

MAPLE CONSULTANTS

INNOVATIVE DESIGN AND CONSULTING FIRM
NEW DELHI

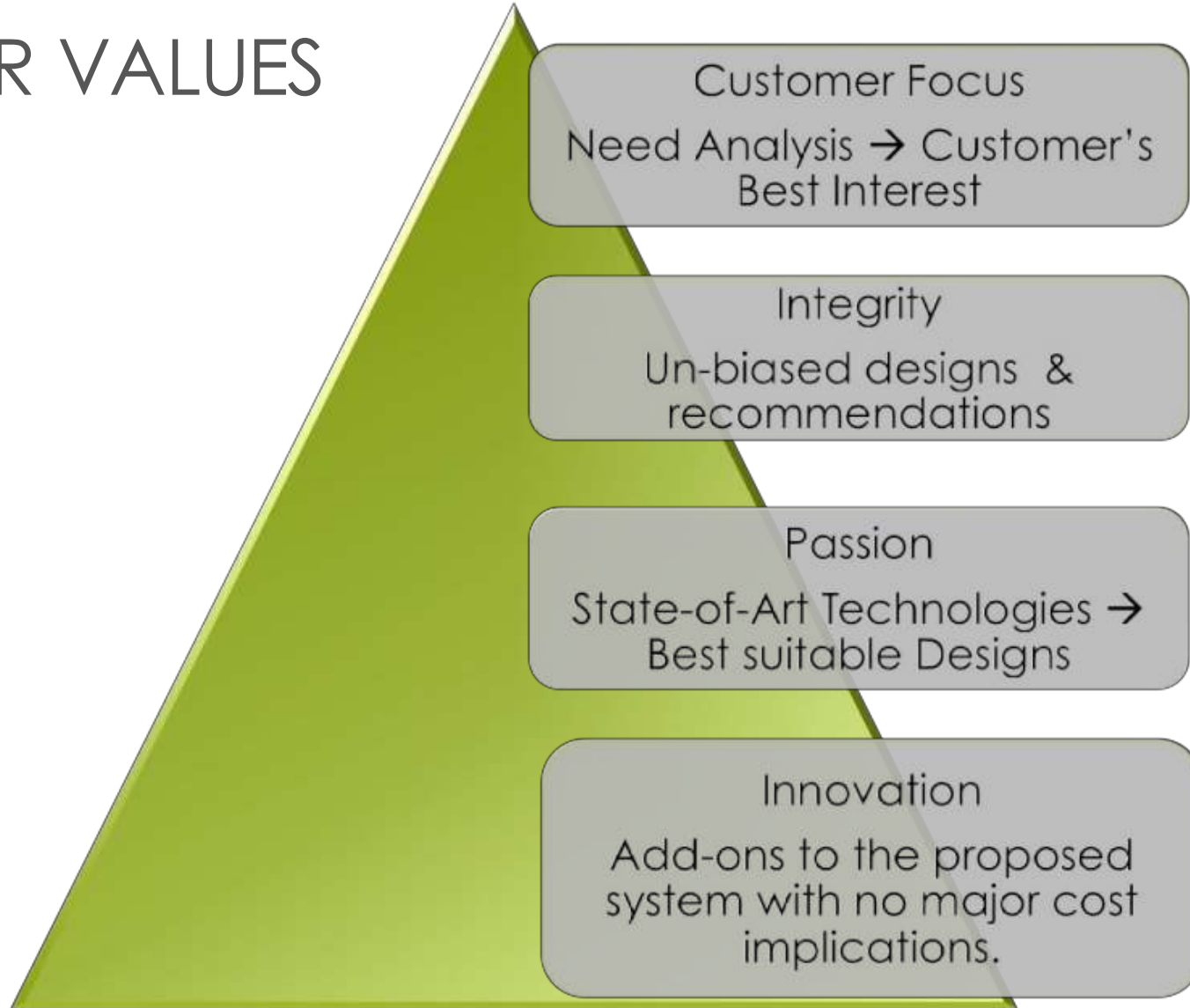


Technology Consultants

Audio-Visual, Acoustics, Information Technology, Electronic Security,
Lighting and Building Management System



OUR VALUES



Why Choose Us ?

Our Philosophy

Maple Consultants is a company with a proven record for innovative and advanced technology consultancy. Our style allows personal attention to all projects, with detailed, involved, and intimate interaction by executive leadership. The company's goal is to create quality, innovative, sustainable designs that deliver exceptional results.

Ethics & Compliance

- Maple Consultants takes pride in how our team conducts themselves with integrity, while delivering excellence to our clients. We, through our people, values and policies – have made it a priority to help ensure that we have an ethical culture where everyone embraces a sense of personal responsibility for doing the right thing in the right way.

SERVICES

Video

Video image quality has made significant advances in just the past five years, only slightly faster than consumer's expectations. Maple consultants is at the forefront of video system design. Be it large scale image magnification for a theatre, house of worship or concert venue, or detailed presentation video for a conference room, educational facility or command and control center, our engineers have the skills and knowledge to deliver our client's goals and needs.





