The Isolator

Kinetics Middle East – Newsletter Issue 7

Allied Partners

Woodfit - Ireland

Kinetics Middle East is happy to announce the development of new allied partner in Woodfit Acoustics from Ireland. Woodfit combine expertise across acoustical engineering and design with world class manufacturing facilities. With almost 40 year of experience delivering on high profile projects around the world, Woodfit have earned a reputation for the highest levels of skill and craftsmanship. The uniqueness of Woodfit lies in their superior range of wooden acoustic panels providing standard and customized solutions to clients around the world.

http://www.woodfitacoustics.com/

Employee Spotlight

Edwin De La Cruz - Quality Control & Warehouse Coordinator

This month we focus on Mr. Edwin De La Cruz, a 12-year employee with us, who spearheads KME's warehouse operations. Specialized in warehousing, he maintains detailed stock status and receives materials, stores, and distributes by initiating, coordinating, and Quality control procedures. Edwin's dedication & hard work ensures smooth operations and on time deliveries for our customers. We look forward for Edwin's on-going contributions for the future success of Kinetics and would like to thank him for his valuable services.

Current Events

Big 5 show

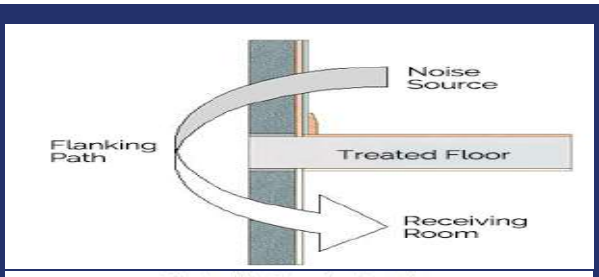
The Big 5 is the region's largest and most influential event for the construction industry is on from 26-29 November 2018. The exhibition showcases building solutions clustered in six product sectors: MEP services, Building Interiors & Finishes, Building Envelope & Special Construction, Construction Tools & Building Materials, and Construction Technology & Innovation. The Big 5 also offers a broad educational agenda, with two high-level conferences and dozens of CPD-certified workshops. KME sales team actively attended the Big5 show.

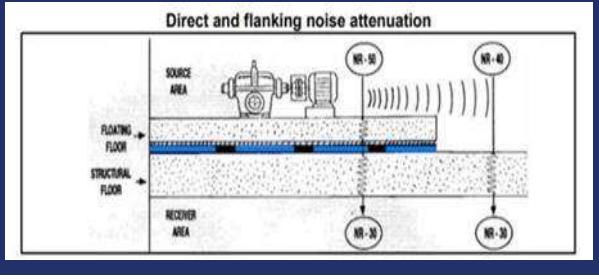
Technical Discussion: Flanking Noise

Sound will move from one room to another through direct and indirect paths. Some amount of energy will travel through or around a wall, floor or ceiling structure. It is important to understand that while sound can travel through the air such as through stud wall and ceiling joist cavities, it can also transfer through rigid surfaces such as along studs, joists, pipes and concrete.

Every equipment produces flanking noise and can transmit noise to the floor below if proper Floating Floor extensions are not provided.

After treating the critical structure e.g. the floor in this case, the sound should be significantly reduced but there still may be a degree of flanking noise that can be heard but this should be tolerable. To gain the highest performance possible, the flanking elements may also need to be treated.





PROJECT HIGHLIGHTS – AL ZAHIA CITY CENTER, SHARJAH

The project involves construction of a shopping mall, comprising 400 shops. The retail area will include anchor tenants and department stores, entertainment areas, food courts and restaurants. The mall spreads over an area of 136,200 square meters. The mall will include 15,100-sq-m Carrefour Hypermarket, with leisure options including VOX Cinemas, with 16 screens incorporating the latest theatre technology, and a 2,350-sq-m Magic Planet family entertainment destination.

Kinetics Scope of work includes:

1. Vibration Isolators and Seismic Restraints
2. Flexible Connectors
3. Expansion Joints
4. Acoustic Floating Floor
5. Pipe Stress Analysis & Support Design

MARKETING DEPARTMENT – ALERT!

We are very pleased to announce that Mr. Nithin George has been promoted as the Senior Technical and Marketing Engineer from November 2018.

Nithin joined the company seven years ago and has advanced through progressively more responsible positions in both the Technical and Sales departments, where he has played a key role during our transition and newly developed products.

Nithin brings a wealth of technical knowledge to the Marketing department, and we are excited about his new role at the company.

PRODUCT HIGHLIGHT OF THE MONTH

Roll-Out Floor Isolation System [RIM Floating Floor]

Floor isolation systems are incorporated into building design to minimize floor impact noise and airborne sound transmissions. A “floated” floor (or rooftop) is supported by resilient mounts installed on the structural floor or rooftop. The design of an effective isolation system is dependent on several factors including: 1. Stiffness and mass of the structural floor, 2. Isolation mount natural frequency and damping characteristics, 3. Airspace height and venting, 4. Mass and composition of the floated floor, 5. Sound absorption in the airspace, 6. Control of sound flanking paths. Airborne and impact noise transmissions are greatly reduced between the room incorporating the floating floor system and other parts of the building.

Successfully installed for years under concrete floors found in mechanical rooms, studios, ballrooms, fitness centers, and theaters, Kinetics Noise Control’s RIM System remains the leading formwork technique for isolating concrete slabs in any floor or roof system requiring sound abatement.
https://kineticsnoise.com/arch/rim.html

To contribute on the Newsletter’s Technical Discussion section or unsubscribe from the Newsletter, email the editor at nithin@kineticsmiddleeast.ae