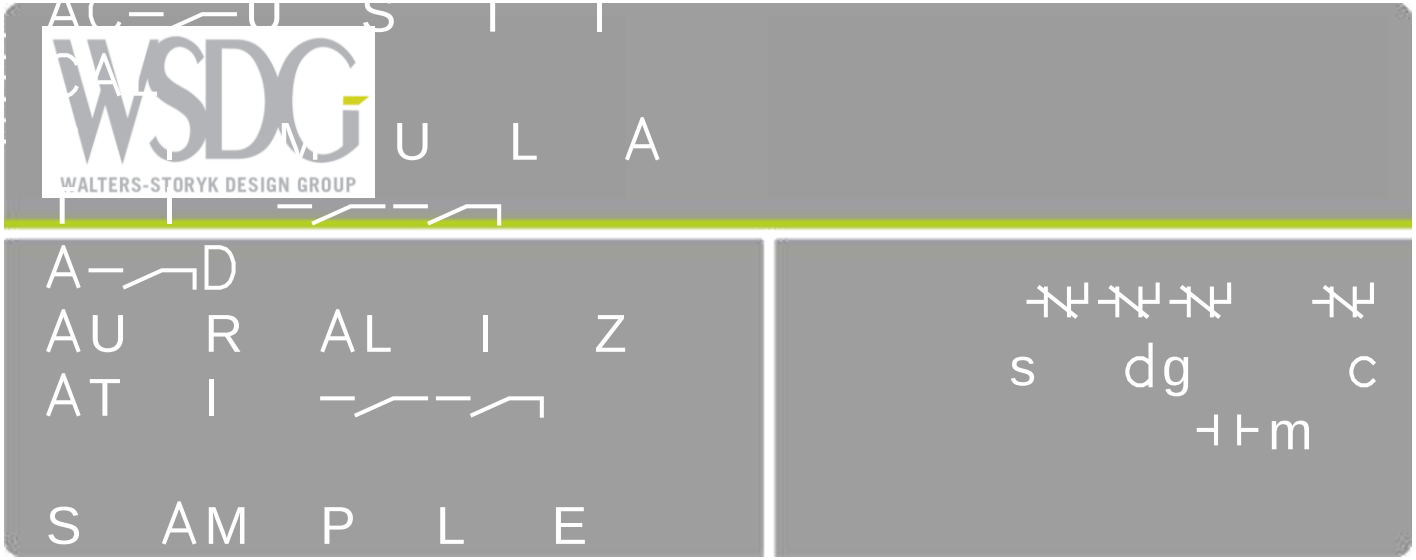
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PROJECT 1

