

## Glass and Ceramic Industry

Teaming leading instrumentation manufacturers ECM Group companies are supplying since 1991 gas, liquid, solid, metal and particle monitoring instrumentation for clients in Central and Eastern Europe.

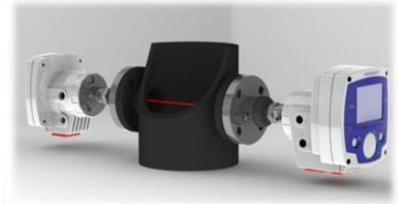


### Solutions for the glass and ceramic industry:

#### Combustion Control

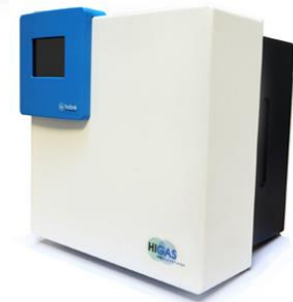
For optimization of combustion processes proper dosing of combustion air is essential. The control must be based on representative monitoring of O<sub>2</sub> and CO content in flue gas at high furnace temperatures. Conventional O<sub>2</sub> monitoring is not always sufficient for an effective burner control.

Parallel O<sub>2</sub> and CO monitoring provides the representative information.



#### Wobbe index, Heat Value of Fuel Gases

Catalytic, chromatographic and IR analyzers for proper blending of fuel gas



#### Fuel Gas and Combustion Air Flow

Thermal conductivity, fluidistor, ultrasonic, and discontinuity based flow monitors to monitor even hot and heavily polluted gases



#### Filter Watch Monitoring

Filter watch monitoring systems allow easy identification of a defective sleeve. This monitoring helps effective maintenance planning and significantly prolongs sleeve life expectancy.

### Heat Stress Monitoring

Instrumentation to determine heat stress exposure of the employees in working area



### Working Area Monitors

Particulate and toxic gas working area monitoring

### Continuous Monitoring of Emissions

EU legislation typically requires monitoring of SO<sub>2</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, particles and flow. CEMS can be extended by HCl, HF, NH<sub>3</sub>, TOC and Hg.

Data systems allow flexible implementation in accordance to local legislation and plant specifications.

All the instruments must fulfill QAL1 certification requirements.



### Portable Analyzers

Purpose of these instruments is flue gas testing and proper setting of boiler systems. Rugged instruments designed for harsh industrial environment allowing remote communication.



### Flow and Sampling Monitoring of solid materials

Flow monitoring and representative sampling of bulk materials for later laboratory analysis



### Contact:

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