



a clear direction for the future



case study

Connecticut, United States

Extreme silencer ensures quiet for company and community

Overview

Near the outskirts of a large community in the Connecticut hills, GT Exhaust and local channel partner All New England Sales, successfully met the needs of a locally based, world-wide chemical company's sound attenuation requirements. The final installation manifesting in a 24-inch 'extreme' rated silencer on a large generator set that also had a Selective Catalytic Reduction (SCR) unit in the exhaust piping. Combining its sound solutions with the existing unit's SCR to aid the reduction engine pollutants to levels mandated by Federal and State regulators, GT's unit aided the company in passing all with flying colors.



Challenge

Due to the large size of the SCR system, and to maintain low back pressure contribution from the silencer, GT built a silencer 62 inches in diameter and more than 20 feet long to ensure maximum sound attenuation and while producing minimum pressure drop. To protect the SCR from possible rust in carbon piping, GT provided 10-, 18- and 20-inch special stainless steel bellows, wyes, and reducing elbows for the exhaust piping.



Solution

With the customer's campus located just on the opposite side of the fence from a residential area, one of its most important goals was to proactively keep equipment and engine noise to a minimum, preserving the serenity of the community. With the help of GT, local channel partner All New England Sales, and the GT's 'extreme' rated silencer, all team achieved just that.



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