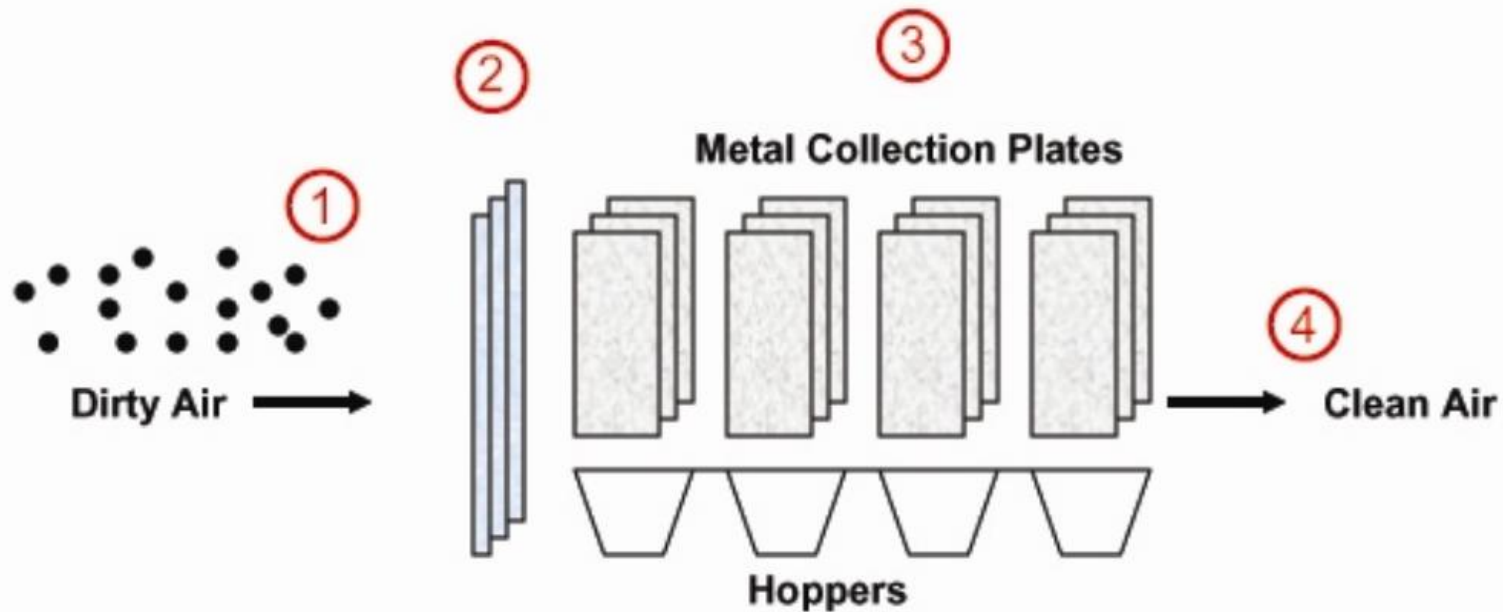


How an Electrostatic Precipitator Cleans Polluted Air



- ① Dirty (polluted) air from the factory enters the electrostatic precipitator.
- ② The dirty air passes by negatively-charged plates, which give the pollution particles a negative charge.

- ③ The negatively-charged pollutant particles are attracted to the positively-charged metal collection plates. Periodically, the plates are discharged and the pollution particles fall into the hoppers.
- ④ Clean air is released from the electrostatic precipitator system.

Source: Natalie Mach, Graduate Fellow, Integrated Teaching and Learning Program, College of Engineering, University of Colorado at Boulder, 2004.