

Filter 1 Case Study: Flowtron Self-Cleaning Air Cleaners

Flowtrons Clear the Air of Heavy Weld Smoke

Need: Visible Haze in the Weld Shop

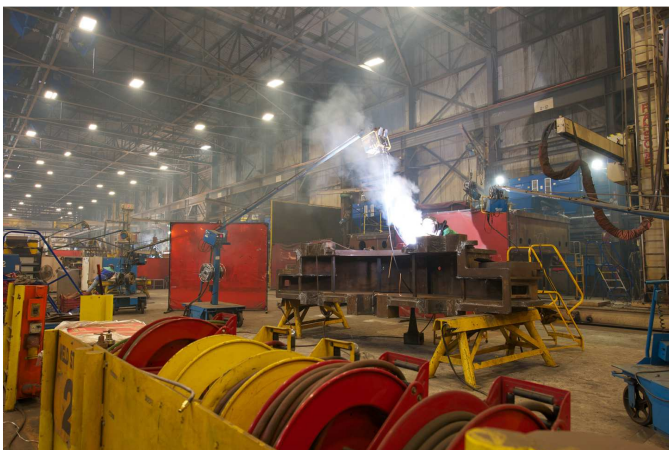
A leading manufacturer of mining equipment was well within OSHA limits for air quality in their large weld facility, but wanted to provide even better protection for their workers. They wanted to remove all the visual airborne contaminants from their welding, back gouging, and grinding operations.

Solution: Flowtron Industrial Air Cleaners

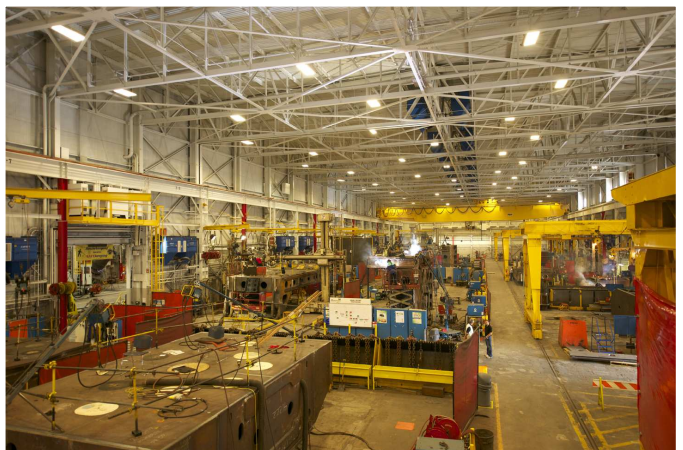
The company installed 63 Flowtron Air Cleaners -- fan powered, self-cleaning, overhead filtration units all connected to a central vacuum collector for fully automated dust removal to drums on the floor. The system was incorporated into the existing air makeup system to produce a full-room air circulation and filtration system, eliminating potential stagnant or hazy spots. Filter 1's full service distributor in the region, Hastings Air Energy Control, Inc., not only managed the installation, but also designed an intelligent control system to monitor the performance of the system online.

The company's director of health and safety reported that the results are clearly visible across the bay in the facility, and independent testing confirmed a more than 70% reduction in particulate matter. The company is pleased with the performance of the air filtration system, and also happy with the flexibility to accommodate growth and the ease of maintaining and controlling the system during seasonal climate changes.

Before



After



Filter 1 Clean Air Consultants

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