ARCHSOUNDPRO

YOUR VISION. ENGINEERED IN SOUND.

PORTFOLIO

INDEPENDENT AV & AUDIO SYSTEMS DESIGN CONSULTANT

AV CONSULTING • SYSTEM DESIGN • ENGINEERING • TECHNICAL PRESENTATION



AUDIO SYSTEMS | AV SYSTEMS | ACOUSTICS | DSP | SYSTEM INTEGRATION

ARCHSOUNDPRO

www.archsoundpro.com



MOHAMMAD HOSSEIN JAVADIAN

WEBSITE:
ARCHSOUNDPRO.COM

CONTACT:
ARCHSOUNDPRO@GMAIL.COM

LANGUAGES:
PERSIAN: NATIVE
ENGLISH: PROFESSIONAL WORK

WORK EXPERIENCE
The beginning of building the intellectual foundation of others:
FROM **2006** (MORE THAN **20** YEARS)

CERTIFICATE:
Advanced Certificate in EASE Acoustic & Electroacoustic Software AFMG (Ahnert Feistel Media Group)
Advanced training in professional acoustic and electroacoustic design using EASE software.

Advanced Certificate in EVO & DIALux Lighting Analysis Software Danesh Pajouhan Institute Advanced training in lighting analysis and evaluation of standard illuminance (lux) levels in various spaces using EVO and DIALux software.

Advanced Certificate of AUTOCAD in MOJTAMAE FANNI Institute (MFTPLUS) for 2D & 3D in the context of SOUND & ARCHITECTURE design



BEING FREELANCER
=
BRAND INDEPENDENT
=
PROJECT & CLIENT FLEXIBILITY

SUMMARY
Senior Audio Design Engineer with more than **20** years of experience in professional Sound systems design, system integration and optimization cross enterprise, performance and public environments.My experience includes conference hall, auditoriums, theatres, stadiums, concert halls, houses of worship, immersive spaces, andlarge-scale collaboration environments. I have led projects from concept and system design through commissioning and with a strong focus on reliability, usability, and long-term system performance. Technical expertise includes: sound system design & amp; integration Acoustic simulation and analysis, powerpoint presentation schematics, signal flow or riser diagram, rack layouts, and technical documentation and finally in some case As- built. For presentation I have lots of ability such as making booklet, brochure, catalog, making website, advertisment for magazine and.....



WORK EXPERINCE AS A FREELANCER

	COMPANY	POSITION	RESPONSIBILITIES
2006 TO 2010	–	FREELANCER	1- MASTER'S PROJECTS OF STUDENTS 2- BUILDING FAÇADE DESIGNER 3- INTERIOR DESIGN A TO Z 4- ANIMATION FOR PRESENTATION
2011	KISH PISHGAMAN	MANAGER DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- TRANSLATOR OF FOREIGN COMPANIES 4- R&D
2012 TO 2017	NOOR SEDAYE KHALIJE FARS GSL PRO IN DUBAI	DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- TRANSLATOR OF FOREIGN COMPANIES 4- R&D 5- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER 6- LIGHT SIMULATOR & LUX ANALYZER
2018 TO 2019	FARAYAND SYSTEM MANDEGAR	DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER 4- LIGHT SIMULATOR & LUX ANALYZER
2020	AVA RASAN NOVIN KHALIJE FARS	DESIGNER	1- BUILDING FAÇADE DESIGNER 2- INTERIOR DESIGN A TO Z 3- SOUND DESIGNER 4- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER 5- LIGHT SIMULATOR & LUX ANALYZER
2021	AUDIO & VIDEO MOBIN AVAYE BAZTAB	DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- R&D 4- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER
2022	ARVAN FARAZ MEHREGAN	DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- R&D 4- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER
2023 TO 2024	–	FREELANCER	1- MASTER'S THESIS CONSULTANT 2- BUILDING FAÇADE DESIGNER 3- INTERIOR DESIGN A TO Z 4- ANIMATION FOR PRESENTATION
2025 TILL NOW	TARH ANDISHE BARAD	DESIGNER	1- SIMULATOR 2- SOUND DESIGNER 3- R&D 4- CATALOGt BROCHURE& MAGAZINE ADVERTISMENT DESIGNER 5- ANIMATION FOR PRESENTATION 6- WEBSITE DESIGNER BY ELEMENTOR



DIGITAL ENGINEERING & SOFTWARE EXPERTISE

A-Receive The Document:

1- Type of Projects: Pro Sound, Public Address, Back Ground Music, Conference System
2- Project Requirements
3- Assessment Of Limitations
4- Preparing The Presentation & Meeting With The Client

Microsoft Word Microsoft PowerPoint Microsoft Excel

B-START OF THE DESIGN PROCESS/ PREPARATION OF PLANS:

1- In PROSOUND, Preparing The Plan For 3D Simulation
2- In PUBLIC ADDRESS & BACKGROUND MUSIC, Layering For Speaker Placement
3- In CONFERENCE SYSTEM, Layering For Any Equipment
4- In LIGHTING, Removing Excess Layers To 3D Simulation

VENUE SYNTHESIS AutoCAD DIALux EVO

C-3D SIMULATION AND SOUND & LIGHT ANALYZE:

1- In PROSOUND, Creating A Fully Detailed 3D Model In AutoCAD, Importing Into Electro-Acoustic Simulation Software, Positioning Speakers & Analyzing Sound Across Various Frequencies.
2- In PUBLIC ADDRESS & BACKGROUND MUSIC, Two Steps To Speaker Placement, First Step In AutoCad, Then Simulation In AutoCad, Importing Into Electro-Acoustic Simulation Software, Step Two Of Positioning Speakers & Analyzing Sound Across Various Frequencies.
3- In CONFERENCE SYSTEM, Conference Mirophone Placement, CCTV, Camera, Speakers, VSP Pannel, LED & Other Requirments.
4- In LIGHTING, Full Simulation In Lighting Analyzer And Evaluate LUX According Standards

EASE Third Edition AutoCAD VENUE SYNTHESIS DIALux EVO



DIGITAL ENGINEERING & SOFTWARE EXPERTISE

D-MAKING FIRST PRESENTATION:

1- BOOKLET/ Include Of:

-Introduction Of Company

-Images Of Several Projects Installed By The Company

-Describing The Project Type, Including Requirements, Specifications & Constraints, Based On The Specific Category (Audio, Conferencing, Or Lighting)

-Pictures Of Simulation From Top, Front, Side, Perspective Imported From Some Software

-Analysis Of Various Frequencies

-View The Equipment Used In 3D

-Technical Specifications Of The Products Used

-Some Projects That Used These Products

2- ANIMATION: All Of The Above Can Be Presented In The Form Of An Animation

Microsoft Word | Microsoft PowerPoint | Microsoft Excel | SketchUp | Enscape | Photoshop | Windows Movie Maker | VivaVideo | ChatGPT

E- MEETING WITH THE EMPLOYER ABOUT INITIAL DESIGN

-Presenting The Initial Design To The Client, Addressing Any Issues, And Obtaining Client Approval For The Next Step.

F- ROUTING & CABLING

-Following Installation And Client Approval, And Setting Aside Considerations Such As Pricing And Sales, a Professional Installation Requires Precise Cabling And Connections That Aadhere To Protocols Like Dante and AVB. Naturally, The Ducting Plans Must Be Provided To Us.

-In The Subsequent Stage, The Layout Is Determined Based On Electrical Rooms, Mini-Racks, Main And Auxiliary Control Rooms, And Zoning.

