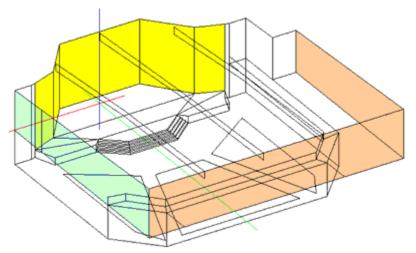


One important calculation EASE does is predicting maximum SPL (Sound Pressure Level). This image predicts the level to be between 98 and 103 dB at 1000 Hz. This would equate out to a system capable of 111 dB. Yes, 111 dB is really loud but since we would like to see no less than 6 dB and preferably 10 dB of dynamic headroom, this design satisfies that need, without paying for more acoustic output than necessary.



The above figure shows a simulation of a church where three different acoustic treatment scenarios needed to be evaluated. EASE allowed sound engineers to check and compare the results of all three solutions in any combination. This enabled the customer make a cost to benefit judgment before spending any money.