

Auditorium Acoustic Simulation & Line Array Design

3D EASE Ray-Tracing & Digital Beam-Steering in 500-2,000 Seat Halls

1. Acoustic Challenges: Controlling RT60 reverberation time in high-volume public halls.
2. Line Array Placement: Directivity control, down-tilt angles, and uniform SPL coverage.
3. Speech Intelligibility: Achieving STI scores greater than 0.65 across all audience rows.
4. Stage Lighting & DMX Automation: LED theatrical luminaires and scene preset controllers.
5. Turnkey Commissioning: Real-time RTA spectrum analysis and DSP system calibration.

SmartClass Tech Solutions Pvt. Ltd. | <https://www.smartclasstech.com> | +91 95705 31249