THE ISOLATOR
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THE ISOLATOR

With summer peaking in the region; gear up for summer solstice, June 21st - as the longest day and shortest night of the year in the Northern Hemisphere.

This edition imprints projects in UAE and Kuwait and the services Kinetics has contributed to these marvelous projects. We also showcase the Importance of Absorptive Panels inside theaters which also doubles up as our Product highlight of this month's Newsletter.

YouTube webinar covers Successful Application of Kinetics Acoustic Louvers.

KINETICS MIDDLE EAST LLC CELEBRATING 30 YEARS ANNIVERSARY 30 YEARS OF EXCELLENCE

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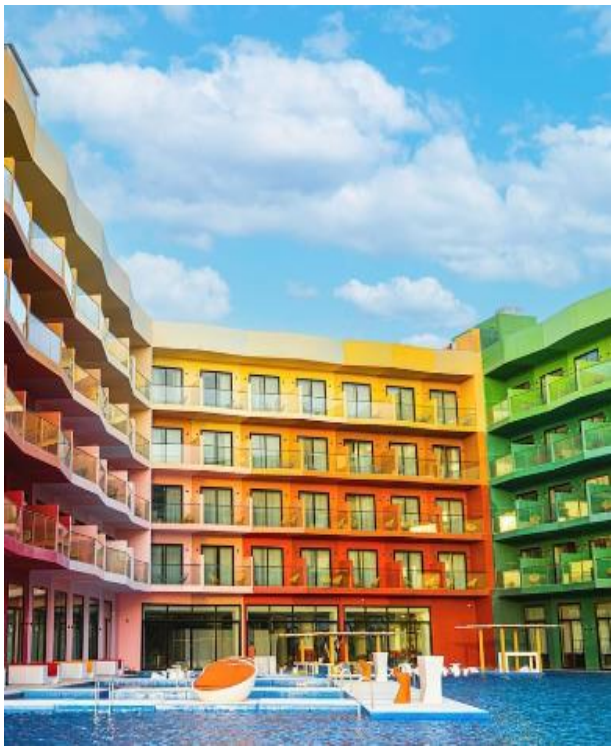

CÔTE D'AZUR RESORT, WORLD ISLAND, U.A.E

Leaving our footprint in the World Island, Dubai we M/s. Kinetics Middle East LLC are proud to announce our support for Acoustic and Vibration mitigation measures in this prestigious project.

Located in The Heart of Europe, World Islands, Dubai, Côte d'Azur Resort comprises of four five-star hotels named after picturesque coastal resort cities along the famous French Riviera; Monaco, Nice, Cannes and St Tropez.

We had extended our service in Engineering Services including Noise calculations, supply of Floating Foundations for Roof top Equipment, Vibration Isolators for Rotating Equipment, etc.

JABRIA HOTEL, KUWAIT

This star hotel named Jabriya Hotel in Kuwait has a contemporary curation of Middle Eastern architecture.

Kinetics Middle East LLC had their engineered know how for Vibration Isolators, Riser supports calculations and Expansion joint products through its distributor in Kuwait, M/s. Arabi Company WLL.

This project proposes an innovative building in Kuwait, a new type of multi-floors to the country. The design is guided by the requirements contemporary life while balancing traditional norms, and reintroduces urban life to the building level. Passive design techniques and innovative materials are used to maximize thermal insulation and minimize light consumption, also enhancing ventilation of the building, avoiding the "heat-effect" that occurs in this type of regions.