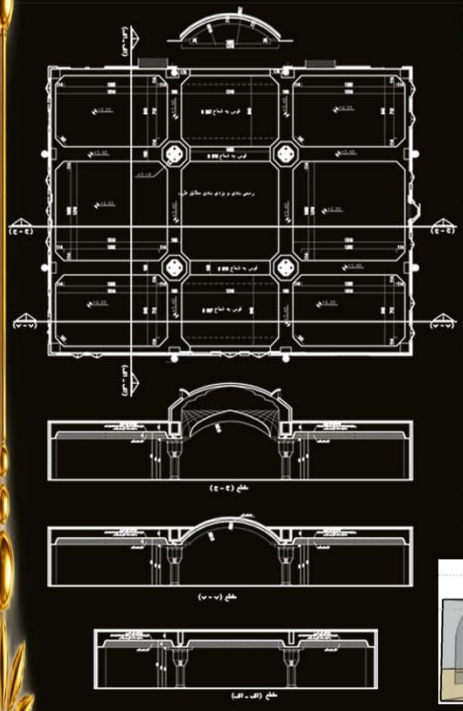
AutoCAD | Visio | Dante | BLU link

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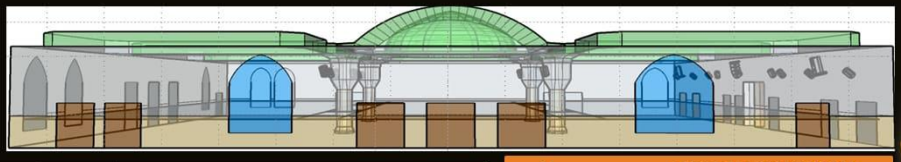
SELECTED PROJECTS/DESIGN, ENGINEERING & INSTALLATION TEAM MEMBER:

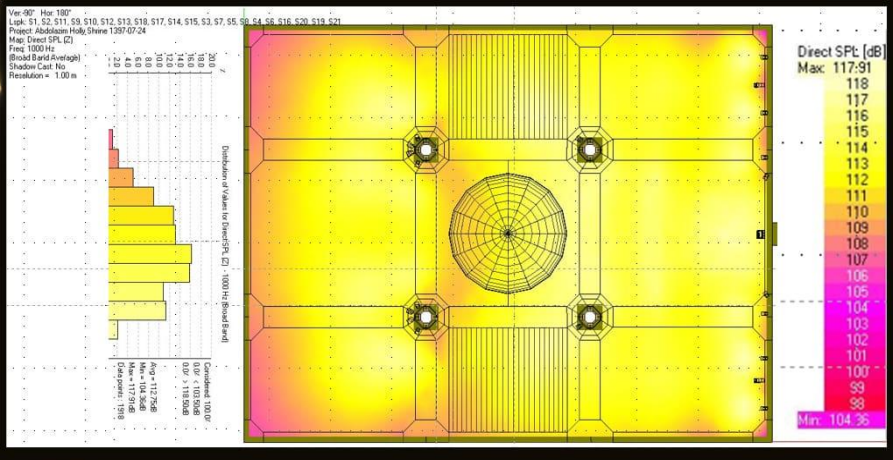
A-IMAM KHOMEINI SHRINE HALL OF SHAH ABDOL-AZIM SHRINE :



CASE STUDY:INTRODUCTION, FEATURES, LIMITATION

-Dimension: 50 x 40 m
-Former Burial Ground
-Underground Voids
-Uncertain Sound Behavior
-Potential Absorption & Reflection
-Acoustic Distortion Risk
-A Large Dome With A Diameter Of 13 Meters
-Height From The Ground To The Top Of The Dome: 8 Meters
-Sound Reverberation Within The Domed Space
-Requirement For a Highly Precise 3D Model Of The Prayer Hall
-Focus On Controlled Sound
-Failure To Design A Distributed Audio With A High Number of Speakers
-The Use Of Steerable Array Technology
-Best Choice For These Constraints At The Time Of Installation

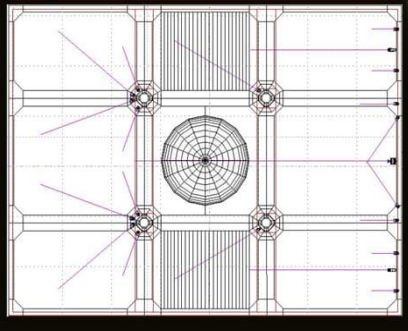




ANALYZE BROADBAND

SIDE VIEW

TOP VIEW





RCF TTL6



RCF HDL10A



RCF HDL6A



RCF ART-310 A-MK4



RCF ART-712 A-MK4



SYMETRIX PRISM 16X16



YAMAHA TF5



SELECTED PROJECTS/DESIGN, ENGINEERING & INSTALLATION TEAM MEMBER:

B-MARYAM SUB-SPECIALTY COSMETIC SURGERY CLINIC :

CASE STUDY:INTRODUCTION, FEATURES, LIMITATION

-Network-Based System For The Entire Complex
-Five Operating Rooms Requiring Distinct Background Music
-The Manager's And Deputy's Offices Require Separate Background Music
-Sound Control Of All Sections By The Complex Manager From Tablet And Iphone
-One parking Level Designated For Events, Featuring Local Controls And A Central Control Room





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SELECTED PROJECTS/DESIGN, ENGINEERING:

C-PLATINUM SHOPPING VILLAGE :
CASE STUDY/INTRODUCTION, FEATURES, LIMITATION:

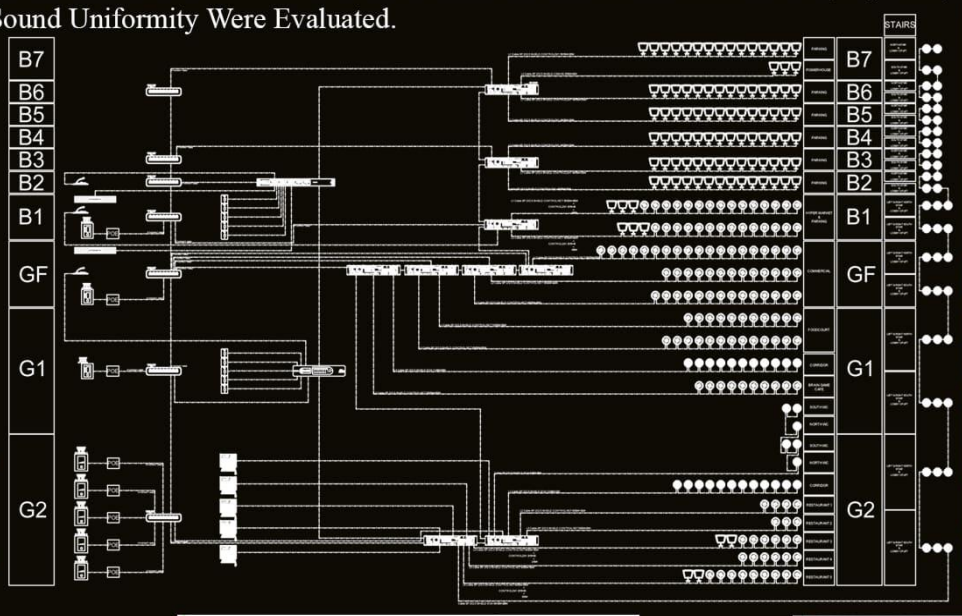
-Mixed-Use Commercial Complex Include Of: Smart Parking, Automotive Services Complex, Hyper Family, Separate Children's Center And Amusement Park, Foodcourt And Bowling Center

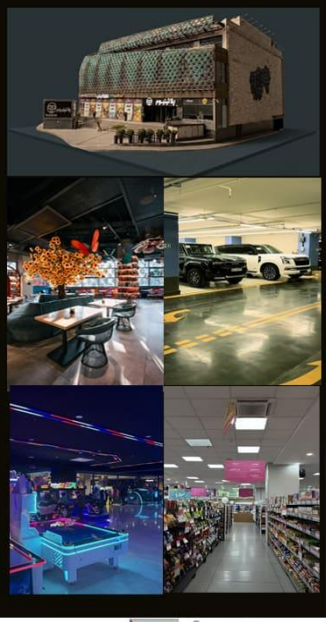
-Two Big Control Center

-Sound Control Of All Sections By The Complex Manager From Tablet And Iphone

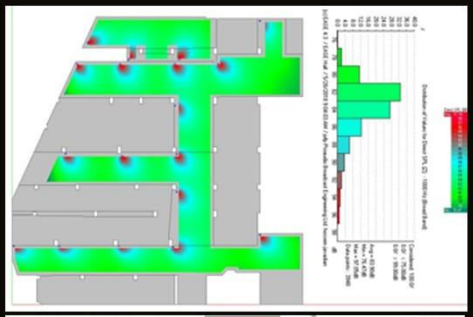
-One parking Level Designated For Events, Featuring Local Controls And A Central Control Room

-All Floors Were Simulated in EASE Software & Sound Pressure Level (dB) Analyses On Different Floors & Sound Uniformity Were Evaluated.