We provide design and consultancy for various video applications including the following:

- ✦ Large scale video projection systems for image magnification in theatres, houses of worship, and concert venues
- ✦ Videoconferencing and tele-presence systems for corporate and educational venues
- ✦ Reactive and interactive video walls
- ✦ Interior and exterior LED video walls
- ✦ 3-D projection mapping onto building facades
- ✦ Video production and post production in resolutions up to Ultra HD
- ✦ Digital signage and digital way finding

Audio

We design audio systems for all types of spaces: Theatrical, Corporate, And Educational Environments.

- Sound reinforcement
- Distributed Audio
- Networked Digital Audio
- Production Intercom
- Recording and Production

We design our performance audio systems utilizing advanced computer modeling such as EASE to deliver the highest degree of design accuracy which—when coupled with our engineering team's many years of real world experience our designs offer a high degree of accuracy and system performance predictability.

SCOPE OF WORK

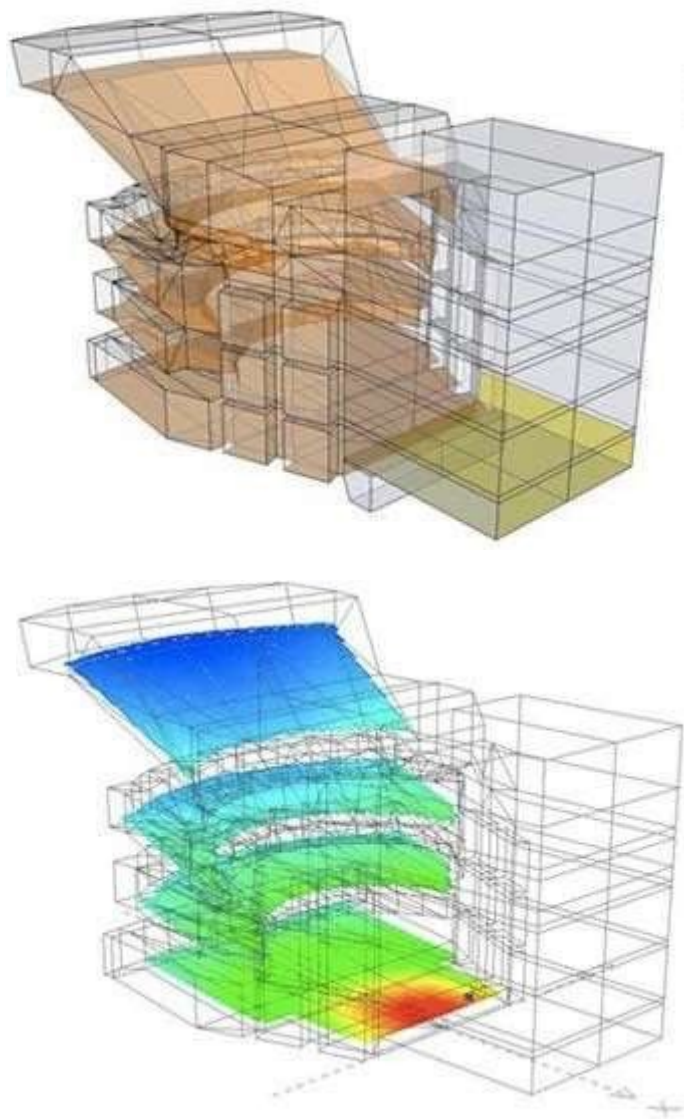


- ✦ Preliminary discussions and site visits with client.
- ✦ Understanding the functional requirements.
- ✦ Presenting the design in the form of Design Basis Report (DBR) to the client and updating him about the proposed technologies and their advantages.
- ✦ Designing the system and preparing the AV schematics and other relevant drawings.
- ✦ Final review & submission of designs & BOQ.
- ✦ Detailed drawings
- ✦ Finalization of contractor after reviewing the technical submittals.
- ✦ Supervision and quality checks.
- ✦ Handing over the system to client.
- ✦ Final Sign off

Acoustics

Good acoustics are essential for all types of performance venues. Whether the medium is music, singing, the spoken word or a combination of all three, the acoustic quality of your facility will impact the experience for both your audience and performers. We work with the design team to create spaces that sound as good as they look.

- ▣ Room acoustics, with analysis and recommendations of all reflective and absorptive surfaces
 - ▣ Building acoustics, particularly the impact of mechanical and plumbing systems
 - ▣ Noise and vibration control
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SCOPE OF WORK

- ❑ To provide acoustical design criteria, for all areas of concern.
- ❑ To limit the noise pollution from external sources and from activities within the building.
- ❑ Insulation of Airborne sound between the spaces.
- ❑ Acoustical Partition wall / Door / Window design to achieve desired STC
- ❑ Insulation of impact sound from the floor and roof.
- ❑ Insulation of internal and external ground vibrations from reaching the building structure
- ❑ Façade / Window design to isolate external noise and maintain desired ambient noise level inside all areas of concern as per standards.
- ❑ Guidelines for all critical mechanical equipment and same shall be incorporated in the M& E specifications documents or the interior specification document.

Lighting

Complete lighting systems to meet the demands of today's performing art, house of worship and entertainment facilities. Maple Consultants work with the architect and engineering team providing detailed drawings and specifications to illustrate the integration of lighting positions, power requirements, control system infrastructure and specifications.