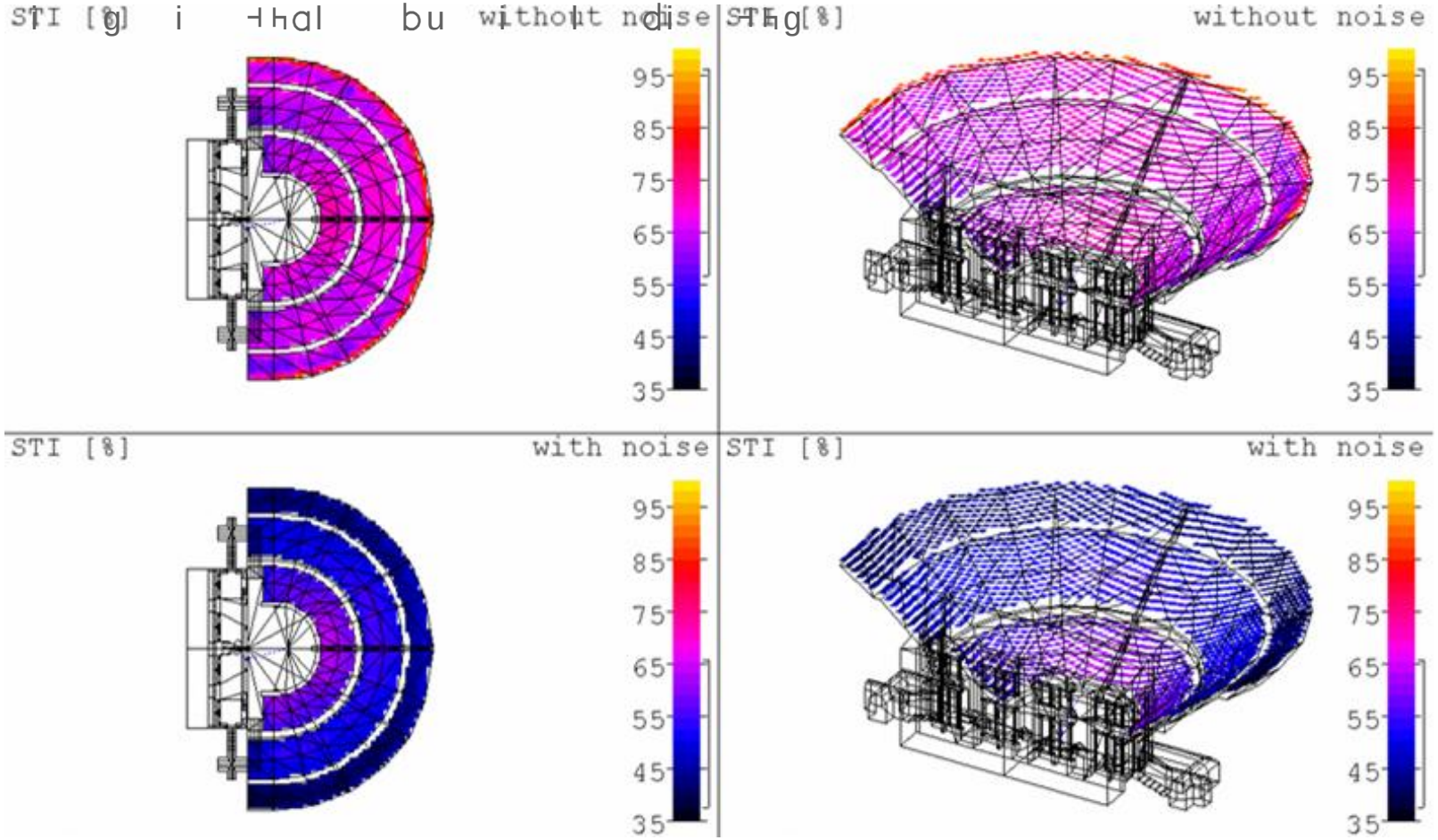
AMPHITHEATER

Southern Theater
Geras, Jordan; approx. 90 AD, approx. 4000 seats

Original building is not available anymore – but it can be modeled!

PROJECT 1
AMPHITHEATER

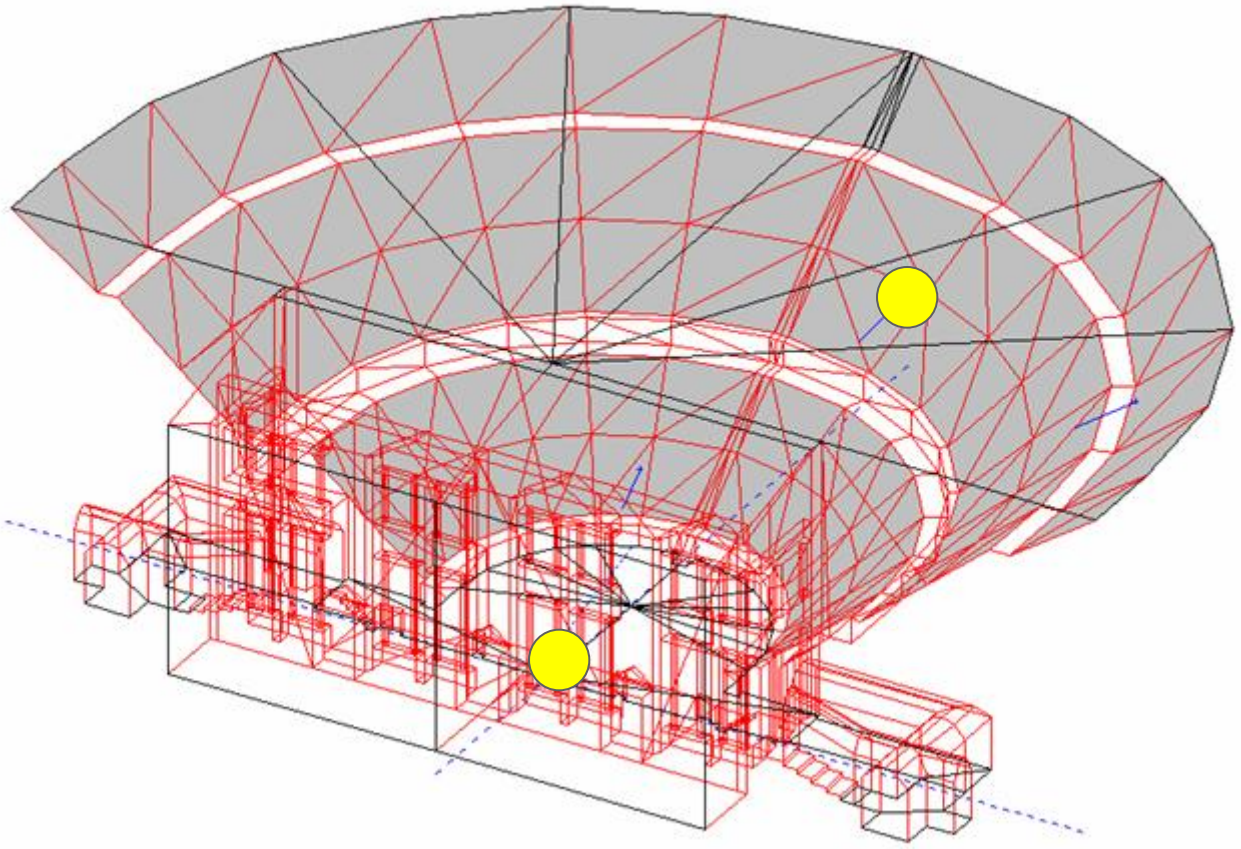
Calculated STI Speech Intelligibility in the original building design



