

Generator Noise – Case Study

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A client was installing large (over 2000 kW) emergency power generators to a Data/Call center located in a large metropolitan area. The new genset units were to be located less than 100 ft. from high end condominiums and the space to set the generators was very limited as well. The client tried working with genset enclosure providers, but they were having issues meeting the noise and space requirements. The client contacted Unger Technologies for help.

Unger Technologies provided a [modular, outdoor sound enclosure](#) with intake and exhaust [silencers](#). The advantage of this solution was four fold. First, the advantage of the smaller footprint of having a single enclosure housing multiple gensets versus multiple traditional generator enclosures. Second, access for maintenance was improved because the client would now have more space between each unit for access.



Third, because the "generator housing" or sound enclosure is technically a temporary or moveable structure, permitting is simpler versus constructing a fixed building to house the genset units. Finally, the sound enclosure is being supplied by a sound control company that specializes in the production of sound enclosures and acoustical silencers, thus ensuring that the noise reduction goals will be met.