- The design and specifications we provide include dimming and control systems but also lighting fixture inventories, and for certain projects we can establish lighting scenes for events onstage.
- ✓ Architectural Lighting
- ✓ Leisure and Entertainment Lighting
- ✓ Landscape Lighting
- ✓ Façade Lighting
- ✓ BOH
- ✓ Emergency Lighting

Rendered Site Plan (Night View)



Rendered 3D Perspective

ITPO (Pragati Maidan) – Delhi



Immersive Technology

VISUAL

- LARGE SCREEN DISPLAYS
- VIRTUAL REALITY
- AUGMENTED REALITY
- HOLOGRAM
- PROJECTION MAPPING
- FULL DOME
- SMART GLASSES

INTERACTIVE

- CUBE/ CAVE
- INTERACTIVE & 3D PROJECTION MAPPING
- SIMULATION/ 4D EXPERIENCE

Son et Lumière

Sound & Light Shows

KHAJURAHO TEMPLES, MADHYA PRADESH

KILA ANANDGARH, ANANDPUR SAHIB, PUNJAB

CHITTORGARH FORT, RAJASTHAN

SOMNATH TEMPLE, GUJARAT

AMBER FORT, JAIPUR

THE RESIDENCY, LUCKNOW

THE CITY PALACE, UDAIPUR

JYOTISAR, KURUKSHETRA

CHANDIGARH MUSEUM

RED FORT, NEW DELHI

CELLULAR JAIL, PORT BLAIR

MAN MANDIR, GWALIOR FORT

CHANDRAGIRI FORT, TIRUPATI

WARRANGAL FORT, ANDHRA PRADESH

JHARKHAND WAR MEMORIAL, RANCHI

MALAVIYA MUSEUM, NEW DELHI

ORCHHA PALACE, MADHYA PRADESH

SARDAR PATEL MUSEUM, AHMEDABAD

NEER MAHAL, AGARTALA

VICEREGAL LODGE, UNIV OF DELHI

Like a time machine, a Son-et-Lumière transports the viewer back in time and is the perfect way to bring alive the history of a place. It can be used in tourism related heritage sites, forts & palaces, museums, educational institutions, heritage hotels, war memorials, etc. Through the use of creative programmable lighting, surround sound, projection & laser effects, musical fountains & water screens, the viewer is entertained and educated.

Our expertise:

- System design & integration of the control room
- Programming & synchronising the lighting & audio
- Creative production, including art direction, lighting design, audio-track, etc.

Son et Lumière



Sardar Vallabhbhai Patel Museum
Ahmedabad

Son et Lumière

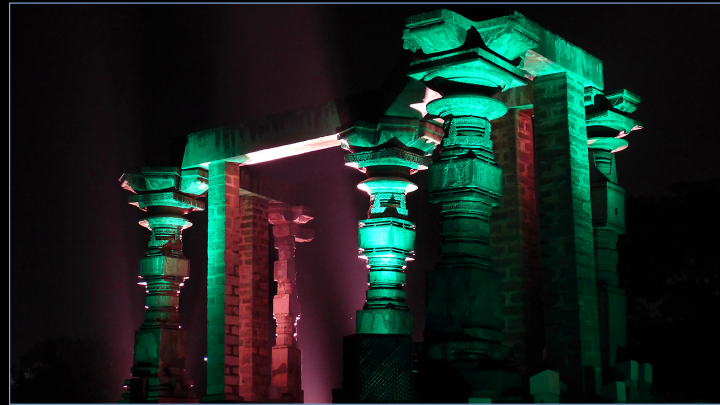


Western Group of Temples, Khajuraho

Son et Lumière



Warangle Fort



Son et Lumière



Jharkhand War Memorial, Ranchi



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HERTIGAE BUILDINGS/MUSEUM PROJECTS