PROJECT 1
AMPHITHEATER

Simulcast instructional video

Guitar 0:15



PROJECT 2 – HOME THEATER

PAGE

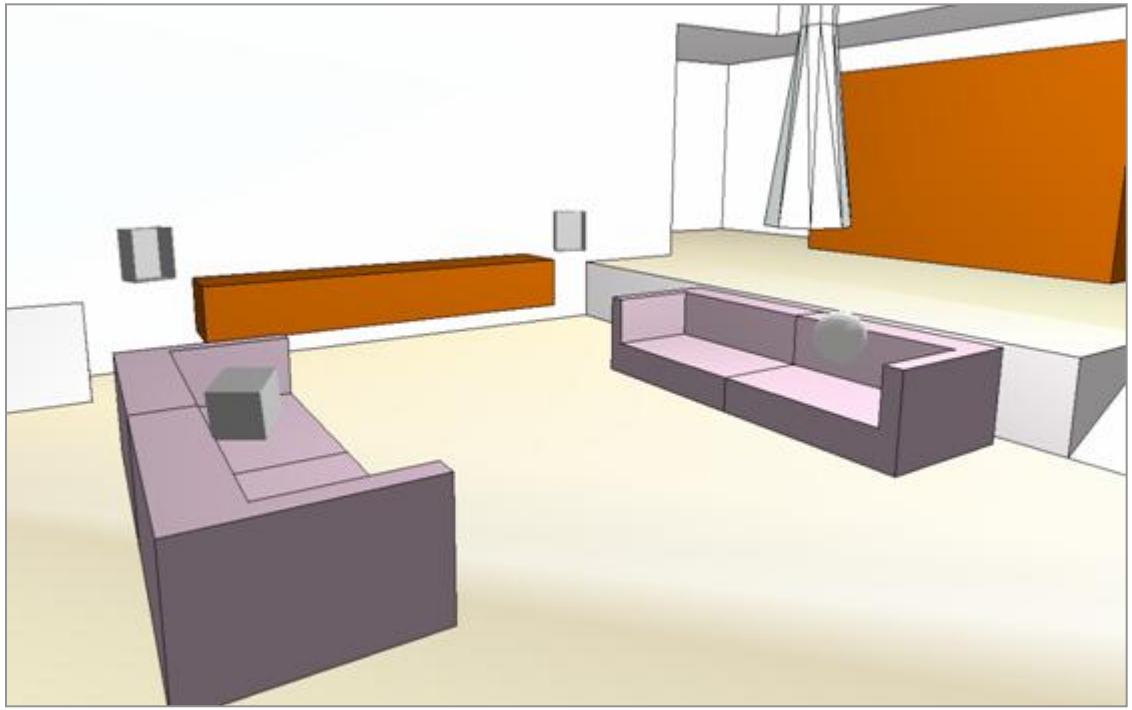
Home Theater

Architect's First Material Build Out

