



Your Automation Partner

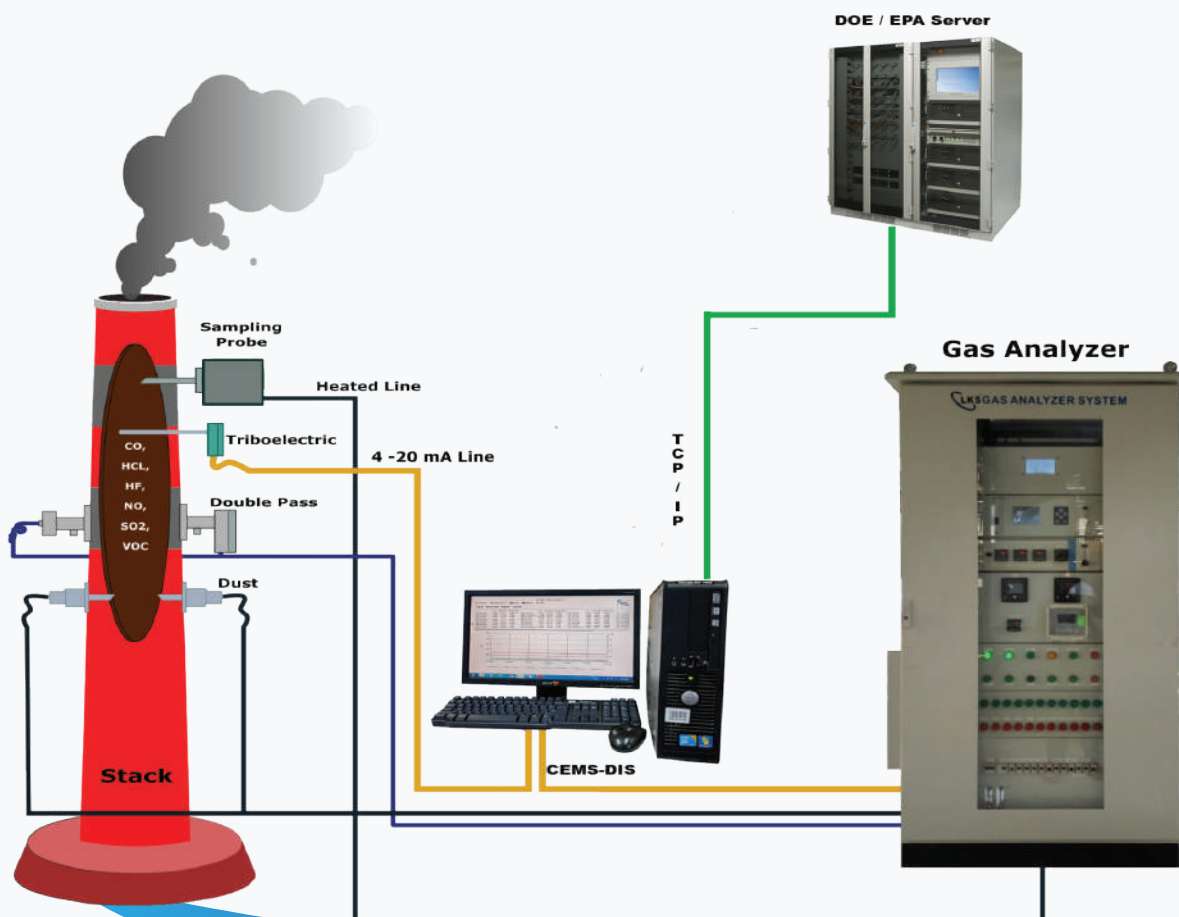
CEMS - Iron & Steel Mill (Non-Ferrous Metals)

Source Capacity

- Sinter Plants (Waste gas from the sintering belt)
- Production of Copper & Zinc
- Production Lead
- Primary Aluminum
- Secondary Aluminum

Type of CEMS Analyzer

- Extractive Gas Analyzers
- Insitu Gas Analyzer
- Particulate In-Situ Analyzer



LKS (M) SDN BHD
Email : info@lkssb.com.my
Website : www.lkssb.net

Emission Limit Value for some of the source sector required CEMS

Source Activity	Source / Capacity / Fuel Type	Pollutants	Limit Value (mg/m ₃)
Production & Processing of non-ferrous metals with capacity ≥ 0.5 tons per day for lead or cadmium or ≥ 2 tons per day for others metals (Iron and Steel Mills)	Sinter Plants (Waste Gas from the sintering Belt)	SO ₂ NO ₂ Total PM	500 400 50
	Production of Copper & Zinc	Total PM	20
	Production of Lead	Total PM	10
	Primary Aluminum	Total PM	10
	Secondary Aluminum	Total PM	10

DOE / EPA Requirements

- Listed appointed and approve company in DOE / EPA website
- TUV / MCERT Certificate
- Data Acquisition System (DAS)
- Data Interface System (DIS)

Gas & Dust Analyzer Working Principle

Parameter	Principle	Sampling Type
Sulphur Dioxide (SO ₂)	NDIR, NDUV, GFC, FTIR, PAS, Fluorescence	Extractive
	DOAS, GFC, FTIR	Insitu
Nitrogen Dioxide (NO ₂)	NDUV, PAS, Fluorescence	Extractive
	DOAS	Insitu
Total PM / Dust	Light Scatter, Beta Absorption	Extractive
	Transmissionmetry / Triboelectric Double Pass, Single Pass	Insitu