CASE

Optimization of Indoor Air Quality in a primary school

Introduction

A primary school, located in a lively neighborhood, is committed to creating a healthy learning environment for its students and employees. Given the growing awareness about the influence of air quality on the health and learning performance of children, the school management decided to invest in advanced air quality monitoring. They chose the EL-IOT-CO2, an innovative air quality meter, to continuously monitor their classrooms and common areas.

CHALLENGE

The school needed a system that allowed them to collect real-time data on carbon dioxide (CO2), temperature and humidity. The goal was to understand how these factors influence indoor air quality and to quickly intervene if there were any deviations that could affect the health of students and employees.

SOLUTION

The school implemented the EL-IOT-CO2 air quality meter from Praxas in several classrooms, the library and the gymnasium. This smart device not only provided accurate measurements of CO2, temperature and humidity, but also an intuitive interface for configuration and alarm settings. In addition, the calibration functions ensured that measurements were always accurate and reliable.

IMPLEMENTATION

Within minutes, the EL-IOT CO2 meters were installed and configured in the relevant rooms. The school management set custom alarm thresholds for each parameter so that they were immediately notified if there were any deviations. This meant that when CO2 levels became too high or other environmental parameters fell outside acceptable limits, staff were immediately alerted via email and text message notifications.

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PROVEN RESULTS

Thanks to the EL-IOT CO2 meters, the school was able to respond quickly to changes in indoor air quality. Using the automatic calibration features, measurements were consistently accurate. This not only led to a healthier learning environment, but also improved the general well-being and concentration of the students. In addition, employees benefited from a more comfortable working environment, which increased their productivity and satisfaction.

CONCLUSION

The EL-IOT-CO2 air quality meter from Praxas has helped this primary school to optimize indoor air quality and provide a safe environment for their students and staff. By investing in advanced air quality monitoring, the school is demonstrating its commitment to the health and well-being of their community. With real-time insights and quick alerts, the school can act proactively, laying the foundation for a healthy future for everyone at the school.

Do you have any questions regarding this case? Praxas specialists are happy to answer your questions.

For more information:
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