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ARCHITECTURAL ACOUSTIC PROFILE

INRODUCTION

SOUND CREATIONS LIMITED is an Audio, Visual and Acoustic solution company founded in

2004 to offer professional products and services in Kenya and East Africa at large.

With great insight in the Sound systems industry, in 2014 the company saw the need to add on ARCHITECTURAL ACOUSTIC department to its dossier to resolve the challenge client's venues were experincing with Echo and Noise Control. This department has since grown to become a trusted and professional patner to

- Architectural firms
- Contracting companies
- Interior Design Firms, among others.

Sound Creations Ltd has also the backing of industry renowned and respected brands in Acoustics like Rockfon & Rockwool, Tiange Acoustics and EZ Acoustics

MISSION

To ensure customer satisfaction by providing exceptional products, services and solutions using guiding principal of architectural acoustics

MARKETS

Coporate Venues (Boardrooms & offices) Commercial Venues (Shooping malls and supermaket chains) Houses of Worship Auditoria and Social & Ehibition Halls Learning Institutions Hotels and Entertainment venues Airports Factories Hospitals



By providing innovative solutions and procedures towards creating excellence in acoustic and electroacoustic design and installation. We always look forward to participate in a collaborative design process.(this includes understanding our clients and their venues) Using advance acoustic testing and measurement equipment, Sound Creations' consultants can evaluate and analyze different spaces to develop acoustic criteria as well as evaluate their achievement with utmost accuracy.

ARCHITECTURAL ACOUSTIC PROCESS

1. INCEPTION

The acoustical criteria will detail the optimum acoustic environment required, this may include: the sound isolation requirements, the noise criterion (NC) and the reverberation time (RT60). After the acoustical criteria for the space has been established and the quality of the sound as it relates to the budget has been determined. This will be presented in the form of an acoustic report presented in both hard and soft copy formats.

2. SCHEMATIC DESIGN & DEVELOPMENT

Includes recommendations for Aoustical criteri. Specified details in: Volumes of spaces; Dimensions; Location of spaces and their adjacencies; Structural concerns; Mechanical equipment locations and guidelines; and a brief outline of major partition types, special floor or ceiling assemblies, area requirements for variable acoustic elements etc. Deliverables at this stage include :

- Partition details,

- Penetration details, and sketches for acoustic doors, windows, and floating floors.

- Room finish options are also developed.

- Mechanical duct and pipe sizing and distribution are discussed

- Preliminary location and sizes of equipment and adjustable acoustic systems and layouts



ARCHITECTURAL ACOUSTIC PROCESS

3. CONSTRUCTION DOCUMENTATION & ADMINISTRATION

Construction document services usually include many reviews of drawings and specifications to ensure that the acoustical recommendations have been incorporated correctly.

We provide our recommendations in the form of sketches, drawings, reports, memorandums, letters, meetings, and so on for the architect and engineers to incorporate into the documents.

4. POST CONSTRUCTION

Acoustical services can and often must be part of building commissioning services. This usually involves verifying acoustical criteria and establishing the initial setting of adjustable acoustic systems.

Where adjustable acoustic systems have been employed, post construction services may involve tuning to achieve the proper acoustical balance.

For performance spaces, our consultant must work with performance groups in rehearsal to determine the most agreeable settings. In addition, the consultant may have to train users in the use of the audio systems or adjustable acoustic systems.





Reverbaration Testing Sound Isolution testing Vibration Isolation **Ceiling Treatment** Wall treatment Floor Treatment Sound Proffing

BRANDS







ACOUSTIC **PRODUCTS**

- Wooden Perforated Acoustic Panels Wooden Sound Diffusers
- Grooved Wooden Acoustic Panels
- Woodwool Acoustic Panels
- Acoustic Reflection Panels
- Perforated Alminium Acoustic Panels Fibre Glass
- Polyester Fiber Acoustic Panels
- Acoustic Doors and Windors, etc.
- Wood Grain decorating panel
- Acoustic reflective ceiling panels

- Acoustic Partition Walls
- Fabric Acoustic Panels
- Rockwool
- Acoustic ceiling tiles Rockfon
- Carpet
- PVC Flooring
- Antistatic Flooring



COMPLETED PROJECTS

- 1. PCEA Thamanda Main Church Sanctuary (1000 Pax)
- 2. Adventist University of Africa (AUA) Main Hall (2,000 Pax) and Mini Auditorium (100 Pax)
- 3. PCEA Evergreen Church New Sanctuary (2,000 Pax)
- 4. Anjarwalla & Khanna Africa Legal Network Auditorium (150 Pax) and Banquet Hall (300 Pax)
- 5. Tanzania Assemblies of God, Bethel Christian Centre (800 Pax)
- 6. Karura Community Chapel new santuary (2,500 Pax), youth Hall (800 Pax) and Teens Church (800 Pax)
- 7. St. Joseph's Apostle Catholic Chuch Hall (700 Pax)
- 8. Sarit Centre expansion Proposed Phase III Exhibition hall (7,000 Pax) and meeting room (500 Pax)

- 9. KAG Umonja Church Hall (700 Pax)
- 10. Aga Khan Academy Amphitheatre (500 Pax)
- 11. PCEA Gateway Church Hall (1,500 Pax)
- 12. AIC Langata Church Hall (1,200 Pax)
- 13. PCEA Nyahururu Church Hall (700 Pax)
- 14. PCEA Chuka Town Church (1,000 Pax)
- 15. RGC Liberty Christian Centre (1,500 Pax)
- 16. Oshwal Community Centre Halls (5,000 Pax)
- 17. Oshwal Academy Nairobi Senior High Examination Hall (500 Pax)
- 18. Kenyatta University Amphitheatre (1,000 Pax)
- 19. Lavington SDA Church Hall (1,500 Pax)
- 20. Tumaini University, Makumira Assembly Hall (2,500 Pax)