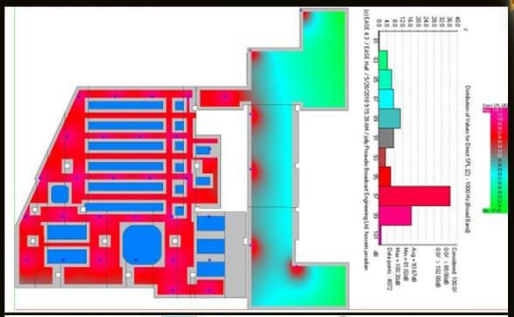




EASE ANALYZE ONE TYPE OF PARKING



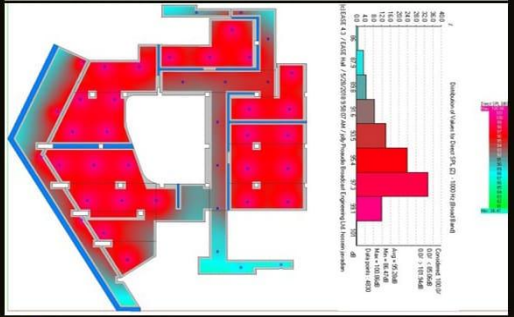
EASE ANALYZE HYPERMARKET



EASE ANALYZE ONE OF COMMERCIAL LEVEL



EASE ANALYZE FOODCOURT





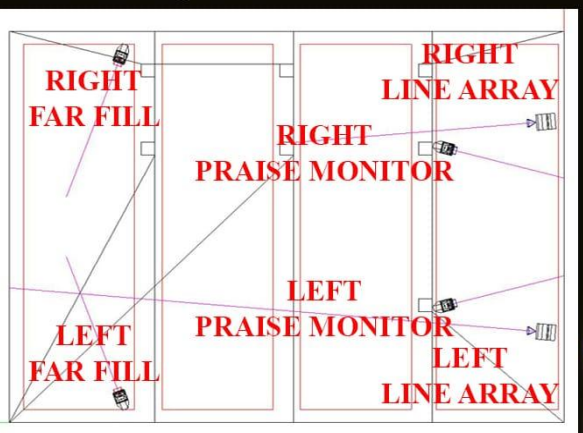
SELECTED PROJECTS/DESIGN, ENGINEERING & INSTALLATION TEAM MEMBER:

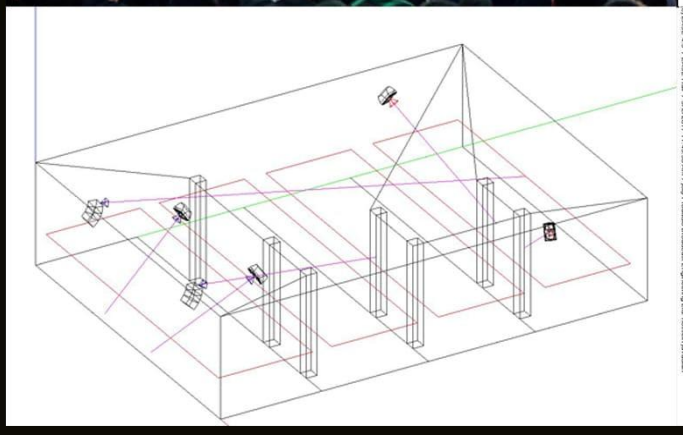
D-THE BIG RELIGIOUS COMMISSION OF MOJ AL HOSSEIN :

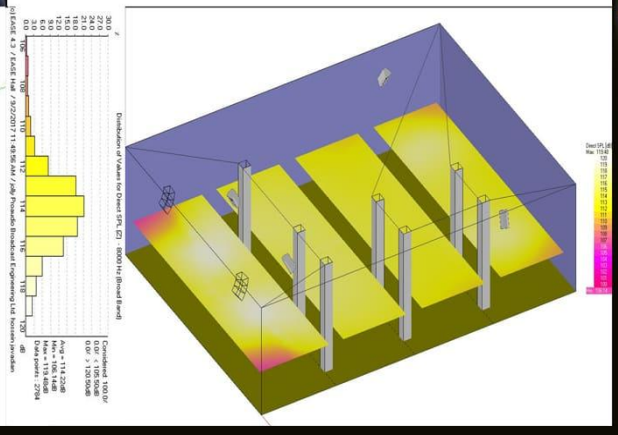
CASE STUDY/INTRODUCTION, FEATURES, LIMITATION:

-A Major Project That Initially Utilizes A Distributed System Comprising Approximately ١٦ Speakers
-Sound Quality And Uniformity Are Poor Due To The Excessive Number Of Speakers
-Improper Speaker Placement
-Poor Visual Appeal
-Using A Pair Of Line Arrays To Reduce The Number Of Distributed Speakers
-Pay Special Attention To The Selection Of Praise Monitors And Their Proper Placement
-Replacing The Old Analog Mixer With A New Digital Mixer
-Using a processor for better sound control
-Rewiring And Using Higher-Quality Cables For Active Speakers And Microphones











JBL VRX932 LAP



JBL VRX932 LAP



DBX PA2



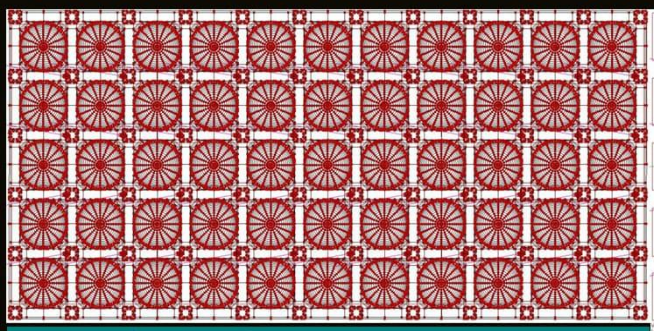
SOUNDCRAFT
SI EXPRESSION 1

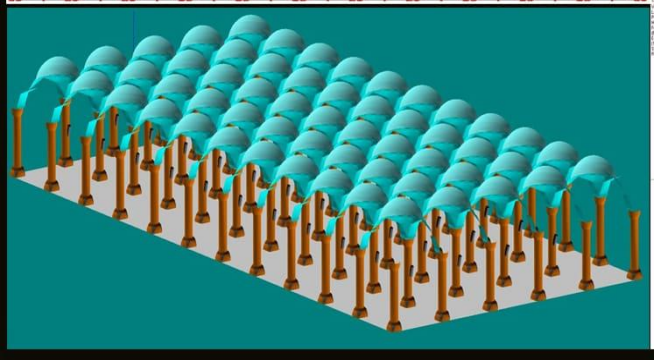
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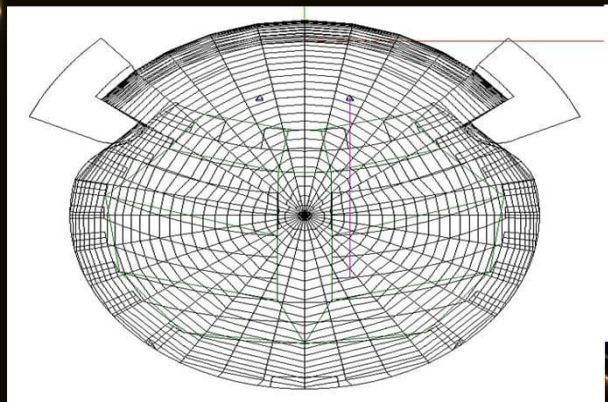
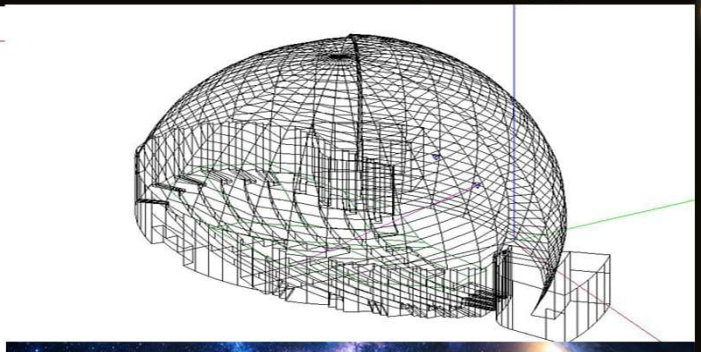
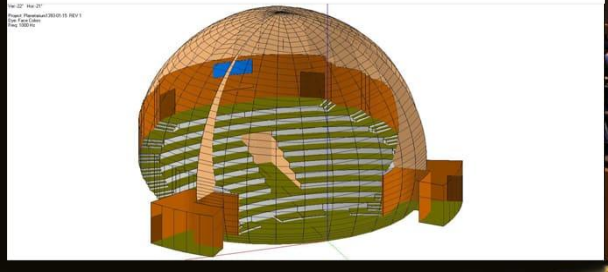
SELECTED INTERNATIONAL PROJECTS , CONCEPT & PRELIMINARY DESIGN

