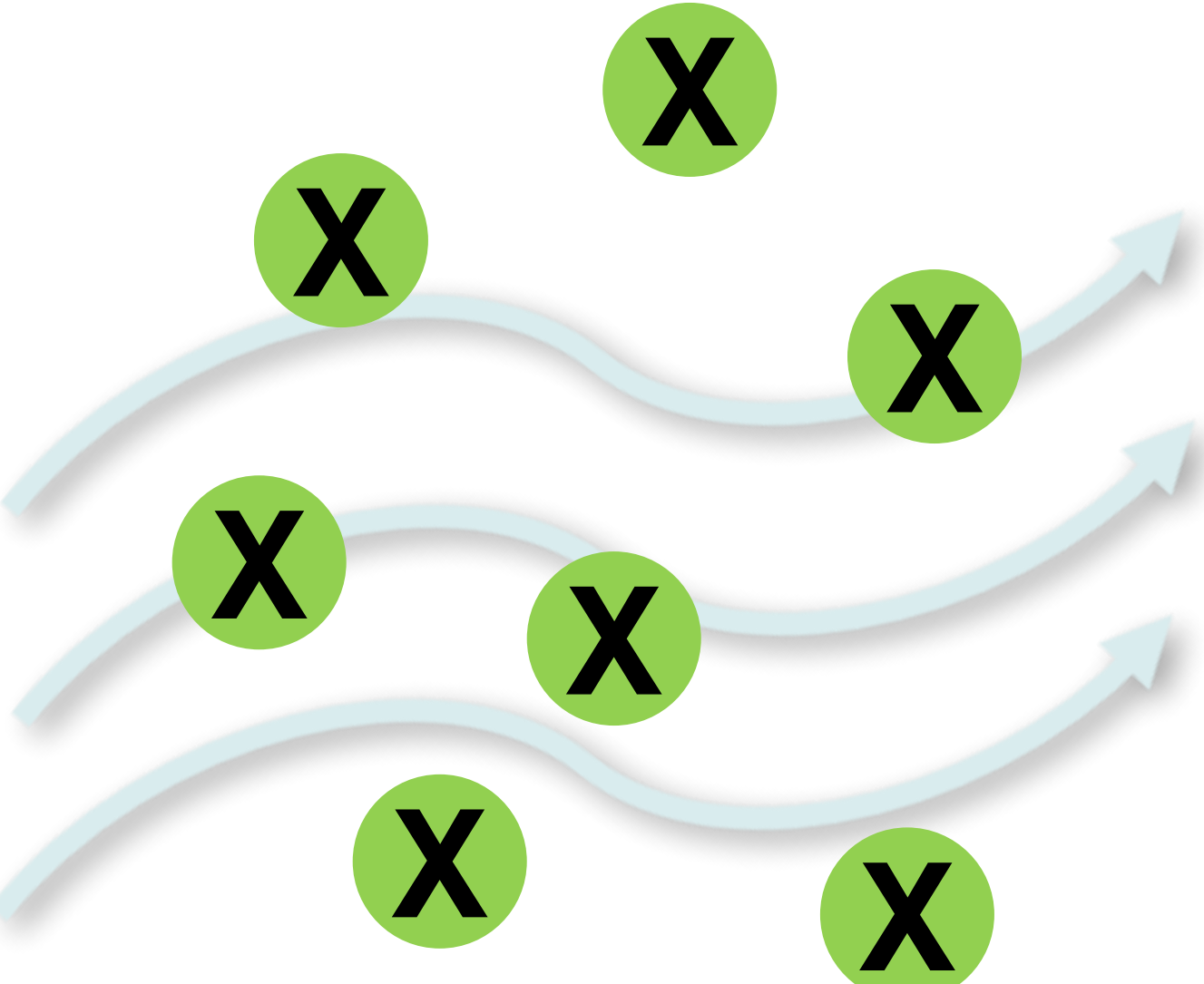


# CLEAN AIR INNOVATION IN THE AGE OF COVID-19

For many organizations, it's not just a matter of when to bring employees back into the workplace, it's also a matter of how to do so as safely as possible and how to provide confidence to employees and visitors that effective measures are in place.