Suggested Room Acoustics

Music 0:30

Music 0:30



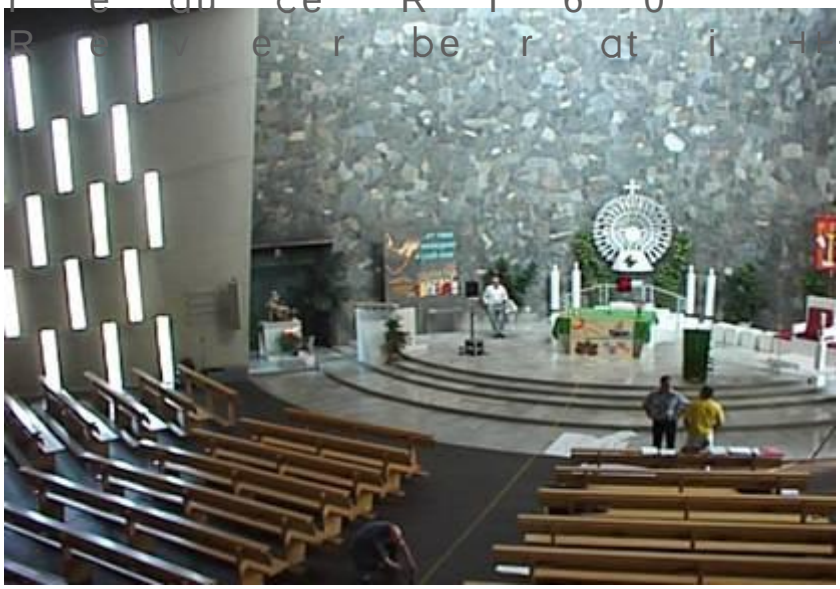
PROJECT 3 – CHURCH

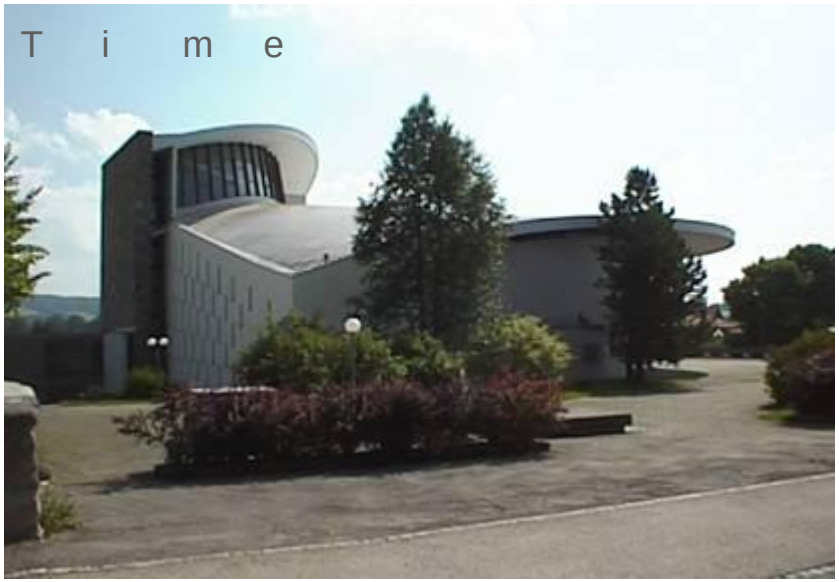
PAGE

Existing Church

Planning for mechanical revisions to reduce RT60