1-THE FATEMI SHABESTAN OF THE SHRINE OF IMAM ALI NAJAF IRAQ :





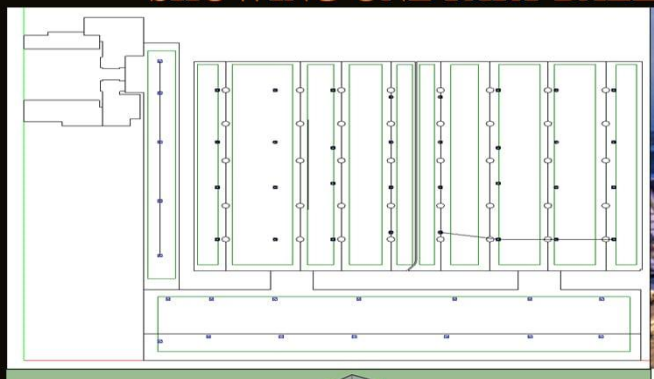

2-AL THURAYA PLANETARIUM – KATARA CULTURAL VILLAGE, DOHA, QATAR :

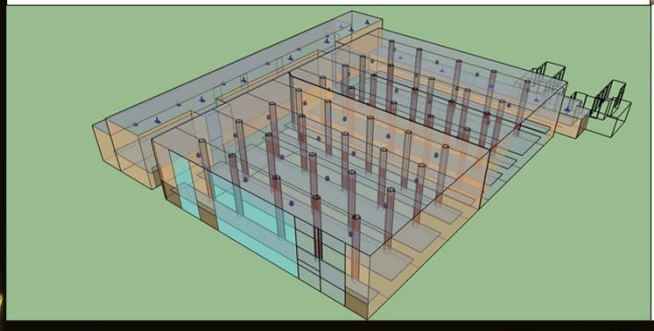


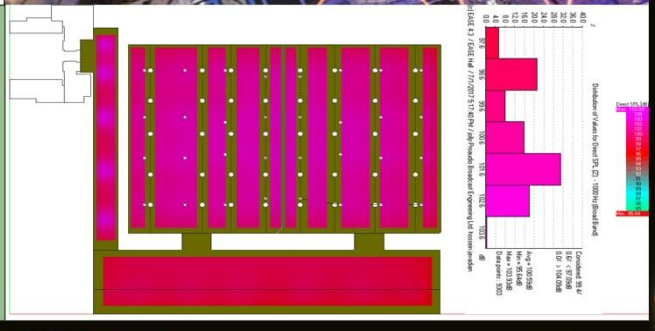

SELECTED INTERNATIONAL PROJECTS , CONCEPT & PRELIMINARY DESIGN

3-PUBLIC ADDRESS OF BLUEWATER RESIDENCE IN DUBAI SHOWING ONE PART BALL ROOM IN GROUND FLOOR:

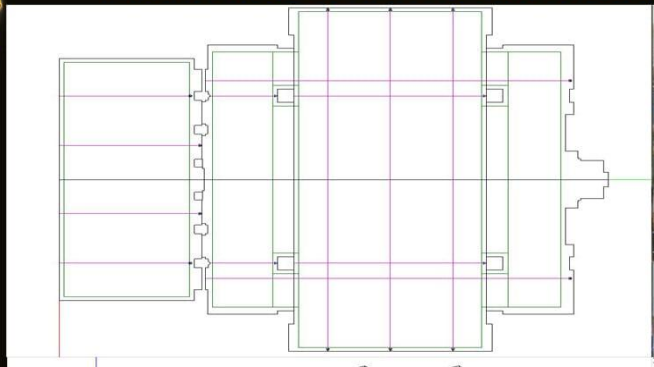




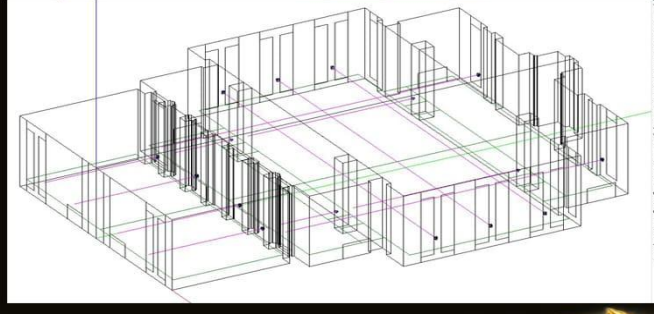


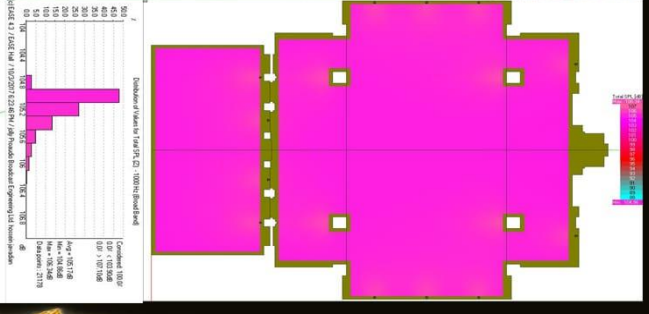


4-ISLAMIC AFFAIRS CHARITABLE ACTIVITIES DEPARTMENT









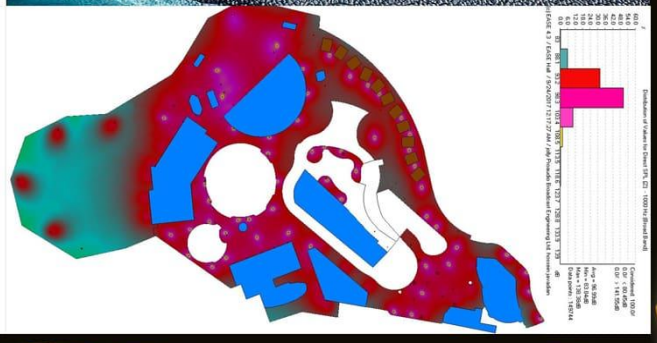
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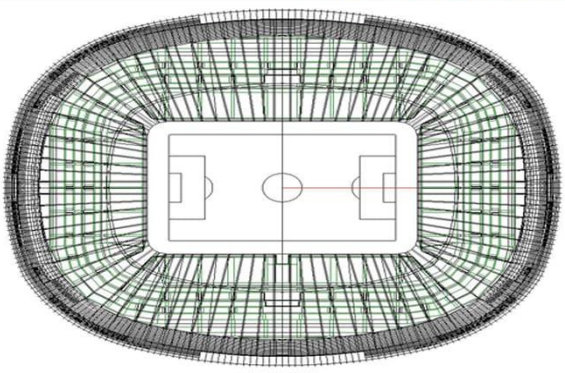
SELECTED INTERNATIONAL PROJECTS , CONCEPT & PRELIMINARY DESIGN

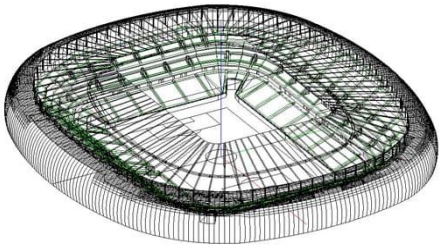
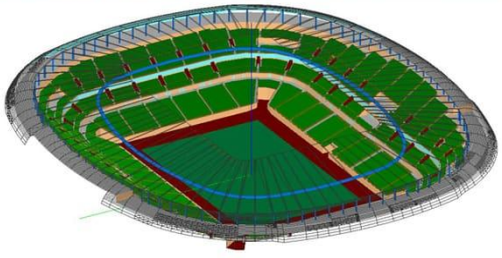
5-LAGUNA WATERPARK IN LA MER DISTRICT IN DUBAI



