

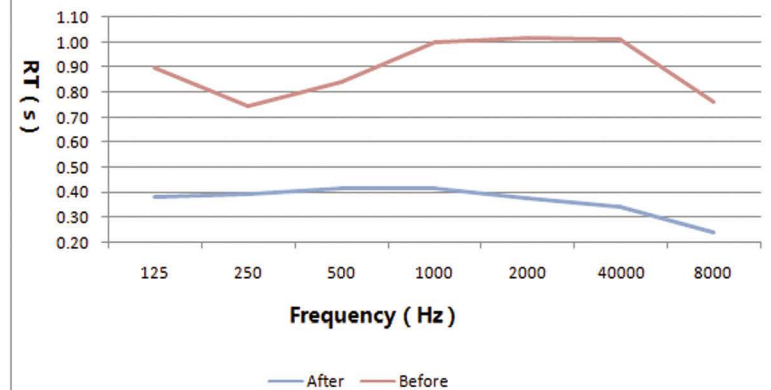


Room Function: Audio & Video meeting with the headquarter in Germany.
Problems: Complains from headquarter about the voice from Beijing being with low speech intelligibility .

Reason: Hard reflective finishes of ceiling and 4 walls leads to long reverberation time and low speech intelligibility.

Target: 1) Keep the decoration visual effect; 2) Sound absorptive materials must be Eco-friendly; 3) Rapid construction.

Comparison of RT Curve before and after modification



Solutions: Analysis and calculation indicates that the ceiling and south wall need sound absorption treatment.

Material: Acoustic sand panels. Seamless fine finish looks like plaster. Class A fire rated.

Final test: Better subjective feeling, better RT curve, better RT at mid frequency, e.g. 0.42s at 1000Hz. Keep original visual effects. Favorable reviews form the client.