

Getting People Back To Work During COVID-19

Temperature Sensing Biometric Readers with Face Mask Detection

INTRODUCTION

The outbreak of the COVID-19 virus has presented a challenge to communities and businesses.

The use of **Electronic Access Control** has become more than a means to prevent criminal activity. It's now appearing as a key tool for businesses in the following ways:

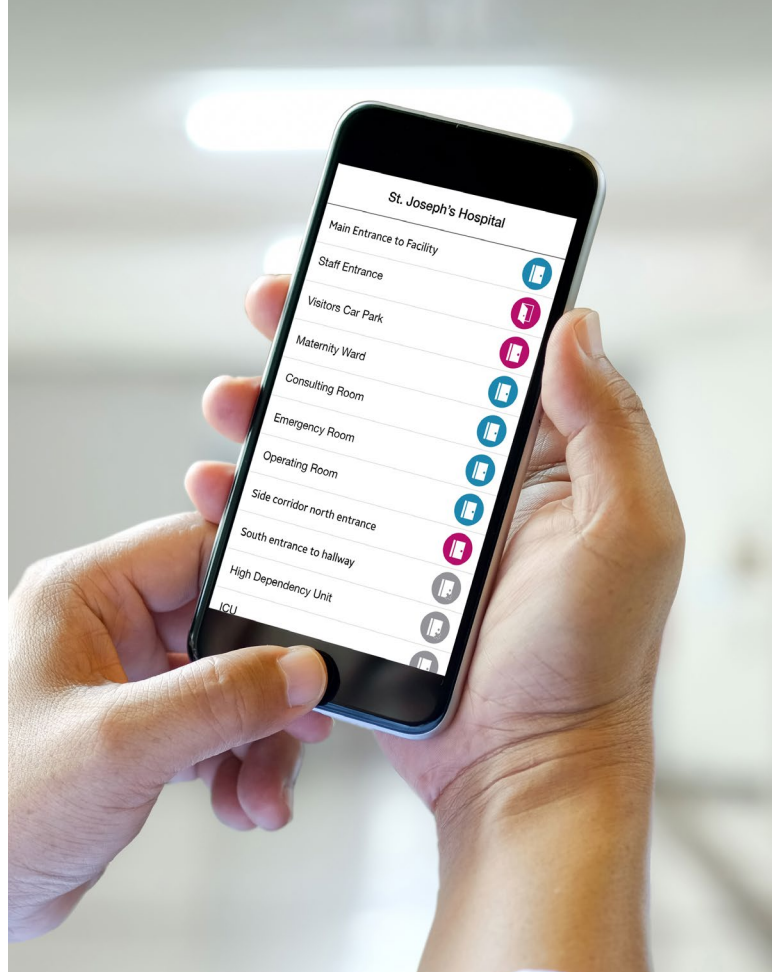
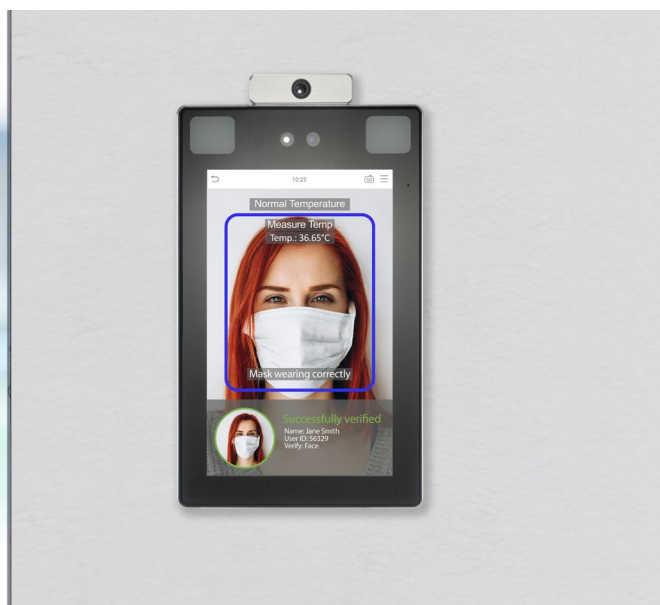
- ✓ To manage and audit occupancy levels to ensure social distancing
- ✓ To enhance customer experience by giving customers appointments and a QR code, allowing hands-free entrance
- ✓ By proving other hands-free devices such as touch-free exit buttons, Bluetooth readers, QR code readers
- ✓ By providing temperature reading facial devices which can also check if people are wearing a mask
- ✓ By providing contact traceability reports where a person had become infected, and you want to trace who may come in contact, or was working in that vicinity
- ✓ Giving alarms on busy locations to assist deployment of cleaning staff in real-time.

As we start actively planning to open our places of work safely, Vanderbilt is providing our customers with smart and reliable strategies to help create a safer environment for staff and visitors.

At Vanderbilt, we have explored best practices for protecting employees and visitors when they come to a building.

By implementing the following security strategies, we believe businesses can help create a safe environment.

- ✓ Area counting
- ✓ Pre-booking systems for customers and visitors
- ✓ Minimize contact with access control devices
- ✓ Contact trace reporting
- ✓ Thermal image camera usage with mask detection and palm reading
- ✓ Visitor management systems
- ✓ Remote security management and maintenance
- ✓ Providing alarm when thresholds are met to alert cleaning staff to cleanse an area.



We have readers now that will detect that the temperature of an individual is below a threshold before the system grants access. The reader will also check any combination of facial recognition, palm biometric scan, or even a traditional card (with a reader). The device can also check whether the person is wearing a mask before letting them enter.

Example:

A hospital checks when their staff member has their mask fitted, is facially biometrically checked, and is not above the normal temperature limit before it opens the barrier to let them enter.

Note:

The device detects people with a raised temperature who then can be further scrutinized. Some people with the virus may have not yet developed a risen temperature.

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