6-FOUNDATION STADIUM IN QATAR



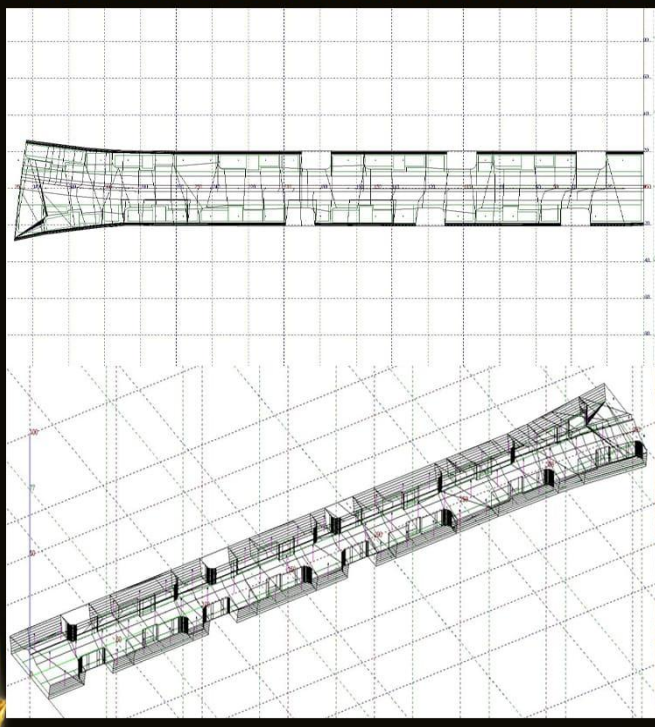



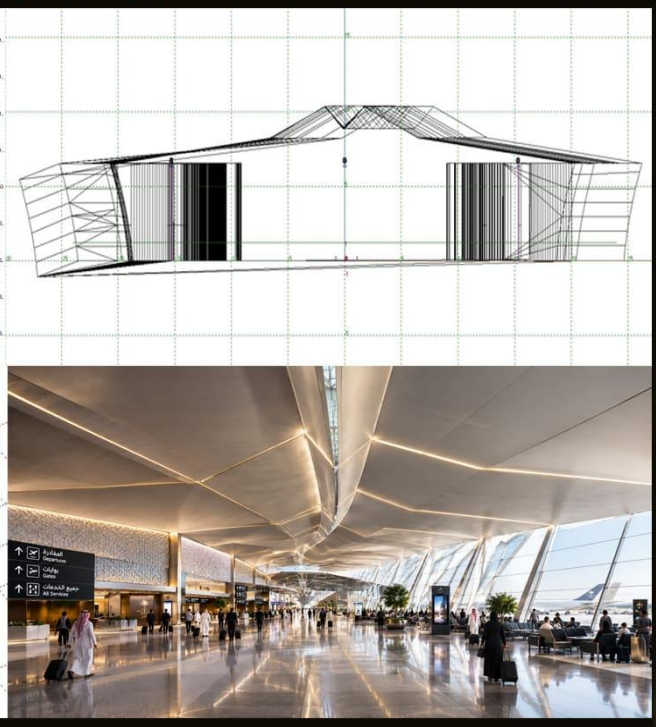
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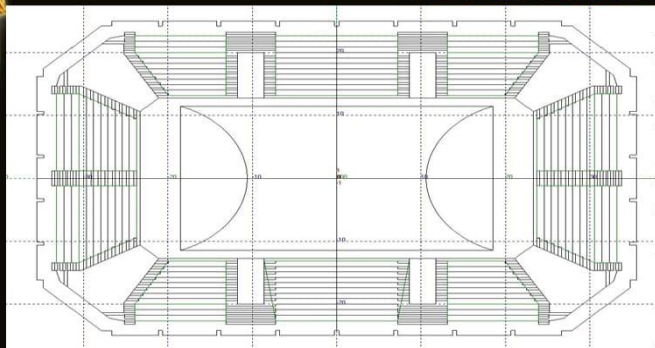
SELECTED INTERNATIONAL PROJECTS , CONCEPT & PRELIMINARY DESIGN

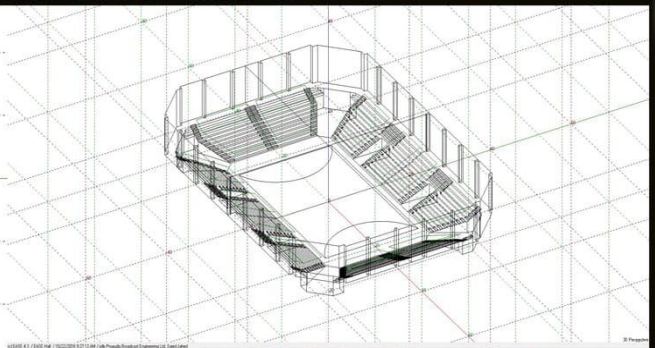
5-KING ABDULLAH INTERNATIONAL AIRPORT IN JADDAH SAUDI ARABIA:

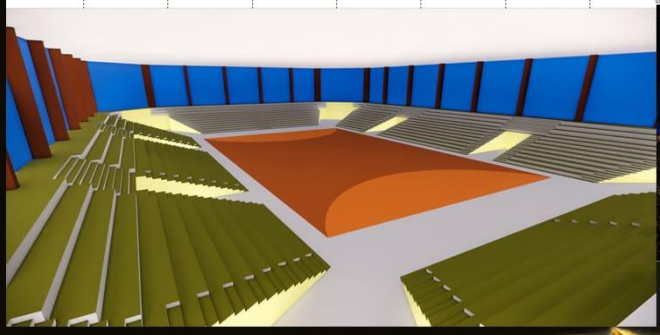


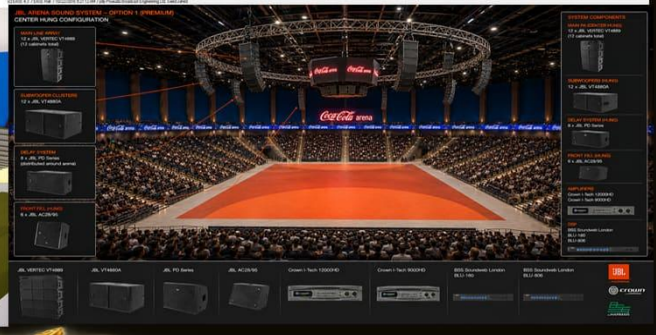


6-COCA COLA ARENA DUBAI:







