



Air Pollution Monitoring & Alarm System

It is not hyperbole to say that modern society depends, at a core level, on fossil fuels. Buses, cars, and planes rely on petroleum refining, and integral digital infrastructure relies on coal power plants. It is a fact, however, that exhaust from fossil fuel energy production contains numerous particulates and compounds that are harmful to people and the environment.

The World Health Organization attributes 4.2 million yearly deaths to pollutant exposure, and reports that 91% of the world's population lives in a place where air quality exceeds WHO guideline limits. In response, environmental agencies worldwide are adopting stricter regulations. The EPA, specifically, offers preferential treatment and incentive measures that goad manufacturers into improving efficiency and installing detection equipment.

Whether it happens today, tomorrow, or a decade from now, excess emissions will sink companies. Environmental regulations, government incentives, and loss of social capital mean that it's better to make a change now rather than later. New technology makes it easy to monitor emissions, respond to irregularities, and prevent excessive pollution. ICP DAS USA has designed an "Air Pollution Monitoring and Alarm System" as a way to keep people safe and stay within regulatory limits.

The Air Pollution Monitoring and Alarm System gives on-site operators a steady feed of data, allowing them to take immediate and effective measures when the pollutant reading is over its limit. The consistency, timeliness, and reliability of data is vital to correct irregularities before they become a problem. An early warning system, coupled with a wealth of analyzable data, makes it possible to streamline operations, resulting in a cleaner, safer, more cost-effective process.

The Air Pollution Monitoring and Alarm system uses ICP DAS USA's I-87017RCW to monitor the air pollutant concentration 24 hours per day, automatically recording data every 30 seconds and saving it to a daily file. Due to the distances and environments involved, the monitoring system makes use of the I-8212W-3GWA to communicate over a wireless (3G) network and to send daily reports by E-mail or FTP Server. When an irregularity occurs, the system takes an air sample, then sends an SMS message to the employees who will continue testing. Conversely, workers can activate the sampling function by sending a short message (SMS) to this system.



Cage/NCage Code: 3FNFO

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System settings and controls can all be managed on site, from VP-25W7, an industrially rated ViewPad controller. This gives provides a hardy, weatherproof platform for personnel to view reports, warnings, and to carry out testing.

As a citizen of the world, ICP DAS USA has an interest in the research and development of green technology solutions for the industries we serve. Sustainable, healthy growth should be the goal of every business, and we are uniquely capable of helping companies reduce waste by gathering data, increasing efficiency, and automating processes.

Want to learn more? Visit our website www.icpdas-usa.com or give us a call at 1-310-517-9888. You can also reach us through email at sales@icpdas-usa.com. We are available from 8:00 a.m. to 5:00 p.m. PST.