

Motorstudio Makes Air Quality a Work of Art

BEIJING, CHINA

Designed to encourage creativity and collaboration, the Hyundai Motorstudio Art Center is a two-story art exhibition in the heart of downtown Beijing. Its goal is to merge environmental sustainability education with contemporary art and advanced technology. Being in Beijing, however, posed the issue of heavy air pollution, nuisance odors and potential health hazards.

Hyundai's Motorstudio Art Center was receiving complaints of a formaldehyde smell throughout the entire building, which was negatively affecting the overall guest experience. The source of the smell and the poor indoor air quality was from ambient and indoor air quality (IAQ) pollution.

Hyundai wanted to create a clean and comfortable environment for visitors but were struggling to do so because of the high levels of pollution. After receiving multiple complaints from guests, they decided to install an air filtration system that attached to the fresh air inlet of the building. This would allow for quick removal of a variety of pollutants, including PM₁₀, PM_{2.5} particulates, and gaseous contaminants (VOCs, formaldehyde and toluene). Because the recently installed furnishings emit unpleasant gases as well, the center wanted a filtration system to recirculate the air for a better visitor experience.

The center chose to install Purafil's canister filters filled with Purakol and IAQ media with pre- and final filters for particulate removal. The studio housed the canisters in a glass display for a stunning and functional display that fit right in with the center. The Hyundai Motorstudio Art Center noticed a significant drop in the formaldehyde smell, lower levels of VOCs and a more pleasant guest experience. Since the installation, there have been no more odor complaints. They continue to monitor quality with their air monitoring system, which shows how effective Purafil's system has been at keeping smells at bay and exceeding IAQ standards.

