

# Industrial Emission Control Systems Market - Forecast from 2026 to 2031

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## Abstracts

Industrial Emission Control Systems Market, at a 6.01% CAGR, is anticipated to reach USD 33.292 billion in 2031 from USD 23.451 billion in 2025.

Industrial emission control systems (IECS) encompass a portfolio of proven air pollution control technologies—electrostatic precipitators (ESP), fabric filters, wet and dry scrubbers, selective catalytic/non-catalytic reduction (SCR/SNCR), regenerative thermal oxidizers (RTO), and carbon capture add-ons—designed to capture particulate matter (PM<sub>2.5</sub>/PM<sub>10</sub>), SO<sub>x</sub>, NO<sub>x</sub>, mercury, VOCs, and HAPs to levels mandated by local Best Available Control Technology (BACT) and Maximum Achievable Control Technology (MACT) standards.

The power generation sector remains the largest single application, accounting for approximately 40 % of global installed base. Coal-fired units, even in markets undergoing aggressive coal phase-out, continue to require retrofit and life-extension upgrades to meet tightening ELV (emission limit value) thresholds—SO<sub>2</sub>. Electrostatic precipitators maintain dominant share in high-dust, high-volume applications (cement, steel, coal power). Modern rigid-electrode and pulse-energized designs achieve >99.9 % collection efficiency at

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