



## HARFORD COMMUNITY COLLEGE

Bel Air, Maryland

FSG Delivers Verifiably Superior IAQ to Maryland Community College

### Owner

Harford Community College

### Contract Type

Electrical

### Electrical Contractor

FSG

### CHALLENGE

Since 1957, Harford Community College (HCC) has been providing essential university-level core curriculum studies along with vocational trade instruction for area residents. The main campus occupies 352 acres near Bel Air, Maryland, and has 24 buildings totaling approximately 372,525 square feet.

Like other schools all across America, HCC has struggled over the past year to provide safe facilities where students and faculty can meet. Following months of extreme effort to provide sanitary spaces for its internal and external customers, HCC was frustrated to realize that costly building cleaning programs and remedial efforts to improve indoor air quality (IAQ) were impossible to verify. The community college was struggling with the knowledge that despite all its best efforts, there was no way to demonstrate success in improving IAQ for campus visitors and employees.

One conversation with FSG changed everything for HCC.

### SOLUTION

FSG explained that the latest disinfection tools and technology included a functionality that allowed for real-time air quality monitoring. This monitoring could provide HCC with the verifiable data it needed to demonstrate for all its stakeholders that the IAQ in HCC facilities was being maintained at safe levels.

FSG was contracted to provide a variety of disinfection technologies for HCC, but the key component of the project involved the installation of a long-range wide area network (LoRaWAN) that would allow the campus to constantly monitor the IAQ in each of its connected facilities. This data, conveniently accessed and managed remotely, was exactly what HCC needed to keep its doors open for

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another academic year.

## RESULT

FSG got busy providing the equipment and services HCC needed to upgrade the IAQ in its campus facilities. The project involved the installation of needlepoint bi-polar ionization (NPBI) units into HVAC equipment in 16 buildings, duct-mounted ionization monitors in 32 HVAC units, wall-mounted ionization units in 32 common spaces, 96 LoRaWAN gateways in 16 campus buildings, and 32 wall-mounted IAQ sensors in 32 common spaces.

At the beginning of this project, FSG explained that HCC's ongoing efforts to provide safe spaces for its students and employees didn't have to continue relying on best wishes alone. With their new campus-wide network of IAQ monitoring equipment installed and fully functional, HCC administrators no longer have to hope that they're doing enough to keep their students and employees safe. Now they can prove it!