**GOL KOTHI
PUNJAB**

**LION SAFARI, ETAWA
UTTAR PRADESH**

**NATIONAL MARITIME MUSEUM, LOTHAL
GUJRAT**

**QUILA MUBARAK
PUNJAB**

**CHAMKAUR SAHIB MUSEUM
PUNJAB**

**TRADE FACILITATION CENTER & CRAFTS
MUSEUM ,VARANASI
UTTAR PRADESH**

Outdoor Projection Mapping



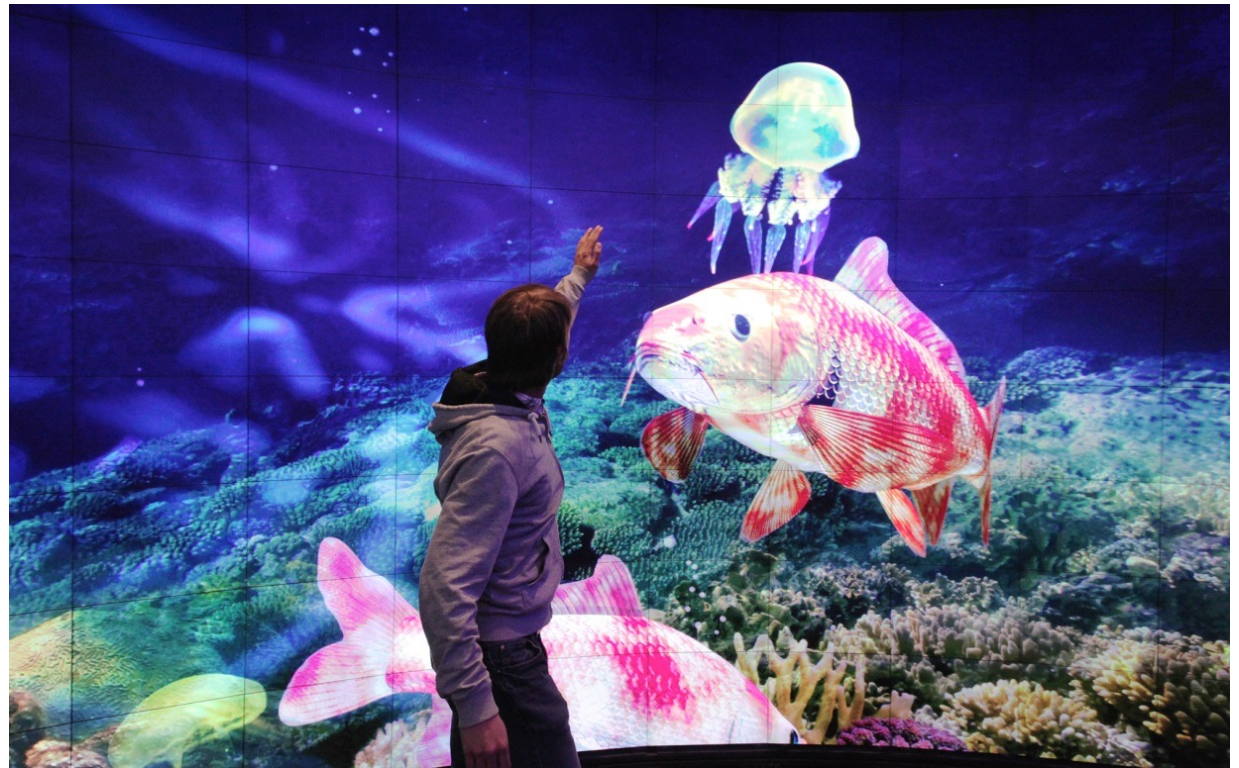
Indoor Projection Mapping



Immersive Projection Mapping



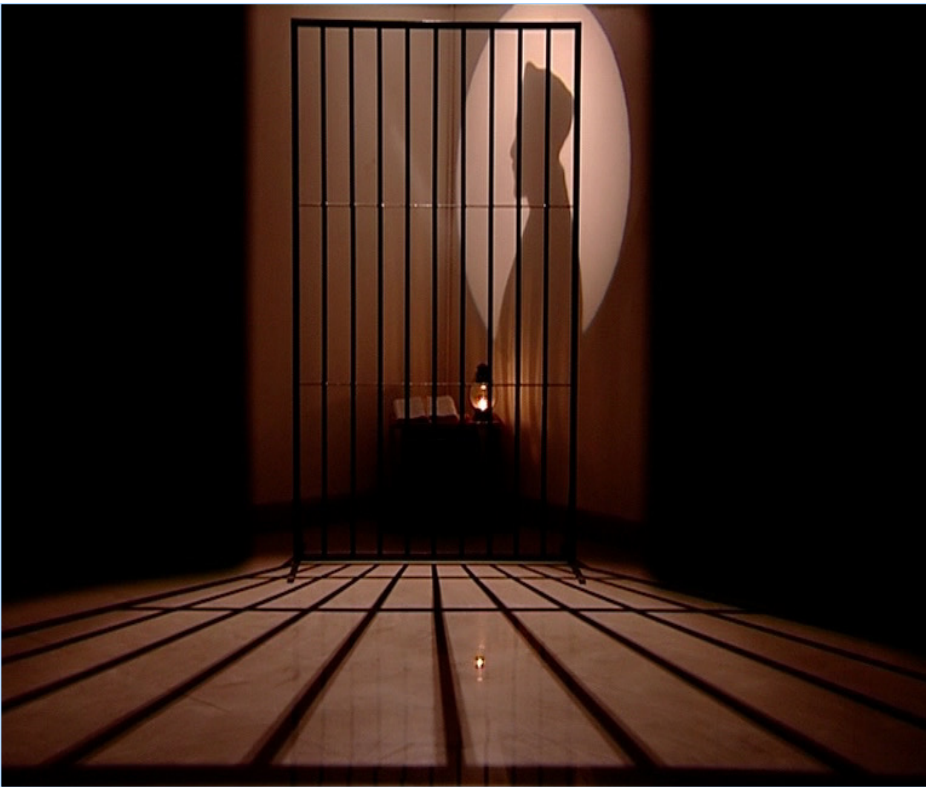
Large Format, Multi user, Interactive Video Walls



