

DSI Improves Temperature Testing Speeds While Saving Business \$1,000s



The Challenge

Covid-19 forced homeless shelters to reconsider their safety measures to keep their residents safe. This included having their residents tested each night upon entrance into the facility. The Lantern House hired medical professionals to check the resident's temperatures, for the time being. Taking each resident's temperature takes about 6 hours per night and adds an enormous unexpected cost to the shelters budget. Like many other businesses, safety remains number one priority for the Lantern House Homeless Shelter, but efficiency, practicality, and cost must all be considered when finding a solution for Covid-19.

The Solution

To address the challenges facing The Lantern House and other organizations like it, DSI designed a completely touchless temperature screening kiosk. Our temperature screening kiosk was created to improve screening time speed, replace expensive medical staff while simultaneously maintaining accurate temperature measurements.

Outcome

After testing 100s of visitors at the Lantern House and comparing our results with the industry standard thermometer our temperature screening kiosk matched results with an accuracy of +/- .5 degrees. Additionally, each temperature scan from our screening kiosk took approximately 3-seconds per person. On average, our temperature screening kiosk was more than 5x faster than the medical professional using a temporal thermometer. By using our kiosk to screen residents instead of hired medical professionals the Lantern House would save over \$10,000 annually, meaning significantly more money in their budget to help their residents.



""We can get a quicker reading. I don't have someone standing in a line for 5 minutes""

- Steve Harris, Lantern House Homeless Shelter