



## Initial discussions

JCW Acoustic Supplies were contacted in March 2021 by ITT Services. A number of discussions were had between ITT & JCW along with the scheme's acoustic consultant, resulting in plans being drawn up for an acoustic timber enclosure surrounding the new generator on all 4 sides. Particular care had to be taken with regards to the exhaust so that this could extract fumes sideways removing the need for there to be a roof on the structure. Once this was approved and quotes were agreed works were scheduled for September 2021.

## The Solution

Installation of the enclosure measuring 8m by 4m was carried out over the course of a week. To ensure stability it was decided that steel posts had to be used onto the concrete slab. Particular attention had to be made towards the area around the exhaust system making sure that this side of the enclosure fit snugly around this ensuring no damaging effect to the reduction in noise that was required. On one side of the enclosure steel framed timber gates, to the same acoustic standard, were implemented to allow for the easy access that was required for ongoing servicing and maintenance of the new generator.

## The Result

As can be seen from the photos the finished enclosure was of a sympathetic design that blended well into its surroundings. Malcolm Copeland of ITT commented

***"We are very happy with the new enclosure. Not only does it look nice it has also decreased the noise levels of the new and bigger generator to an acceptable level that is approximately 8-10dB lower than the old unit".***

As seen from the feedback once again JCW was able to provide and install a solution that was not only aesthetically pleasing but also solved the problem of anticipated higher sound levels of the new and bigger generator.