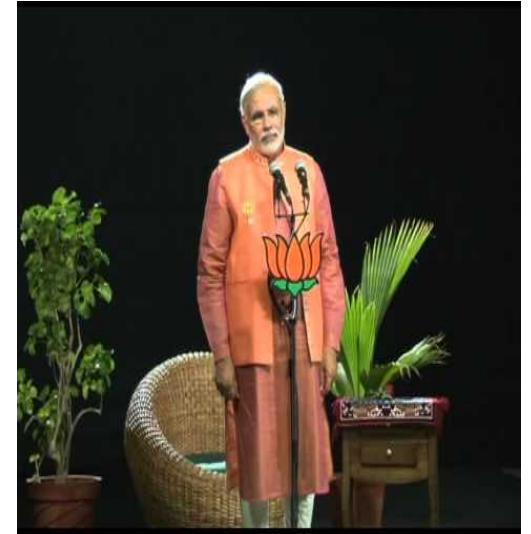
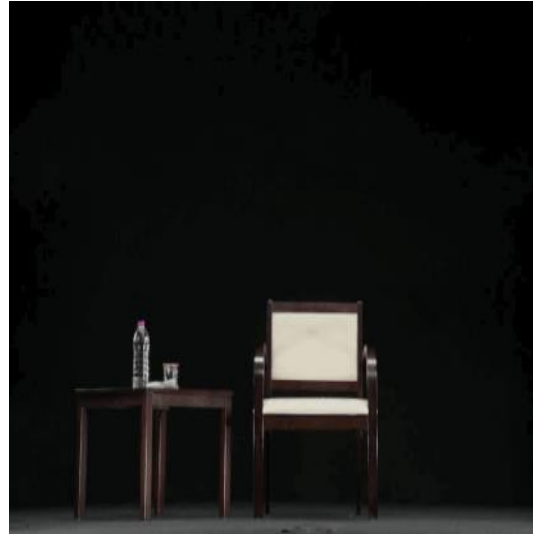
INTERACTIVE TECHNOLOGY MULTI TOUCH DISPLAY



Immersive 360° story telling through programmed lighting effects and multi-screen projection



Holographic Projection



VIRTUAL REALITY



NOISE & VIBRATION SURVEY, MONITORING PROGNOSIS & RECOMMENDATIONS FOR MITIGATION

- Indoor & Outdoor Noise Survey
 - Indoor & Outdoor Vibration Monitoring
 - Prognosis of the noise & vibration survey & monitoring
 - Indoor R_t 60, STI measurement.
 - Equalization & Sound Optimization
 - Recommendations for mitigation of noise & vibration
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Acoustic Signatures