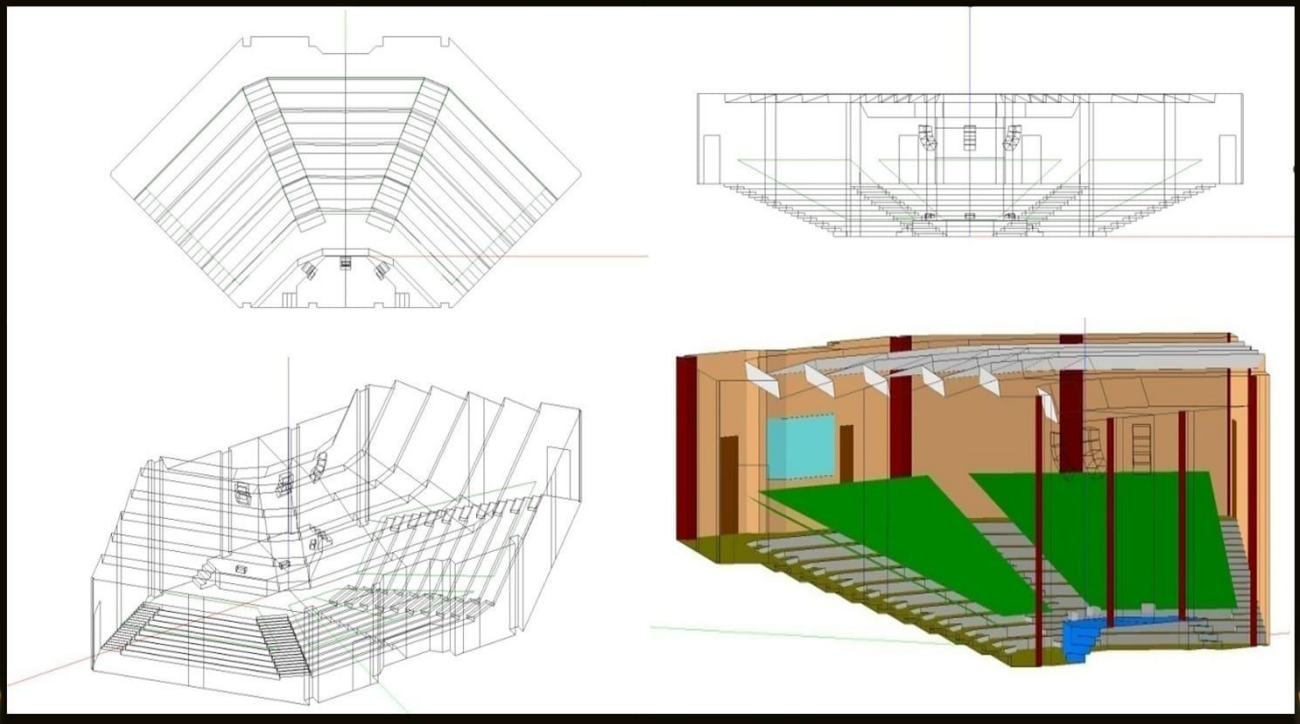


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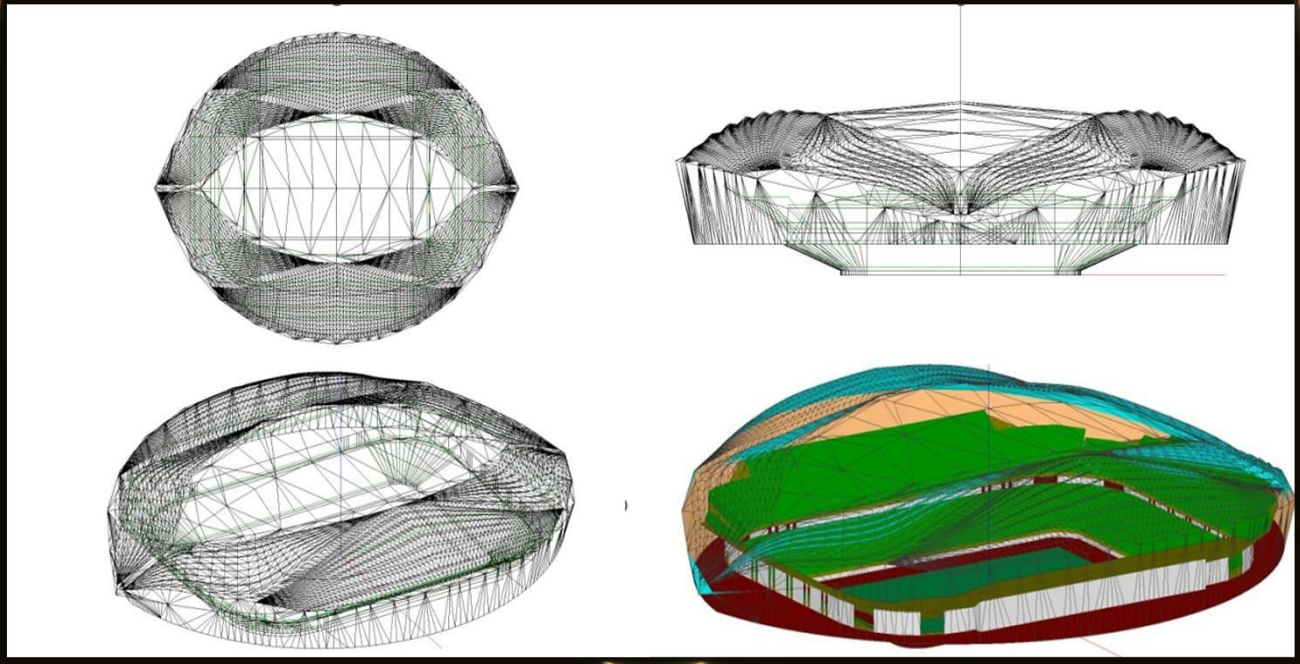
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SELECTED INTERNATIONAL PROJECTS , CONCEPT & PRELIMINARY DESIGN

7-NAJAF AMPHITHEATER IN IRAQ:



8-ALWAKRAH STADIUM IN QATAR:





SOME OF MY SOLUTION

SAMPLE OF A COFFEE SHOP



OUR SOLUTIONS

VIDEO WALL INSTALLATION
Clear & Engaging Display of Menus, Advertising & Entertainment

PENDANT SPEAKER SYSTEM
High-Quality Audio with Uniform Coverage Throughout

WHY CHOOSE US

- Professional & Standard Installation
- Superior Sound Quality
- Reliable Equipment
- After-Sales Support

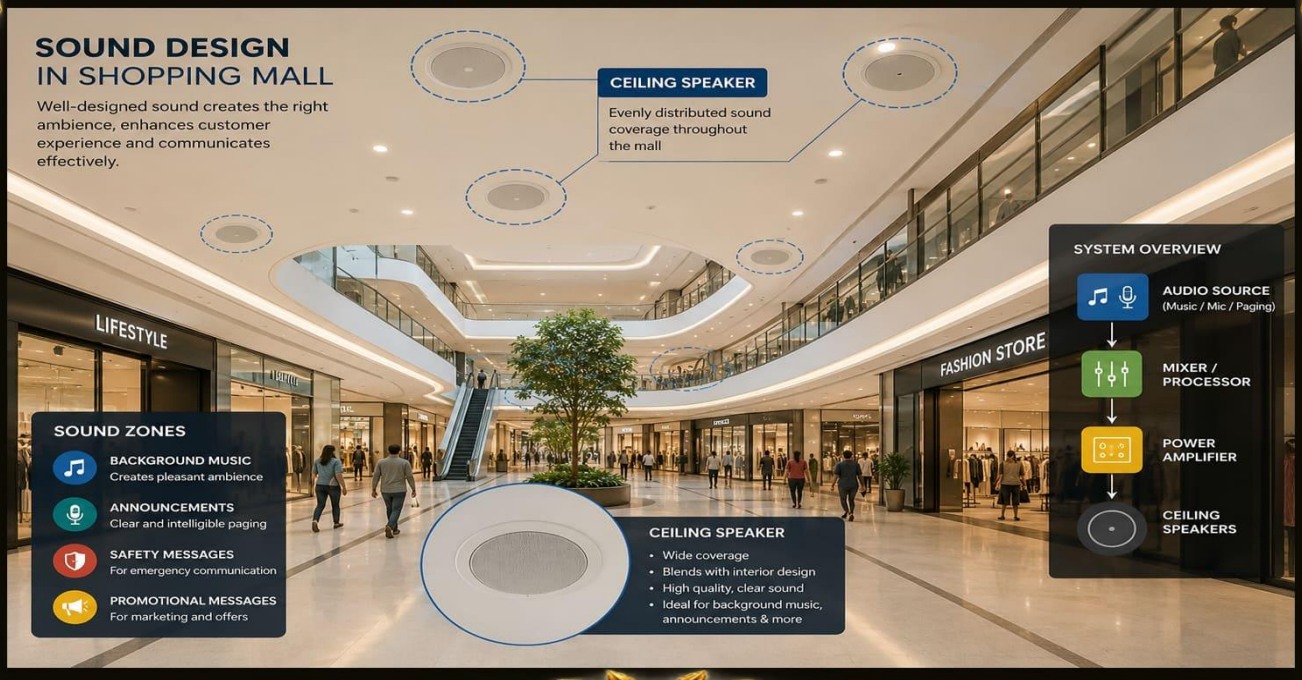
SUITABLE FOR EVERY OCCASION

- Advertising & Events
- Birthday Parties & Special Occasions
- Announcements & Public Information
- Daily Music

WE DESIGN • WE SUPPLY • WE INSTALL • WE SUPPORT
Better Sound • Better Display • Better Experience