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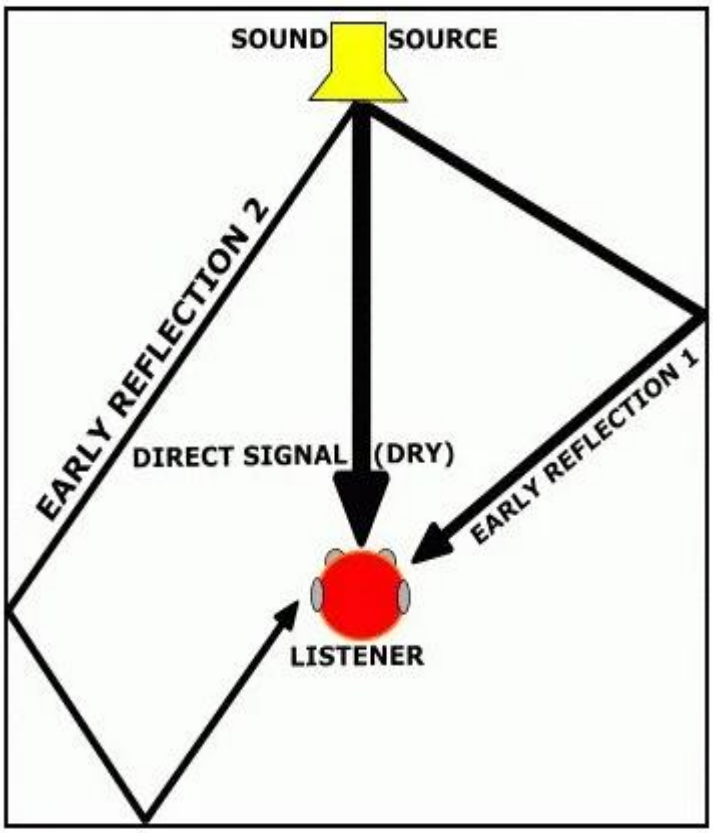
TECHNICAL DISCUSSION:
WHY ABSORPTION PANELS ARE USED INSIDE THEATERS

Acoustic panels are designed to absorb some sound waves and dampen the echoing or reverberation they can cause. They are placed throughout a room in specific, strategic spots to control the way sound waves bounce.



Reverberation, or “reverb” for short, is what you hear in a room when sound is produced. There’s direct sound–the waves of sound in the air that go from the speaker to you directly–but the sound is propagated in a wave out in all directions from the source.

Because of that, it has a chance to bounce off all the surfaces in a room before it gets back to you. The sound from the speaker might come to you directly, but it also bounces off the ceiling and down to you, off the walls to your side and diagonal to you, off the wall behind you, etc. You can think of it like an echo, but not exactly: an echo is when a sound is reflected with a delay that’s so long you recognize you’re hearing the same sound again. Reverb happens quickly, too fast to be an echo, so fast, in fact, that your brain hears the direct sound, the sound bouncing off the walls, and the sound bouncing off the ceiling at basically the same time.

It’s all one sound as far as your brain is concerned, the combined reverberation of the original sound signals all hitting you at once.

The different types of panels, absorbers, and deflectors, are there to make sure that the direct sound is all that gets to your ears. The reverberations are muffled or scattered away, and in that way, the acoustic panels act as a sort of audio shield between bounced sound waves and you.

So, it is important to use acoustic treatments to consume sound waves. The Acoustic Panels extend the decay rate of the sound waves that result in a lower reverberation time for the room.
Decaying of the sound at a quick rate reduces the echo effect in the room and enhances the accuracy of the dialogues and sound in the room.

PRODUCT HIGHLIGHT:

AWP – ACOUSTIC FABRIC WALL PANELS

AWP is a traditional acoustical wall panel offering design versatility. A variety of shaped edges and panel thicknesses allow you to design for the desired appearance and acoustics. The perfect solution for many reverberant noise problems, AWP delivers superior performance.

The core of this panel is a 96 kg/m3 fiberglass board. The edges are square with MDF frame. Fabric facing, from the Camira or Arabian Continental collection, customer-selected fabric, is stretched over the panel, wrapped and bonded around the edges for a crisp, finished look. Vinyl finishes are also available.

Design for panel sizes up to a maximum 1.2 m x 2 m or custom shaped panels with angled or contoured perimeter cuts.

APPLICATIONS

- Interior surfaces were superior Acoustical performance is required.
- Conference Rooms
- Schools/Classrooms
- Auditoriums
- Media Rooms
- Multi-Purpose Rooms
- Churches
- Office Spaces
- Reception Areas
- Home Theaters
- Pro Theaters

Kinetics YouTube –

Successful Application: Acoustic Louvers

In this webinar, you will learn proper methods for
-selecting fixed-blade acoustic louvers,
-applications, and
-structural support methods.
Whether filling an opening in a building mechanical room or incorporating them into acoustic enclosures or NOISEBLOCK barrier wall systems, acoustic louvers are a valuable and important component to controlling noise while balancing pressure drop allowing for proper ventilation.

https://youtu.be/DnJmONkzEOk

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