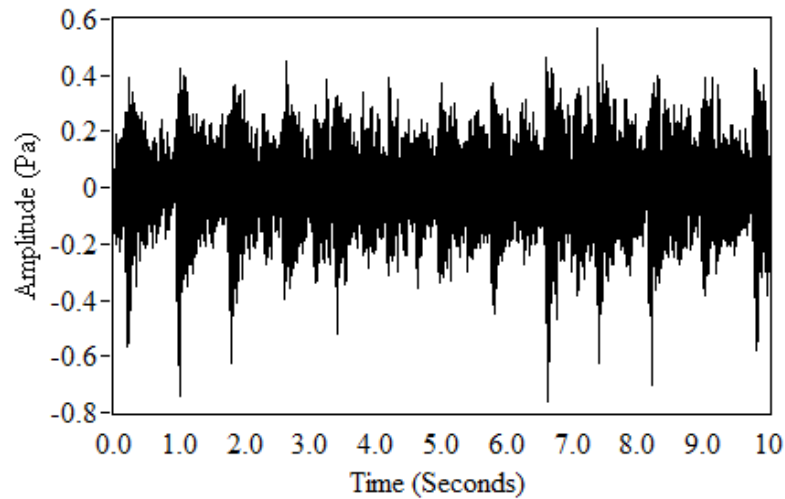


Fig.1.1. Time domain acoustic signal

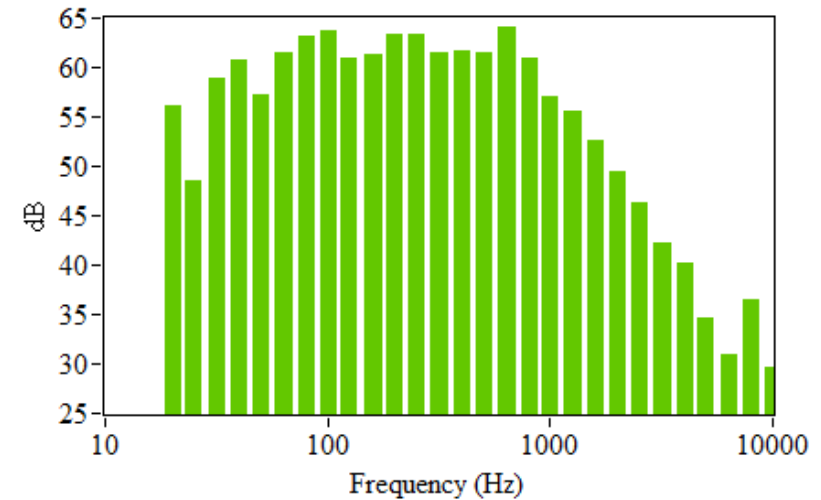


Fig.1.2. 1/3rd Octave band power in dB

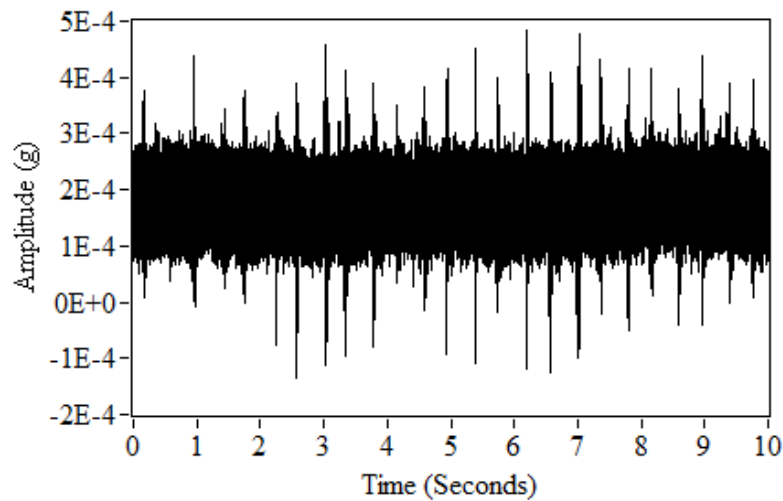


Fig.1.3. Time domain vibration signal

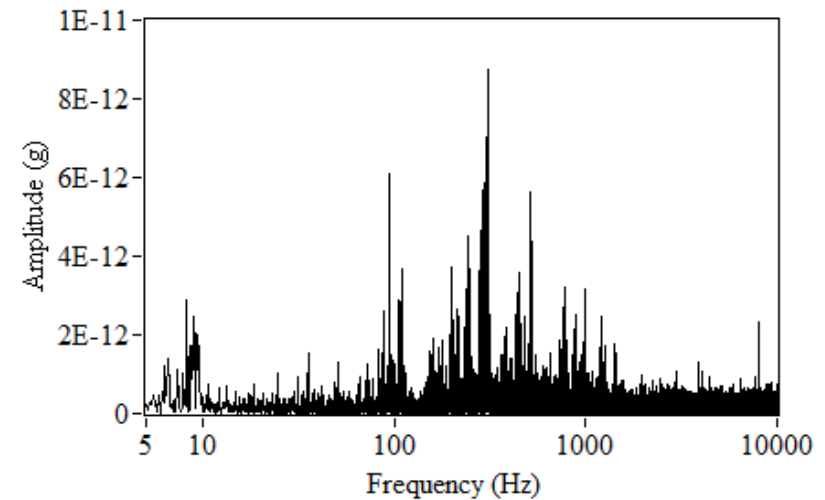
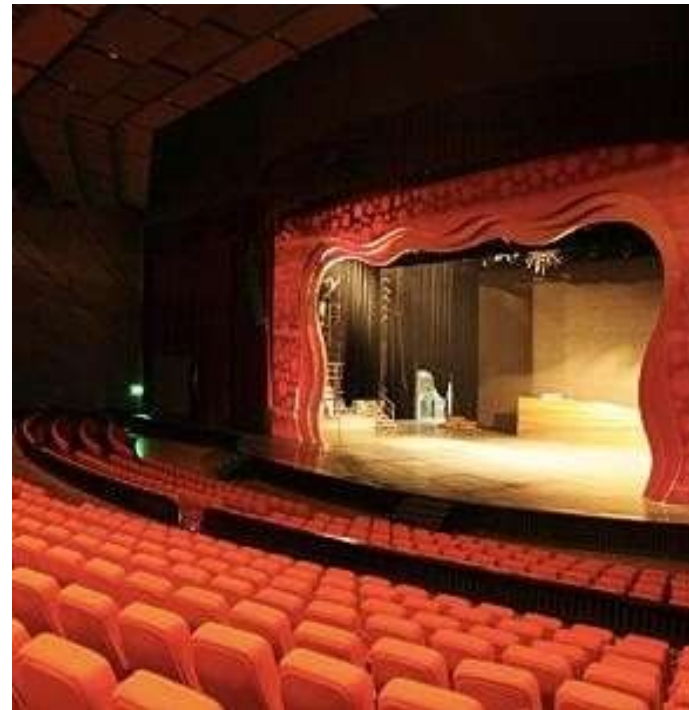


Fig.1.4. Power spectrum

Theatre Consulting

A great theatre is not just good sightlines and comfortable seating -- a great theatre connects the audience and actor, creating a lively exchange of energy. We apply our understanding of this symbiotic interaction to create passionate spaces where theatre comes to life. We can then take an integrated approach toward resolving technical issues like seating and sightlines while maintaining the room's design and intent. As the space evolves, we will give you a three-dimensional visualization of the space using renderings and models, so you have a clear idea of how it will feel and function once completed.



Security & Surveillance

- ❑ Perimeter Surveillance and Protection
- ❑ IP Cameras and Remote Monitoring with Face recognition soft wares
- ❑ Under Vehicle Scanning Solutions
- ❑ Automated Boom Barriers
- ❑ DFMD – Screening Solutions
- ❑ Access Control
- ❑ Control and Command



Information Technology

- ✦ End-to-End IT Solution
- ✦ Structured Cabling
- ✦ Secured Wi-Fi Set-up
- ✦ Modular & Scalable Architecture
- ✦ Active and Storage
- ✦ Passive
- ✦ EPABX/IP & Telephony



Building Management System

- ❑ Computer-based control system installed in buildings that controls and monitors the building's mechanical and electrical equipment
- ❑ Fire Alarm



RECENT AND CURRENT PROJECTS



Sports Academy Cum Cricket Stadium, Bihar

Services-

Acoustics, Audio Visual Systems,
General, Facade & Sports
Lighting, IT, Electronic Security
System, Scoring And Timing
System

Areas-

40,000 Capacity Cricket Stadium
Football Stadium
Cycling Velodrome
4 Outdoor Stadiums
6 Indoor Stadiums
Multipurpose Hall