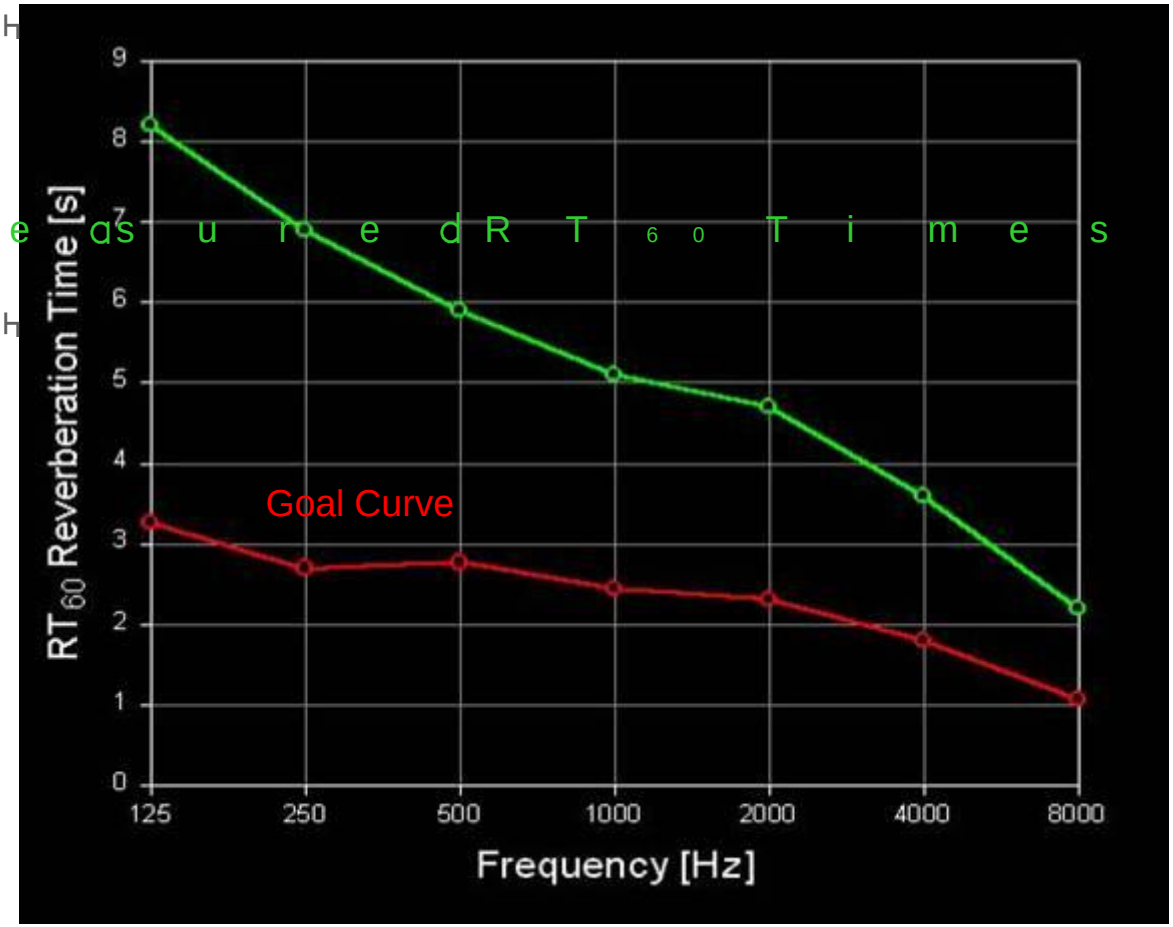
Reverberation Time





PROJECT 3 – CHURCH

PAGE



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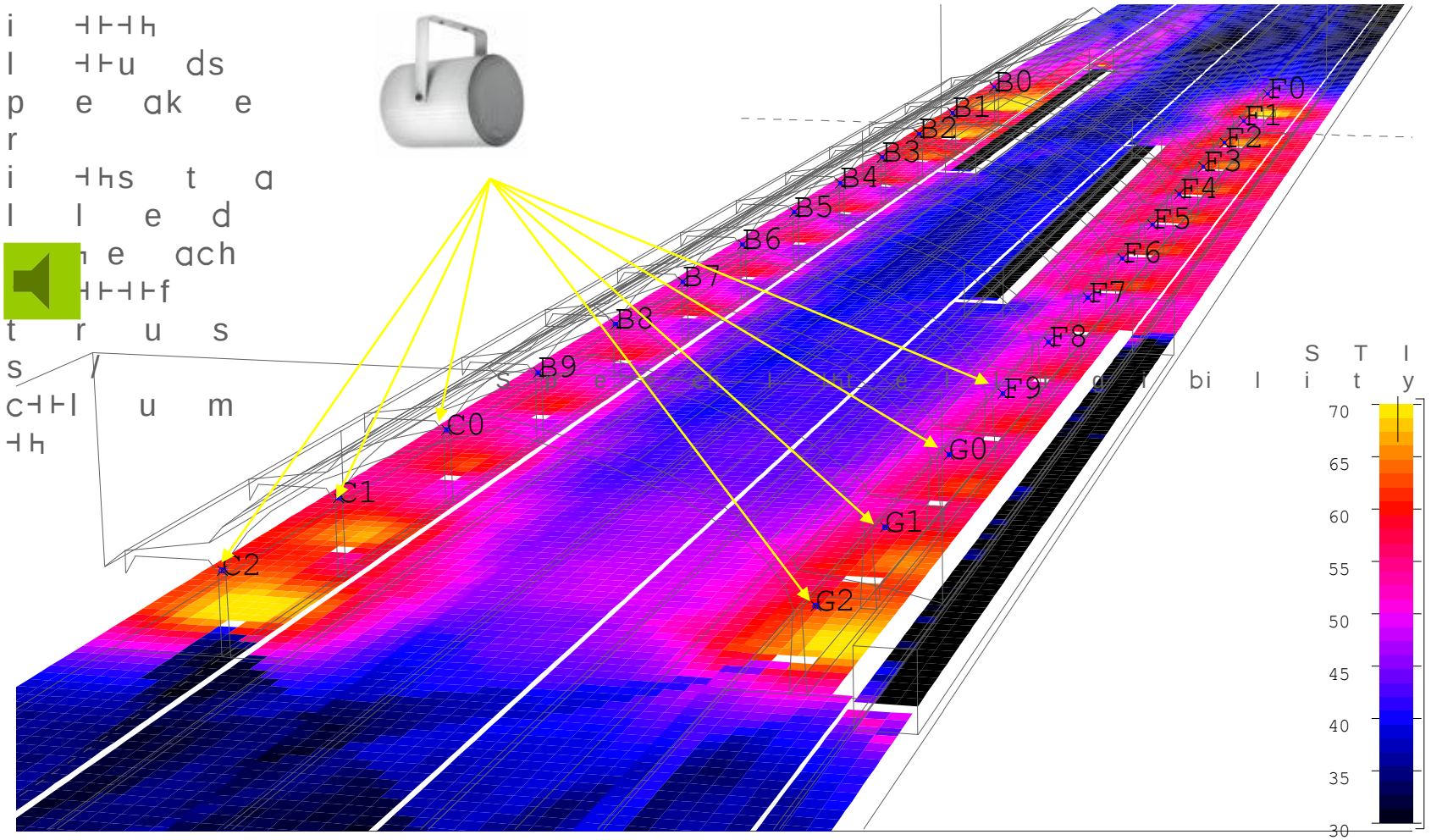