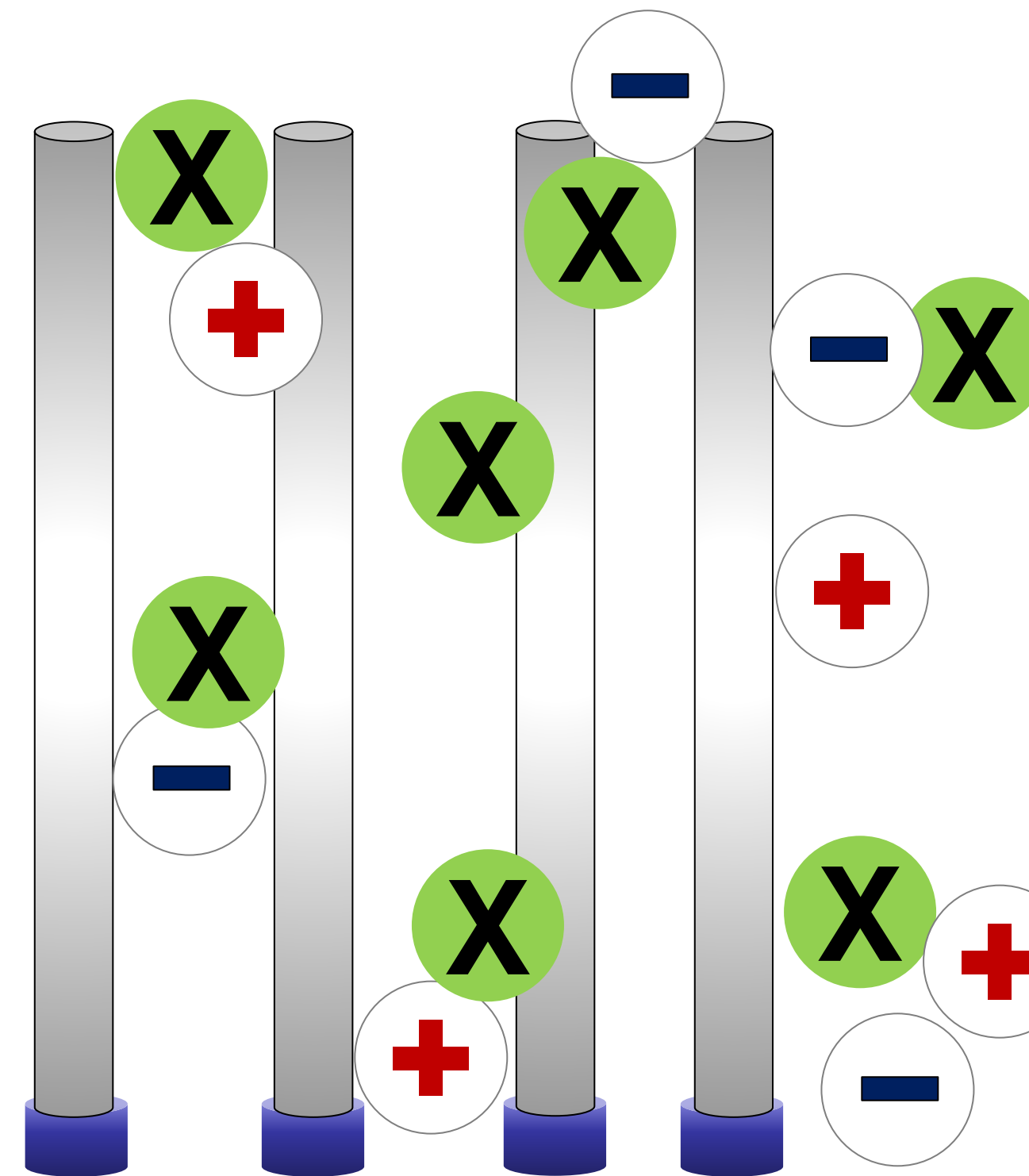
Used in large-scale ventilation systems worldwide, bipolar ionization is touted as a secret weapon in the war against COVID-19.