National Maritime Heritage Complex – Lothal, Gujrat

Services

- Acoustics
- Audio Visual Systems including Projection Mapping
- Content
- Attraction & Adventure rides



Surat Municipal Corporation

- Audio & Visual System, LAN (Wired/Wireless)
- CCTV
- Acoustics
- Access Control
- UPS, EPBAX System
- Control & Command
- Lighting



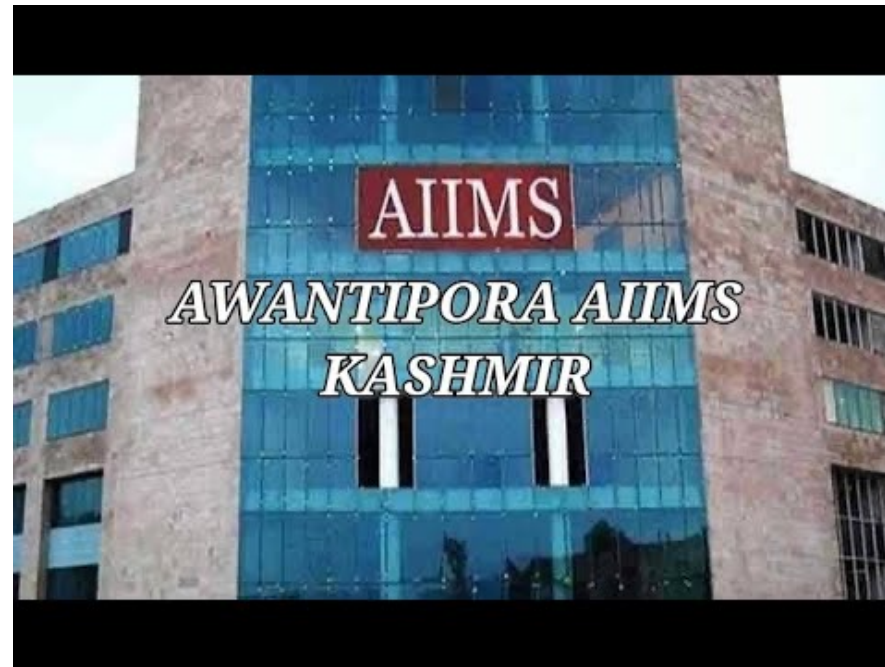
Amrita Institute of Medical Sciences - Faridabad

- Audio & Visual System, LAN (Wired/Wireless)
- Acoustics
- CCTV
- Stage Craft
- Stage Lighting
- Automation



Chindwara Institute of Medical Sciences

- ▪ Audio & Visual System, LAN (Wired/Wireless)
- CCTV
- Acoustics
- Access Control
- UPS, EPBAX System
- Control & Command
- Lighting



AIIMS Awantipora, Kashmir

- Audio & Visual System
- Acoustics



Shiv Nadar University, Faridabad & Greater Noida

- ▪ Audio & Visual System, LAN (Wired/Wireless)
 - Acosutics
- CCTV
- Stage Craft
- Stage Lighting
- Automation



TATA Institute of Fundamental Research, Hyderabad

- Audio & Visual System
- LAN & Network(Wired/Wireless)
- CCTV
- Access Control
- Acoustics & Sound Design
- Cable TV Network
- Speciality Sports Lighting
- General & Façade Lighting
- WIMAX Worldwide Interoperability for microwave access or alternate state of the art system
- PA SYSTEM



Sports Complex at Nirma University, Ahemdabad

- Audio & Visual
- Acoustics
- General Lighting
- Sports Lighting
- IT Active, Wifi and EPABX
- IT Passive



Regional Science Center Musuem - Vadodara

- Audio & Visual System Galleries & Non Galleries
- Acoustics
- General Lighting
- Façade and Artifacts Lighting
- CCTV
- IT Active, Wifi and EPABX
- IT Passive



Research Park for IIT Kharagpur at New Town, Kolkata

Services for Auditorium -

- Acoustics
- Audio Visual Systems (Stage lighting, Stage Furnishing & General lighting)

Services for basement, ground + 9 storied Building -

- Audio & Visual System, LAN (Wired/Wireless)
- CCTV
- Access Control
- UPS, EPBAX System
- Building Management System
- Solar Water Heater System, Solar PV etc.



Lucknow Assembly

Services-

- Acoustics
- Audio Visual Systems (Stage lighting, Stage Furnishing, General lighting, Digital Signage & Video wall)
- Lighting (Internal & External)
- Bollards, Boom Barriers, Flap barriers, etc. system
- ICT System (LAN Passive, CCTV, ACS, LAN Active, IPPBX)
- Control & Command System



South Delhi Municipal Corporation (SDMC) Office at New Delhi

Services-

- Acoustics
- Audio Visual Systems (Stage lighting, Stage Furnishing, General lighting, Digital Signage & Video wall)
- Lighting (Internal & External)
- Bollards, Boom Barriers, Flap barriers, etc. system
- ICT System (LAN Passive, CCTV, ACS, LAN Active, IPPBX)
- Control & Command System



Re-Development of ITPO Into Integrated Exhibition-cum-Convention Centre at Pragati Maidan, New Delhi, India