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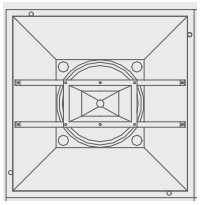
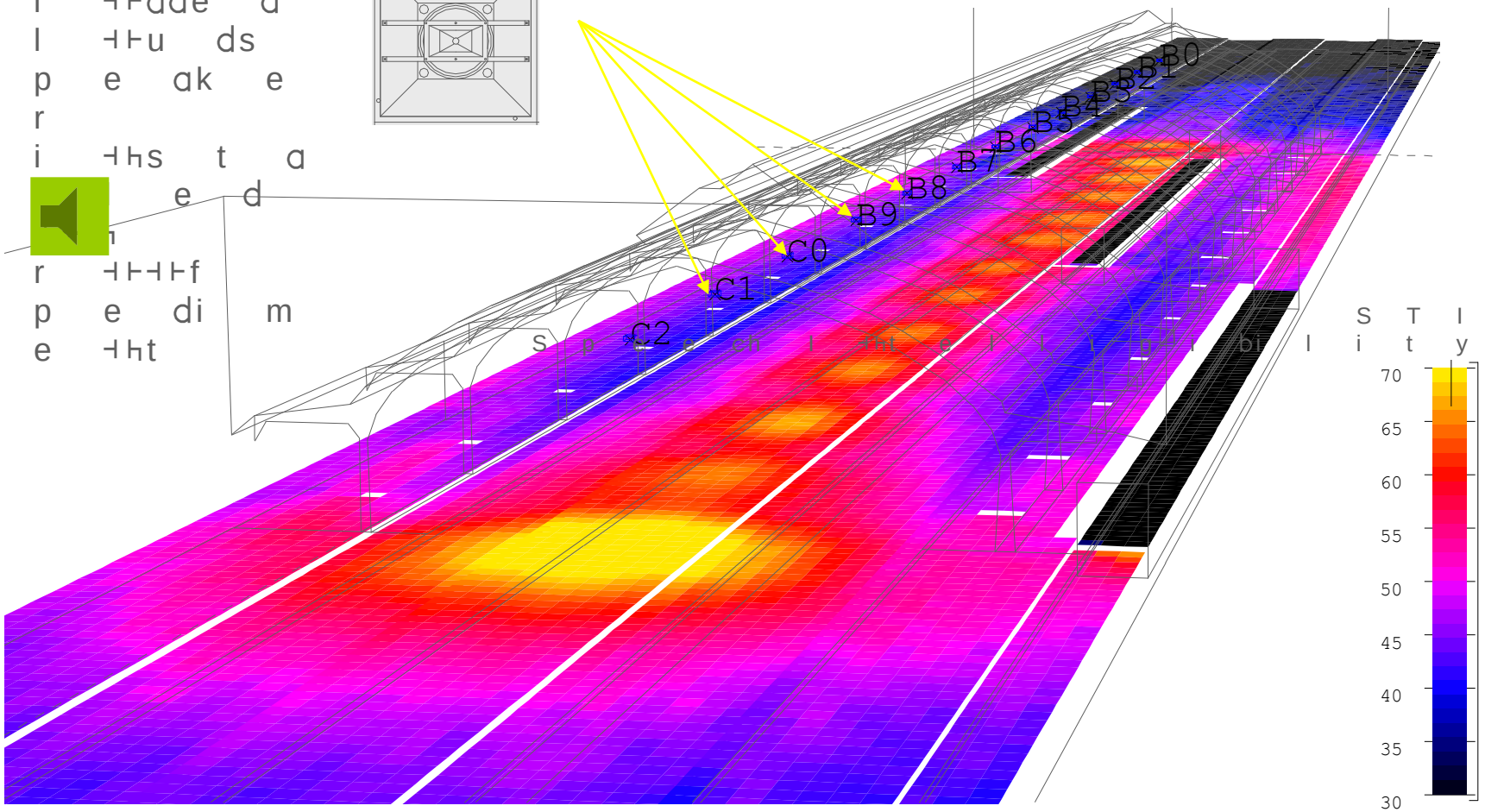
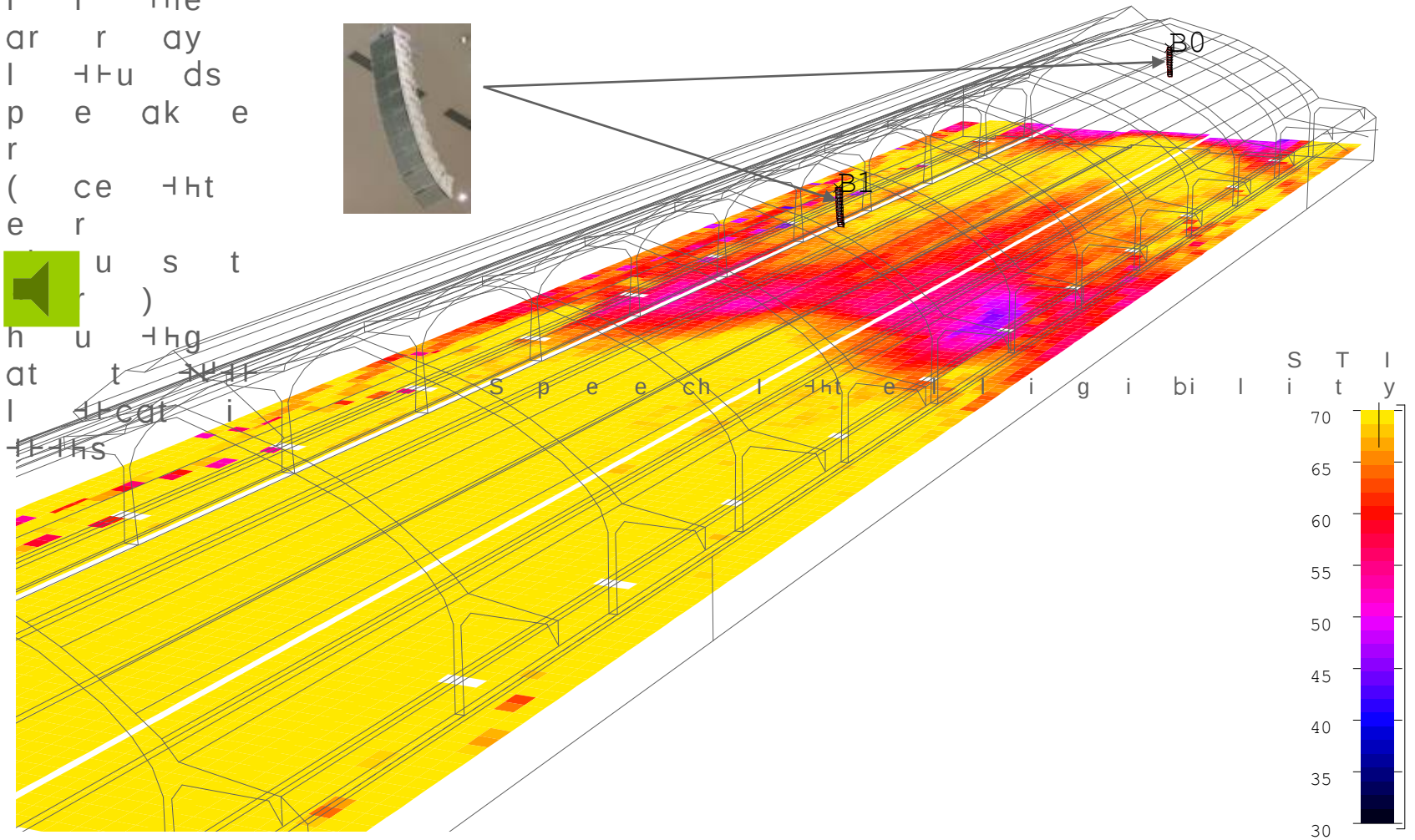
PROJECT 4 – TRAIN STATION