## From the Duct to the Workplace Environment

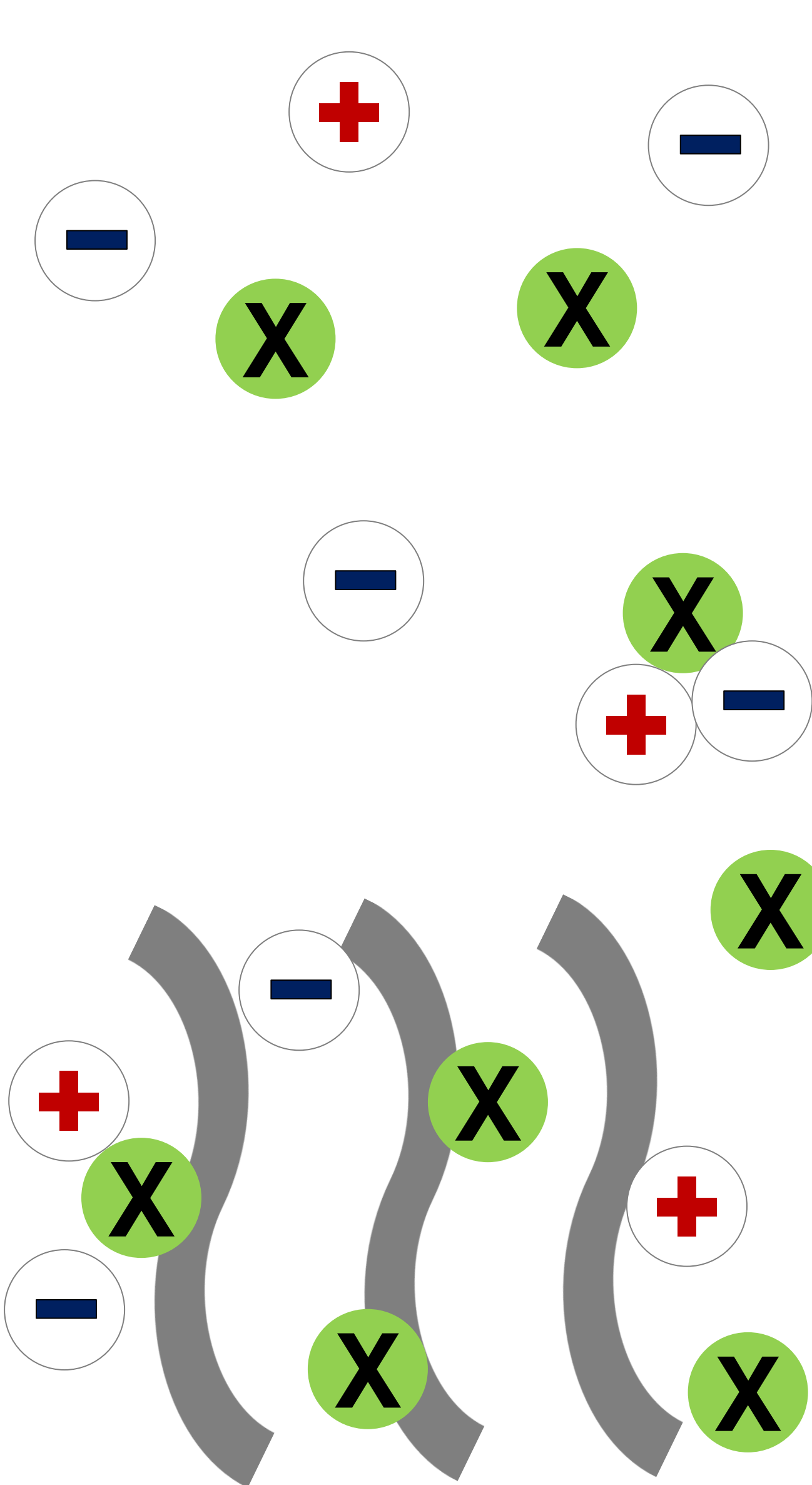


*In under an hour....*

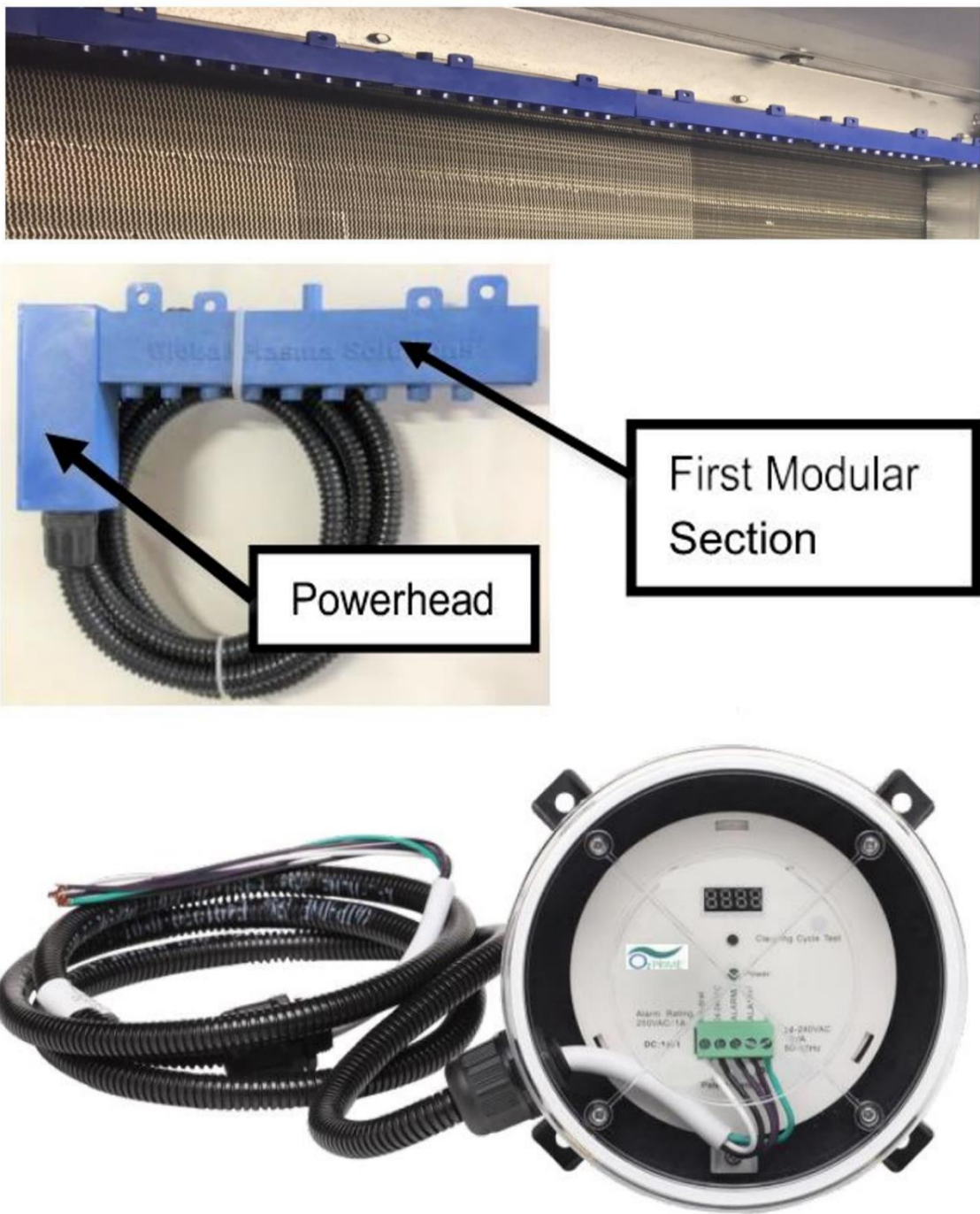
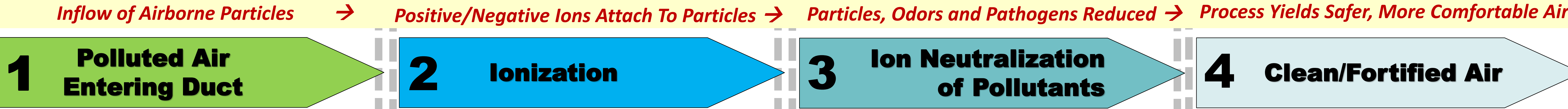
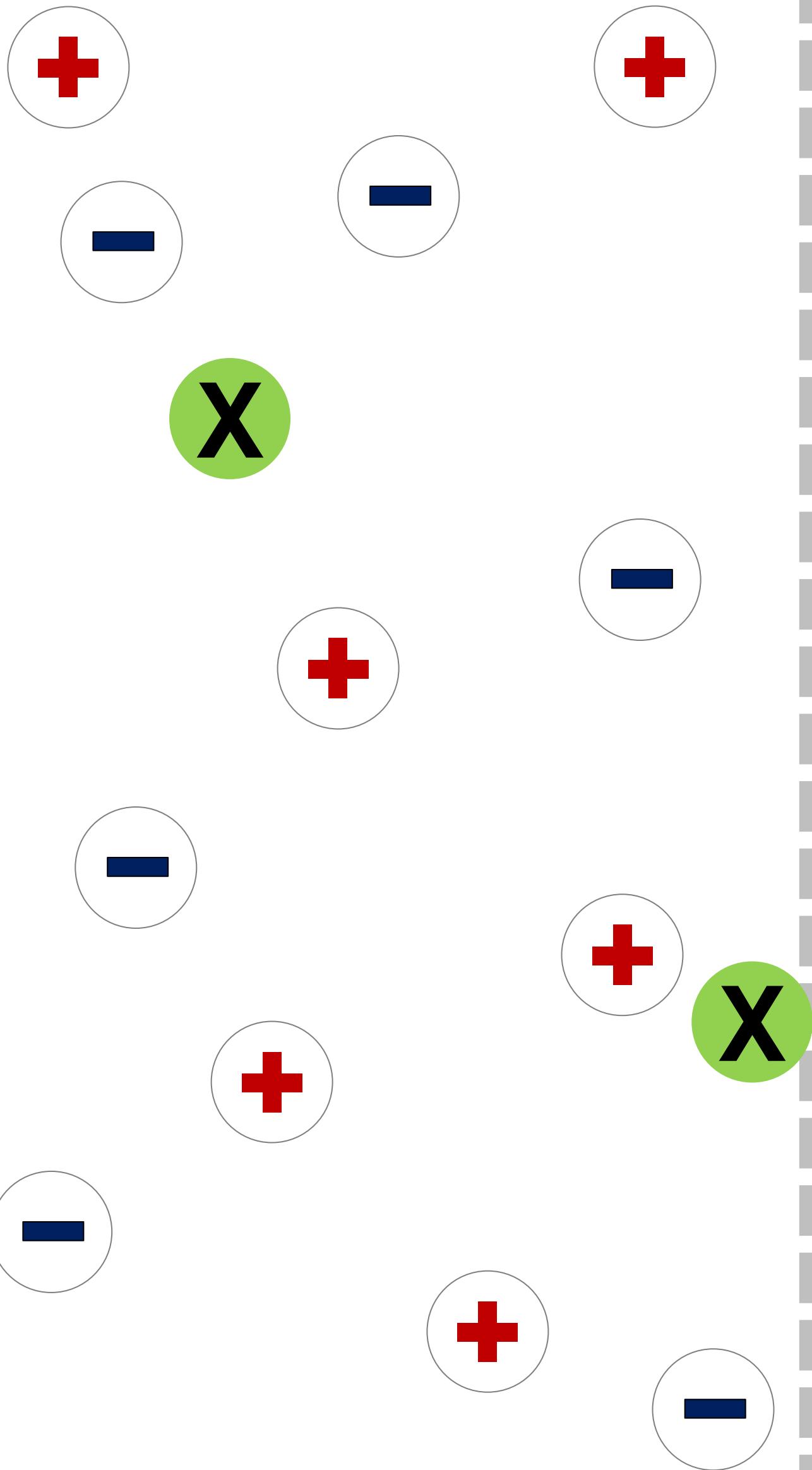
**The NPBI Process:**  
Needlepoint Bipolar Ionization technology releases charged atoms that attach to and deactivate harmful substances like bacteria, mold, allergens, viruses and VOCs.



**Ionization Begins...**



**45 Minutes Later**



**EASY AND LOW-COST**  
Recent advances have made bipolar ionization units cheaper and easier to install. They can help actively and continuously clean, disinfect and decontaminate the indoor air without a substantial increase in a building's energy usage and avoiding costly upgrades to existing HVAC systems.

The plan to improve indoor air quality at Mastercard's Headquarters in NYC included the installation of an O<sub>2</sub>Prime Needlepoint Bipolar Ionization. This provided the benefits of no retro-fit costs, less pressure drop, and less energy usage, without generating ozone.

**Needlepoint Bipolar Ionization at Mastercard Building New York, NY**

