



POLT DESIGN GROUP
ARCHITECTURE - PLANNING - INTERIORS

PH: (410) 803 - 2141
WWW.POLT-DESIGN.COM

Industrial Sound

Industrial Sound Attenuation - Baltimore, MD

Twenty-two extremely noisy industrial engine-generators and a large animal preserve aren't normally considered compatible for co-location. Polt Design Group was proud to be part of a hand-picked, specialized design team tasked with creating a solution to this interesting problem.

The original "off the shelf" intake louvers provided no real sound attenuation and lacked the ability to effectively prevent rain and snow from being sucked inside the generator rooms due to the large quantity of intake air passing through the louver face. The solution had to perform flawlessly at noise reduction in order to meet the requirements of the animal preserve while maintaining the modern-industrial exterior aesthetic consistent with the remainder of the campus. Additionally, the entire structure had to be maintainable at a minute's notice due to the importance of the generators and was required to be entirely removable to facilitate installation and removal of the large diesel generators.

The final solution outperformed design expectations while blending perfectly into the campus' sleek modern façade. All of the accessibility requirements for maintenance were met, and each louver face is removable to allow for future generator installation or removal. The client was pleased with their custom tailored solution and is now able to ensure power generation around the clock if necessary without worrying about disturbing the neighbors. This was completed in 2011.