STORES & COMMERCIAL CENTERS | RESTAURANTS | CAFÉS

SAMPLE OF SHOPPING MALL

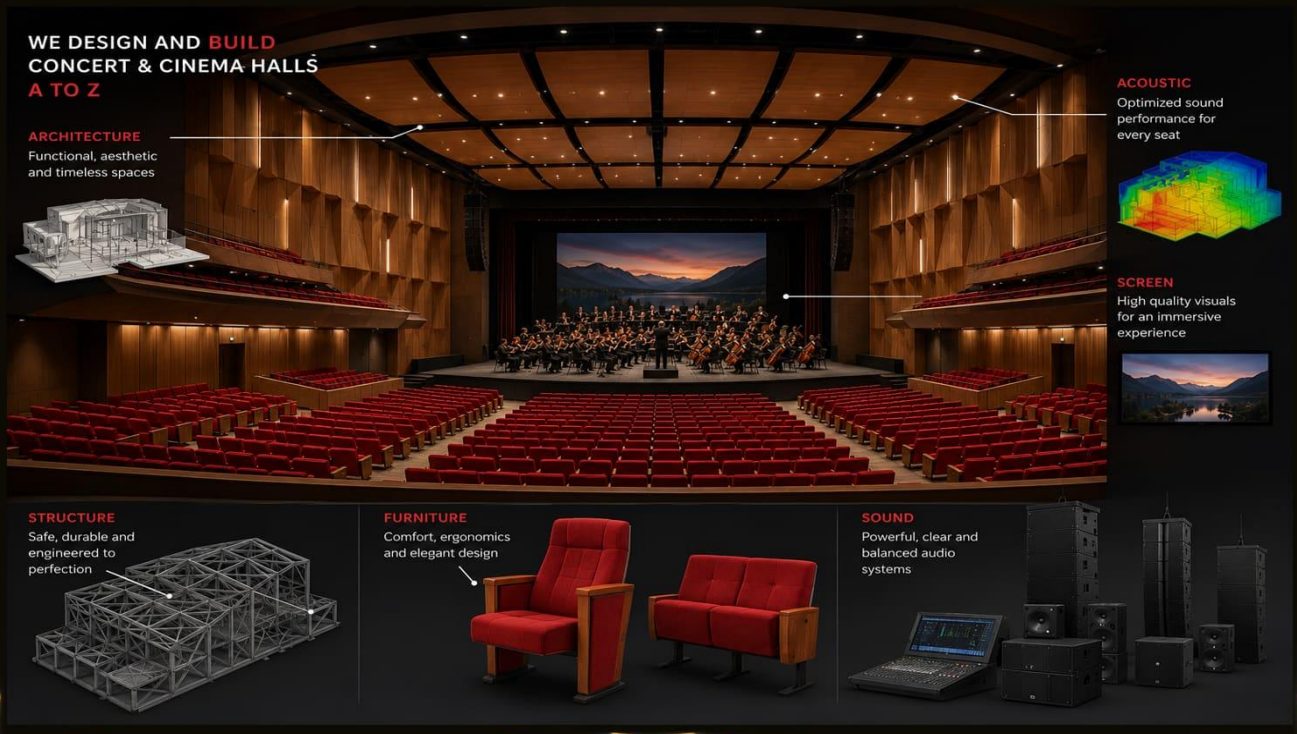


YOUR VISION ENGINEERED IN SOUND

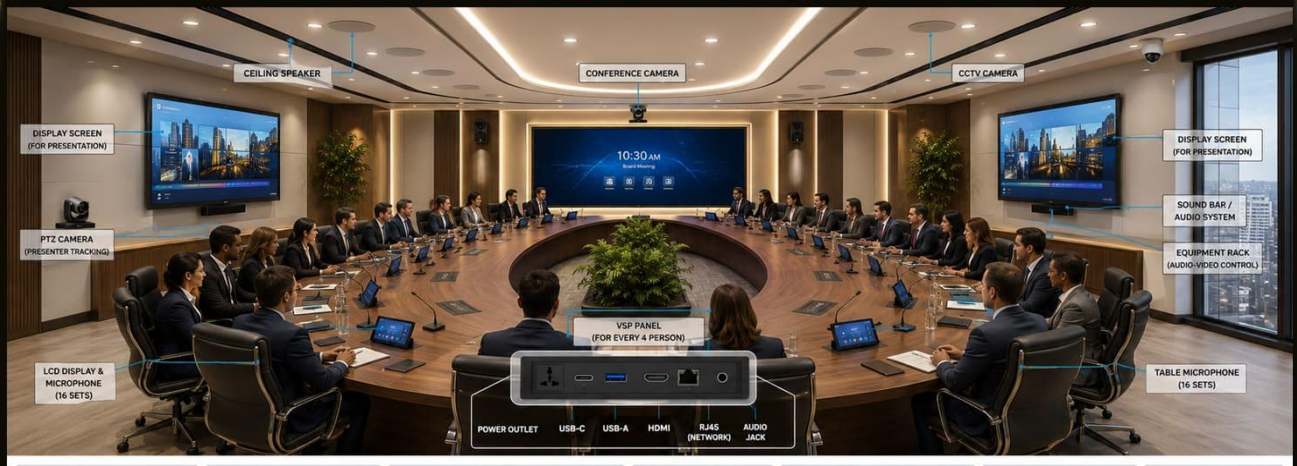
ARCHSOUNDPRO

SOME OF MY SOLUTION

SAMPLE OF A CONCERT HALL



SAMPLE OF A SMALL CONFERENCE HALL



AUDIO SYSTEM	DISPLAY & VIDEO	CONFERENCING SYSTEM	CONTROL SYSTEM	NETWORK & CONNECTIVITY	POWER & ELECTRICAL	SECURITY SYSTEM
DIGITAL MIXER	LED DISPLAY (3 UNIT)	CONFERENCE CAMERA	TOUCH PANEL CONTROLLER	NETWORK SWITCH	PDU (POWER DISTRIBUTION UNIT)	CCTV CAMERA
WIRELESS MICROPHONE	PTZ CAMERA	SPEAKERPHONE / AUDIO PROCESSOR	ROOM CONTROL UNIT	WI-FI ACCESS POINT	UPS (BACKUP POWER)	DVR / NVR (RECORDING)
AMPLIFIER	HDMI SWITCHER	VIDEO CONFERENCING SYSTEM		LAN WALL SOCKET		

Note:

1. 16 Conference Microphone with LCD (1 per person)
2. VSP Panel for every 4 people (Total 4 Panels for 16 People)
3. Ceiling Speakers for uniform audio coverage
4. Conference Camera for video conferencing
5. PTZ Camera for presenter tracking
6. CCTV Camera for security
7. Dual Display Screens for presentation and collaboration
8. Central Control System for managing all AV and room functions

VSP PANEL INCLUDES: Electrical Outlet · USB-C · USB-A · HDMI · RJ45 (Network) · Audio Jack

YOUR VISION
ENGINEERED IN SOUND

ARCHSOUNDPRO

SOME OF MY SOLUTION

SAMPLE OF A RESTAURANT

TRADITIONAL IRANIAN RESTAURANT

FIRE ALARM SYSTEM & TV WALL DESIGN

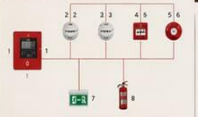
FIRE ALARM SYSTEM

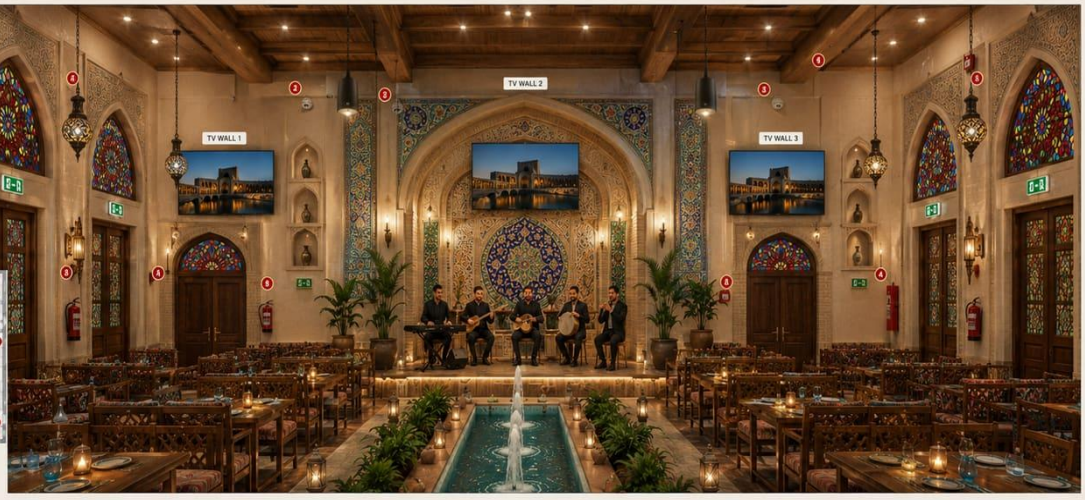
1. FIRE ALARM CONTROL PANEL
2. SMOKE DETECTOR
3. HEAT DETECTOR
4. MANUAL CALL POINT
5. SOUNDER & STROBE
6. FIRE ALARM BELL
7. EMERGENCY LIGHT
8. FIRE EXTINGUISHER

