Monitor Tech Lab, LLC

CONTINIUOUS EMISSIONS MONITORING SYSTEMS

NO, NO2, SO2, CO, O2 dry, O2 wet, CO2, HCL, NH3, HF, etc.

CEMS consists of three primary components

STACK MOUNTED

Flanges for probes, analyzers and testing are mounted per EPA regulations. Our unique sampling probe, has few components, re-useable filters, less on stack maintenance.

GROUND or ON STACK

Analyzers and calibration gases are located at a convent location As close to the sample point as possible, out of direct sunlight . The shortest possible sample line, provides lower cost and better sample quality.

CONTROL ROOM

HMI, data acquisition, and reporting System is placed where the operators have easy access. The screens are easy to read in a familiar design. Alarms for malfunction and excess emissions are easily understood. Reports are automatically printed out daily. Web access provides for quick and easy system up grades and maintenance.
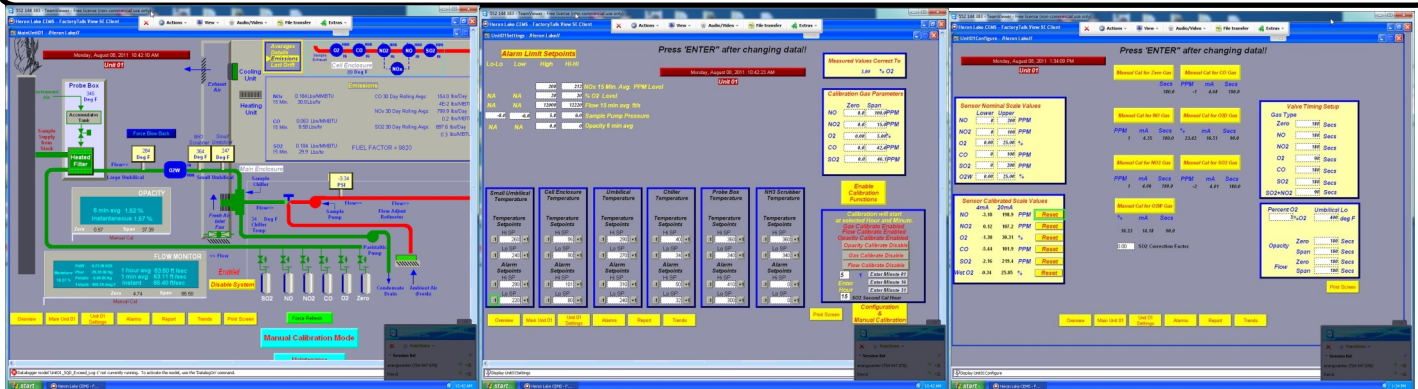
The CEMs is fully self-contained and need only be protected from the sun. Expensive enclosures are remote clean rooms are not required. Just mount it to a post or wall, and you are ready to go.

The probe is equally easy to install. Requiring only one 4" flange.
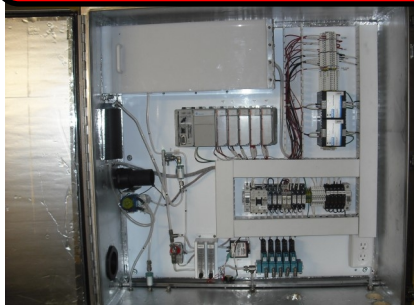

The Data Handling and Reporting system are the most advanced in the industry.

The HMI screens designs are comparable to the DCS screens the operators are used to. The HMI screens are easy to navigate. The software in the PLC is a standard program, not some custom software only the developer can change. Reports can be customized to meet your reporting requirements and can be automatically printed as required.

Ease of Maintenance

The CEMs is designed for ease of maintenance. The panel is well laid out with plenty of room. The components are plug and play. Most maintenance repairs take less than fifteen minutes. The PC does most of the diagnostics for your servicemen, AND we are always available online to review your screens and help with any diagnosis.

Our clients say they are "Bulletproof." "It takes care of itself." "I replaced the competitor's equipment and couldn't be happier"