Multi-PROJECT 4 – TRAIN STATION



Multi-PROJECT 4 – TRAIN STATION

PAGE

Multi-PROJECT 4 – TRAIN STATION

PAGE

Multi-PROJECT 4 – TRAIN STATION

PAGE

Recording Room

PROJECT 5 – RECORDING

PAGE

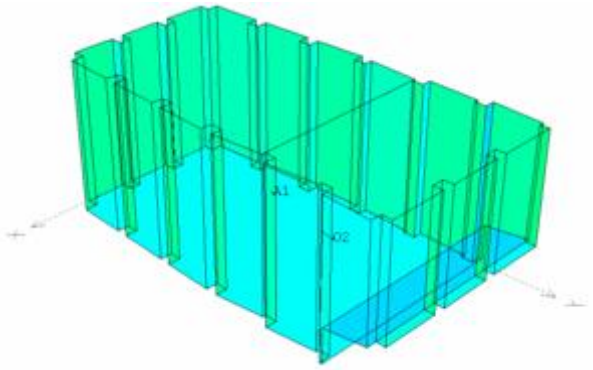
compare
RT60
simulations
with
real world
measurements

Recording Studio

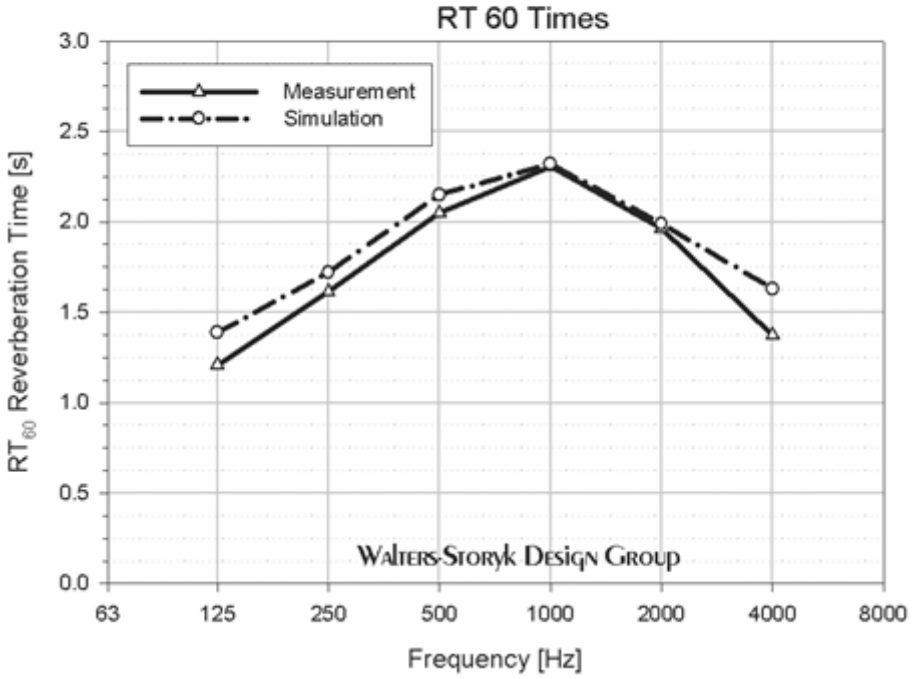
PROJECT 5 – Complete Recording Studio

PAGE

simulation with recorded Audio File



CATT Simulations



PROJECT 6 – AUDITORIUM