EQUIPMENT LOCATION PLAN



SYSTEM DIAGRAM





IRANIAN ARCHITECTURAL ELEMENTS



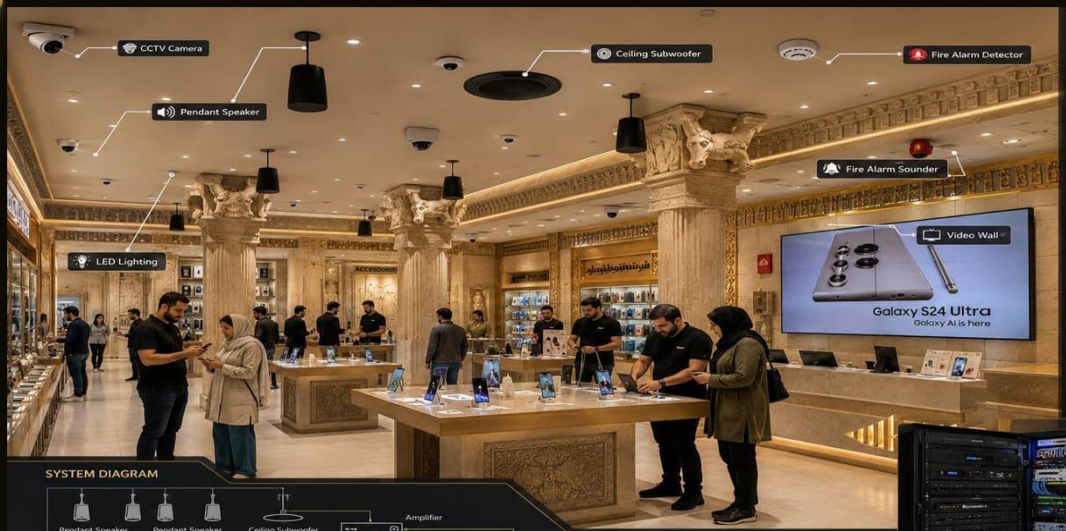
KHAJAR STAINED GLASS | BRICK & PLASTER ARCHES | KASHI TILE WORK | MUQARNAS (ORNAMENT) | WOODEN LATTICE (PANJ O PAREH)

AUDIO & VISUAL EQUIPMENT



PENDANT SPEAKER | TV DISPLAY | STAGE | MIXING CONSOLE | WIRELESS MICROPHONE

SAMPLE OF A SMALL STORE



SYSTEMS USED

- **Pendant Speaker** — Professional Ceiling Speaker
- **Ceiling Subwoofer** — High Performance Subwoofer
- **Video Wall** — Samsung 55" UHD Displays
- **CCTV Camera** — 4K HD Security Camera
- **Fire Alarm Detector** — Smoke & Heat Detector
- **Fire Alarm Sounder** — Wall Mount Sounder & Strobe
- **Network Rack** — Audio, Video, Network & Fire Alarm System
- **LED Lighting** — Energy Efficient LED Lights

SYSTEM DIAGRAM





سیستم صوت حرفه ای Professional Sound System | ویدیو وال Video Wall Display | سیستم نظارت تصویری CCTV Surveillance | سیستم اعلام حریق Fire Alarm System | نورپردازی LED LED Lighting

Network & AV Rack

- Audio Amplifier
- Subwoofer Amplifier
- DSP Processor
- Network Switch
- CCTV NVR
- Fire Alarm Panel
- Power Management

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SOME OF MY SOLUTION

SAMPLE OF A OUTDOOR STADIUM



SAMPLE OF A AIRPORT





SOME OF BRANDS WERE USED IN PROJECTS

SPEAKERS

ADAMSON		DAS	DAS	ITC	itc	QSC	QSC
A PART	A PART	DB TECHNOLOGY	dB TECHNOLOGIES	JBL PROFESSIONAL	JBL	RCF	RCF
AUDAC	AUDAC	DOLBY	DOLBY	KLIPSH	Klipsch	RENKUS-HEINZ	RENKUS-HEINZ
BARCO	BARCO	DYNACORD	DYNACORD	L-ACOUSTIC	L-ACOUSTICS	TANNOY	TANNOY
BOSE	BOSE	EAW	EAW EASTERN ACOUSTIC WORKS	NEXO	NEXO	TOA	TOA
COMMUNITY	Community	ELECTRO-VOICE	EV	INTER M	InterM	TURBOSOUND	Turbosound
CHRISTIE	CHRISTIE	FBT	FBT	GENELEC	GENELEC	VOID ACOUSTIC	VOID ACOUSTICS



SOME OF BRANDS WERE USED IN PROJECTS

AMPLIFIER

CROWN	crown	EAW	EAW EASTERN ACOUSTIC WORKS	HUAIN	HUAIN	JBL COMMERCIAL	JBL COMMERCIAL
LABGRUPPEN	LAB.GRUPPEN	MC2	MC² AUDIO	POWERSOFT	Powersoft	QSC	QSC

MIXER

ALLEN& HEATH	ALLEN&HEATH	DIGICO	DiGiCo	DYNACORD	DYNACORD	HUAIN	HUAIN
MIDAS	MIDAS	SOUNDCRFT	Soundcraft	STUDER	STUDER	YAMAHA	YAMAHA

PROCESSOR

BSS	BSS	KLARK-TECHNIK	KLARKTEKNIK	LAKE	LAKE	SYMETRIX	SYMETRIX



SOME OF BRANDS WERE USED IN PROJECTS

MICROPHONE& CONFERENCE SYSTEM

AKG	AKG	AUDIO-TECHNICA	audio-technica	BOSCH	BOSCH	HUAIN	HUAIN
JTS	JTS	SENNHEISER	SENNHEISER	SHURE	SHURE	TELEVIC	televic

PLAYER & RECORDER, LED, TV WALL

BLACKMAGIC	Blackmagicdesign	DENON	DENON	HIKVISION	HIKVISION	NOVASTAR	NOVASTAR
SANDSLED	SANDSLED	SONY	SONY	TASCAM	TASCAM	TELYCAM	Telycam

LIGHTING

ADJ	ADJ	DTS	dts	MARTIN	Martin	PHILIPS	PHILIPS

It must be noted:

_There are certainly other reputable and renowned brands with impressive capabilities that were not included in the list solely due to project constraints, client requirements, or market availability.

_This fact‹along with the sheer number of brands involved‹demonstrates that there has been, and will continue to be, no bias toward any specific brand. The primary objective is to provide the client with comprehensive consultation, design, presentations, and support, ensuring they can make their final selection with complete confidence.



SKILLS DETAILS

ACOUSTICS & AUDIO

01 — ELECTROACOUSTIC DESIGN
02 — INITIAL CONSULTANT OF ACOUSTIC
03 — SOUND SYSTEM DESIGN
04 — LOUDSPEAKER SYSTEM DESIGN
05 — SOUND COVERAGE OPTIMIZATION
06 — SPL ANALYSIS
07 — STI & SPEECH INTELLIGIBILITY

SYSTEMS & TECHNOLOGY

08 — DSP SYSTEM DESIGN
09 — NETWORK AUDIO SYSTEM
10 — AV SYSTEM INTEGRATION
11 — CONFERENCE SYSTEM
12 — PAGING & BGM SYSTEMS
13 — DISTRIBUTED AUDIO SYSTEM
14 — SYSTEM ZONING & ROUTING
15 — CENTRALIZED SYSTEM CONTROL

ENGINEERING & CONSULTING

16 — HARD WORKER IN TECHNICAL SYSTEM ARCHITECTURE
17 — EQUIPMENT SELECTION & SPECIFICATION
18 — TECHNICAL DRAWING & DOCUMENTATION
19 — EXPERIENCED 3D VISUALIZATION
20 — PROJECT ANALYSIS & CONSULTING
21 — TECHNICAL PRESENTATION
22 — CONCEPT & PRELIMINARY DESIGN

SPECIAL SKILL: WEBSITE DESIGN/ SAMPLE: BARADPRO.COM