Services-

- Acoustics
- Audio Visual Systems including Public Address system & stage Lighting etc.
- Lighting (Internal & External, Landscape & Facade)
- ICT System (Active & Passive, Data Centres, Server Rooms)
- E-Security (CCTV, Access Control, Boom Barrier, Rising Bollards, Flap Barriers, X-ray Scanners, Duress Alarm, UVSS, Visitor management system & ID badging system, Ticketing system, Parking Management, Perimeter Security system etc.)
- Security Command Centre



Rajiv Gandhi National University of Law, Patiala

Services-

Acoustics, Audio Visual Systems,
General Lighting and Stage
Lighting & Stage Furnishing and
Stage Craft

Areas-

1000 Capacity Auditorium
Mock Courts
Conference Rooms
Meeting Rooms
Lecture Theatres



Trade Facilitation Centre and Craft Museum, Varanasi

Services-
Acoustics, Audio Visual Systems,
Special effects for museum and
conceptualization, General
lighting, IT and Security Systems

Areas-
Museum
Convention Centre



Central Armed Police Forces Institute of Medical Sciences (CAPFIMS), New Delhi

Services-
Acoustics, Audio Visual Systems,
Electronic Security, and IT

Areas-
Complete Institute



ONGC Building, New Delhi & Kolkata

Services-
Audio Visual Systems, IT and
Acoustics

Areas-
Conference Rooms
Meeting Rooms
Board Rooms And Other Areas



New Delhi Municipal Council Convention Centre

Services-
Audio Visual Systems

Areas-
Conference Rooms
Meeting Rooms
Board Rooms And Other Areas



Rashtrapati Bhavan, New Delhi

Services-
Audio Visual Systems

Areas-
Main Auditorium

Our Clients- Hotels

Seven Star Hotels

- Conrad, Pune
- The Edition, Gurgaon

Five Star Hotels

- Taj, Dwarka New Delhi
- Hyatt, Manesar
- J W Marriott, Chandigarh, Kolkatta, Sahar Mumbai
- The Leela, Mumbai, New Delhi
- Crowne Plaza, Cochin, Jaipur, Okhla, Rohini, New Delhi
- Westin, Noida
- Holiday Inn, Bangalore, Cochin, Jaipur, Pune
- Crowne Plaza, Marriott, Bangalore, Greater Noida, Guwahati
- Hilton, Chennai, Jaipur, Nehru Place, Noida
- Raddisson Blue, Bhubneshwar
- Radisson, Guwahati, Kolkatta, Mumbai
- Shangrila, Mumbai
- Langham, Pune
- Vana Retreats, Dehradun
- Courtyard by Marriott, Gurgaon, Jaisalmer, Mumbai, Shilong, Silliguri
- Fairmont, Jaipur
- Reniassance, Guwahati
- Ascot Manesar



Taj Dwarka Hotel, New Delhi

Services-
Acoustics & Façade Acoustics
Audio Visual Systems
IT Systems
E-Security Systems



JW Marriot Hotel, Chandigarh

Services-
Acoustics & Façade Acoustics
Audio Visual Systems



The Leela Hotel, New Delhi

Services-
Acoustics & Façade Acoustics



Crowne Plaza, Rohini, New Delhi

Services-
Acoustics & Façade Acoustics
Audio Visual Systems



Holiday Inn, Jaipur

Services-
Acoustics & Façade Acoustics
Audio Visual Systems



Hotel Aloft at Kathmandu, Nepal

Services-
Acoustics Systems
Audio Visual Systems
IT Systems
Physical Security Systems



Courtyard By Marriot, Jaisalmer

Services-
Acoustics Systems
Audio Visual Systems
IT Systems
E-Security Systems



Hilton Garden Inn, Lucknow

Services-
Acoustics Systems
Audio Visual Systems
IT Systems
E-Security Systems

Our Clients - Auditoriums

- Greater Noida Authority Stadium, Greater Noida
 - Manekshaw Centre, Auditorium, New Delhi (Ministry of Defence)
 - Indira Gandhi Hospital , Dwarka (Ministry of Health / State Government)
 - IHM Pusa (Ministry of Tourism)
 - Indira Gandhi Medical College Auditorium, Shimla (Ministry of Health, Government of Himachal Pradesh)
 - National Security Guards, Manesar (Ministry of Home Affairs)
 - New Delhi Municipal Council (NDMC) Convention Centre, & Talkatora Indoor Stadium, New Delhi
 - Unison World School, Dehradun
 - Punjab Technical University, Jalandhar
 - Shiv Nadar School & University, Dadri
 - Delhi Public School, Noida
 - DPS Edge, World School, Gurgaon.
 - IIT Jodhpur, Ropar, Kharagpur
 - NIT, Patna
- ...and many more!

Meet The Principal



HAREESH THAKUR

In the field since 1986, Mr. Thakur has gathered vast experience and knowledge, making him one of the leading voices and an integral part of the Indian industry. Mr. Thakur takes personal interest and oversees the design and execution of each project. He was the Pioneer in changing technology by converting single screen cinemas into multiplexes, with almost 275 screens of PVR, DT, etc., 50 five-star Hotels, 40+ educational institutions and over 50 auditoriums part of his portfolio.

He was also awarded by President APJ Abdul Kalam for his exceptional work done at the President's Estate- Rashtrapati Bhawan. Mr. Thakur and his team leave no stone unturned to provide the best service and consultancy to their clients.

Awarded By the President of India



Contact Us



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