Auditorium – chamber participant simulation with real world measurements

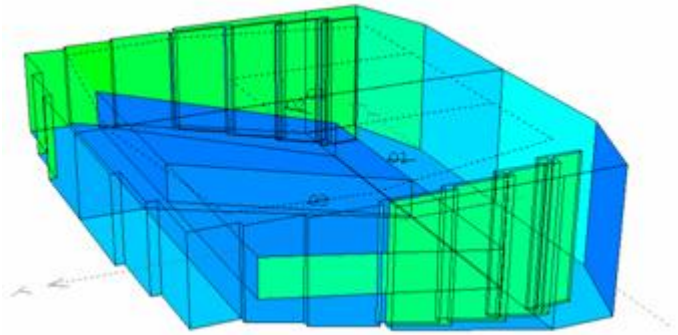
PROJECT 6 – AUDITORIUM

Auditorium – compare simulations with recorded

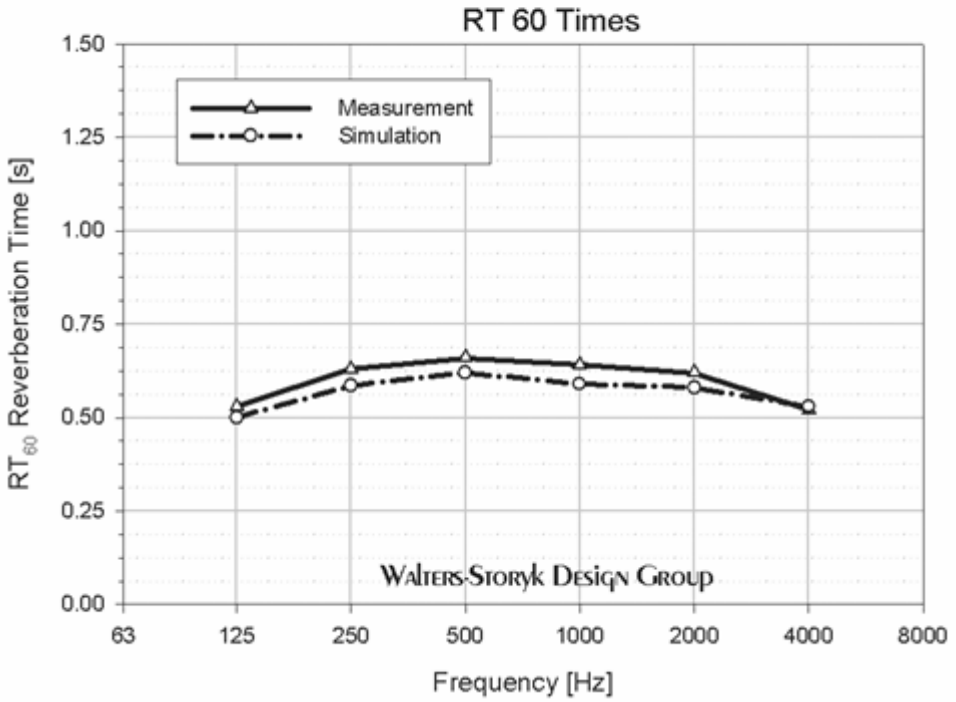
Recorded Audio File 0:20

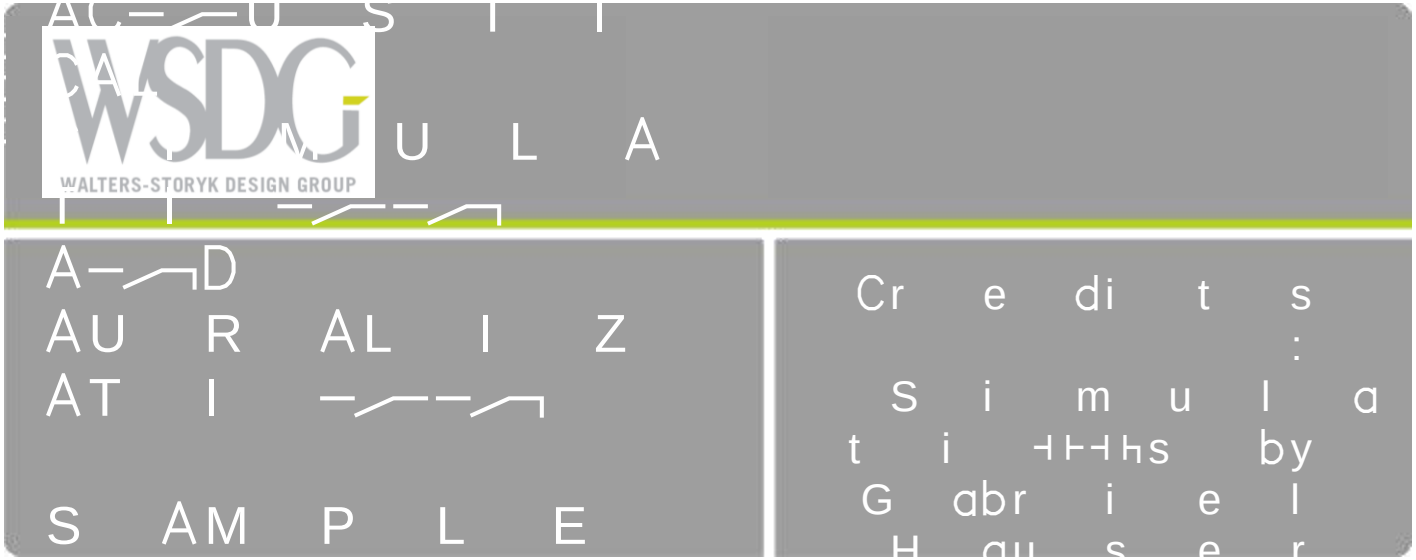
Auditorium – simulated

Simulated Audio File 0:20



CATT Simulations

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AND
AURALIZATION
SAMPLE
Credits:
Simulations by
Gabriel
Hauser