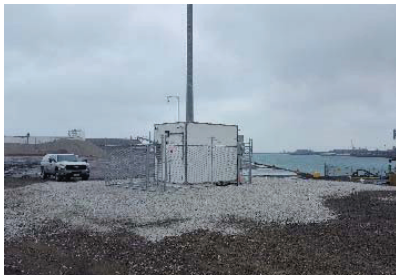
Monitoring and System Support Experience

No matter how complex or challenging your monitoring needs, you can count on CleanAir measurement technologies in a broad range of ambient and industrial applications. Our service commitment to you is simple: Performance Beyond Measure.

Client	Description	Services	
ArcelorMittal (Burns Harbor, Indiana, USA)	State and Local Ambient Air Monitoring Station (SLAMS)	Operation and maintenance of one ambient air monitoring station to support ArcelorMittal's efforts to comply with the 2010 SO_2 Data Requirements Rule at its integrated steelmaking facility in Burns Harbor, Indiana. Quality Assurance Project Plan (QAPP) preparation, data management, validation and reporting, including remote monitoring via cloud-based services. Projected monitoring duration: 3 - 6 years.	
100+ Coal-Fired Power and Cement Plants (USA)	Sorbent Trap Monitoring Systems (MET-80)	Since 2008, CleanAir has installed and integrated over 100 sorbent trap mercury monitoring systems at coal-fired power and cement plants in the USA. For a large part of these systems, CleanAir has generated quality assurance and monitoring plans and is providing ongoing inspection, maintenance services, quarterly performance and technical audits, data management and reporting, as well as training.	
IMACC, LLC (Houston, Texas, USA)	Open-Path Fenceline Monitoring System	Maintenance of two open-path monitoring systems detecting 1,3-butadiene at the North and South fenceline of TPC's chemical facility in Houston, Texas. Subcontractor to IMACC, LLC, the provider of the open-path FTIR-based monitoring systems.	

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World Environmental (Japan)	Ambient Air Monitoring Systems	Integrated and leased multiple ambient monitoring systems for NOx, SO_2, particulate and meteorological data monitoring in Japan. 
US Steel (Gary, Indiana, USA)	Continuous Emissions Monitoring System Design	Conducted a three-month study that included the design, installation, and operation of a temporary CEMS to continuously monitor hydrocarbon emissions in response to regional ozone regulations. Data from this study was used in the development of a monitoring plan and design of a VOC CEMS. 
DTE Energy (Detroit, Michigan, USA)	Mobile Monitoring System	Design and construction of a mobile system to support sampling and analysis of air emissions from DTE's power plants. The system was integrated into a trailer that contained analyzers for CO, CO_2, O_2, SO_2 and NOx analysis 
Solar Turbines (GazDefrance, France)	Portable Continuous Emissions Monitoring System (CEMS)	Integrated a portable CEMS that could be easily shipped and installed with remote operation and data collection. The system was contained in a shelter meeting ATEX requirements and used Fourier Transform Infrared Spectroscopy (FTIR) to analysis for NOx, NO, CO, O_2, CO_2, unburned hydrocarbons and formaldehyde 
Arcadias (Aurora, Illinois USA)	Ambient Air Monitoring Equipment	To support ambient air monitoring at a hazardous waste remediation project CleanAir provided five (5) General Metal Works (GMW) PM-10 Samplers; five (5) GMW PUF Samplers; and one (1) MET One AutoMET Weather Station. Installation, startup training and remote support was provided. 

Client	Description	Services	
Clean Air Engineering (Pittsburgh, Pennsylvania, USA)	Mobile Monitoring System	Design and construction of a mobile system to support sampling and analysis of air emissions from industrial facilities. The system was integrated into an Ekto shelter contained analyzers for VOC, CO, CO_2, O_2, SO_2 and NOx analysis.	
ENVIRO Solutions Inc. (Ashland, Kentucky, USA)	Ambient and Meteorological Monitoring Equipment	To support ambient air monitoring at a hazardous waste remediation project, CleanAir provided six (6) BGI PQ 200 PM-10 Samplers; six (6) BGI PQ 200 PM 2.5 Samplers; and six (6) MET-One AutoMET Weather Stations. Installation, startup, training and remote support was provided.	
Tetra Tech NUS (Naples, Italy)	Ambient Air Monitoring Equipment	Tetra Tech NUS, Inc. was awarded a contract by the US Navy to conduct an ambient air monitoring study at their Military Marine Command Center in Naples, Italy. CleanAir modified ten (10) GMW PM 10 Samplers and twelve (12) GMW PUF PS-1 Samplers to operate on 220 50 Hz.	
Targa Resources (Houston, Texas, USA)	Just-In-Time CEMS	Due to a plant expansion the regulatory authorities mandated the installation of a CEMS for SO_2, CO_2 and O_2. Data acquisition and reporting via ESC/Agilaire platform.	
Clean Air Engineering (Various location in the USA)	Mobile Monitoring System	Design and construction of multiple mobile systems to support sampling and analysis of air emissions from industrial facilities in the USA. The systems were integrated into a environmentally-controlled trailers and contained analyzers and data acquisition for VOC, CO, CO_2, O_2, SO_2 and NOx analysis.