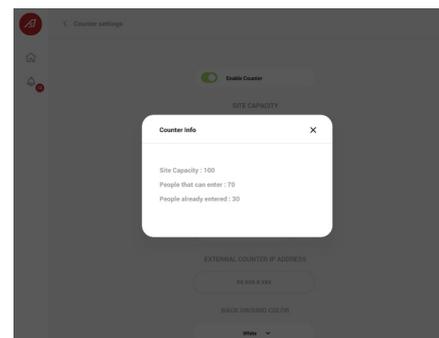
SafeFlow SmartTouch page showing the counting page, with among other features the maximum capacity allowed and availability threshold
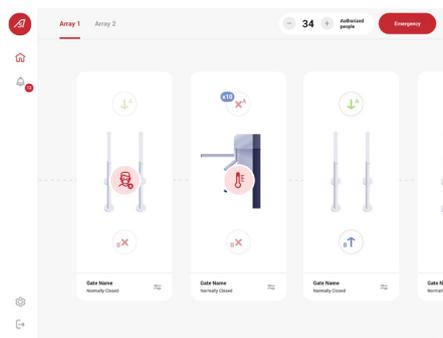
SafeFlow SmartTouch showing the gates it monitors, its status, as well as the alarms for absence of face mask and high skin temperature (specific pictograms)

SafeFlow SmartTouch pop up showing the summary of the counting information

5. EN13637

Safety is at the core of EN13637 norm.

Automatic Systems pioneers in offering the EN13637 certified solution (optional) for emergency exits, embedded into its FirstLane, SlimLane, SmartLane & AccessLane products.

Several locations that require flow management will also be the only emergency exit. The only way to comply with the European Norms applicable is to go EN13637 certified solution (optional).

6. Privacy

Data gathered during the screening is not linked to any identification data base and is not stored. Data temporarily utilized are only used to grant access (or deny it), at the time it is taken at the gate.

STANDARD TECHNICAL CHARACTERISTICS

Screen size	8 inch LCD
Screen brightness	400 cd/m²
Screen contrast	400:1
Viewing angle	178° horizontal, 178° vertical
Screen MTBF	50 000 hours
Computer processor	Intel i5 9500T
Interface	Dry contacts and Ethernet
Speaker	Embedded
Technology of the thermal sensor	Thermal infrared
Range of detection	From 0.50m, up to 2.00m
Thermal sensor accuracy	0.5°C, without "Blackbody" calibration
Indoors/Outdoors	Indoors only
Power supply	12V/DC, power supply provided
Types of equipment supported	TriLane, FirstLane, SlimLane, SmartLane (*), ClearLock, RevLock

Please contact your Sales Manager for more information and to ensure compatibility with existing equipment.

DIMENSIONS

See the technical data sheets of your selected equipment and the necessary options or contact your Sales Manager for more information.
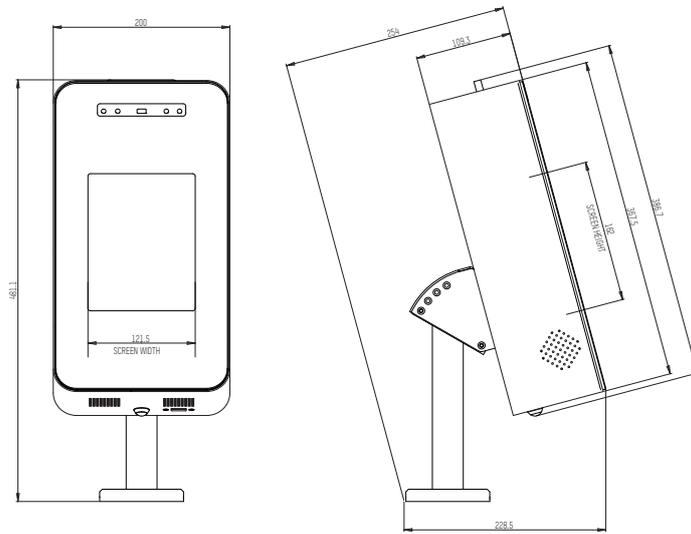
OPTIONS

1. Skin temperature and mask device integrated on the equipment itself.
2. Skin temperature and mask device integrated on the independent pedestal.
3. SafeFlow SmartTouch with HDMI interface box.

PICTURES

SlimLane 940 EP with integrated SafeFlow solution

TriLane TL1 embarking the SafeFlow solution

Independent pedestal (**) with SafeFlow solution

SmartLane SL900 with integrated SafeFlow solution

*   *SmartLane has limited functionalities*

**   *Only with AS supported gates*

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