

THE ISOLATOR

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INSIDE THIS ISSUE



PG. 2

Project Highlight:

Yas Tower – Yas Island, Abu Dhabi
Major Aviation Project, Jeddah - KSA

PG. 3

Technical Discussion:

Superiority of Package Unit
compared to ducted split AC
Systems

PG. 4

Product Highlight:

Kinetics – Sound Attenuators

PG. 5

Kinetics YouTube & Testimonials

Duct silencers types, performance
and proper application

THE ISOLATOR

Welcome to April – where the sun turns up the heat, and so do we!

As we slide into summer (ready or not), Dubai reminds us that "brighter days" also mean your car is now officially an oven by 8 AM. But just like the weather, our energy at KGC is heating up too. This month, let's channel that sunshine into big ideas, bold innovation, and the kind of commitment that keeps us leading the pack—even when the AC is doing all the heavy lifting.

In this issue, we're excited to share some of our recently completed projects, showcasing the dedication and expertise that drive our success. We also explore the advantages of packaged air conditioning units over ducted split systems, highlighting their efficiency and performance benefits. Additionally, we feature a product spotlight on sound attenuators and their role in optimizing system functionality.

With summer fast approaching, it's the perfect time to talk about air conditioning and how Kinetics can enhance their performance. At Kinetics, we remain committed to supporting our clients by providing innovative solutions tailored to their needs. We hope you gain valuable insights from this edition—enjoy reading!



YAS TOWER; YAS ISLAND - ABU DHABI



Yas Tower is a modern residential development located on the vibrant **Yas Island, Abu Dhabi**, featuring 71 one-bedroom and 48 two-bedroom apartments, thoughtfully complemented by ground-floor retail spaces. Designed to support a dynamic lifestyle, the tower offers premium amenities including a state-of-the-art gym and a welcoming pool, all within close proximity to Yas Mall's premier shopping, dining, and entertainment venues.

We are proud to announce our collaboration with MEP contractor M/s. Telco on the Yas Tower Project. Kinetics Group of Companies (KGC) has been selected to deliver specialized noise and vibration control solutions, reinforcing our role as a trusted partner in high-quality urban living environments.

Our scope includes the supply of high-performance vibration isolators and acoustic lagging materials, expertly engineered to minimize noise transfer and mechanical vibration throughout the building. These solutions are crucial in elevating occupant comfort and ensuring a peaceful acoustic experience—a hallmark of modern residential excellence.

This partnership further reflects KGC's continued commitment to engineering innovation, comfort-driven solutions, and the pursuit of excellence in architectural acoustics across the UAE.

KGC Delivers Engineering Solutions for Major Aviation Infrastructure Project in Jeddah

Kinetics Group of Companies (KGC) is proud to contribute to a landmark aviation infrastructure development in **Jeddah, Saudi Arabia**.

This large-scale project reflects the scale and sophistication of our engineering capabilities, encompassing the design and construction of 11 advanced aircraft maintenance hangars, ancillary support buildings, a centralized administration facility, closed car parking, and extensive aircraft parking aprons.

In close collaboration with our esteemed distributor, M/s. Arwada, Kinetics supplied specialized seismic support systems and vibration isolators designed to meet the stringent performance, safety, and durability standards of modern aviation facilities.

By combining technical excellence with local partnership, KGC reaffirms its position as a trusted contributor to one of the region's most ambitious infrastructure developments—delivering reliability, innovation, and long-term value to the aviation sector.



TECHNICAL DISCUSSION:

SUPERIORITY OF PACKAGE UNITS COMPARED TO DUCTED SPLIT AC SYSTEMS

- Packaged air conditioning (AC) units are **all-in-one systems**, housing the **compressor, condenser, and evaporator** in a single, compact unit. Typically installed **outdoors**—on rooftops or ground-level slabs—they connect to a building's ductwork to deliver cool, conditioned air directly inside. Their streamlined design makes them ideal for buildings where **indoor space is at a premium** or where ease of installation is a priority.
- On the other hand, **split AC systems** divide the components between **an indoor air-handling unit and an outdoor condenser**, connected via refrigerant piping. While split systems can offer greater **zoning flexibility** and may be preferable in certain residential or smaller commercial setups, they often require more **complex installation** and can take up valuable **interior space**.
- When choosing between the two, it's crucial to assess your **building layout, available space, noise considerations, and cooling capacity needs**. Whether it's packaged or split, KGC helps ensure that your system is not only the right fit—but also optimized for **efficiency, performance, and long-term reliability**.

➤ ADVANTAGES OF PACKAGE UNIT AC SYSTEM

- **Space Efficiency:** By consolidating components into a single outdoor unit, packaged systems free up indoor space, which is particularly advantageous for buildings with limited interior areas.
- **Simplified Installation:** The all-in-one design reduces the complexity of installation, often leading to lower labor costs and shorter setup times
- **Maintenance Accessibility:** With all components located in one unit, maintenance tasks are more straightforward, potentially reducing service time and costs.
- **Aesthetic Considerations:** The absence of indoor units and associated piping enhances interior aesthetics, as there is no need to accommodate indoor components.

➤ PACKAGE UNIT IMAGE



The primary role of **sound attenuators** is to reduce the transmission of **Duct-borne** noise generated by HVAC equipment—such as fans, air handling units, and duct systems—ensuring a **quieter and more comfortable environment** for building occupants. These devices work by **absorbing and dissipating sound energy** within the ductwork, effectively minimizing the spread of airborne noise throughout the system.

At Kinetics, we don't just supply sound attenuators—we **engineer solutions**. Our team offers **specialized design and technical support** to seamlessly integrate our wide range of attenuators into your HVAC system, ensuring that performance, space, and acoustic requirements are met. Each product is **custom-designed** to suit the specific acoustic and airflow needs of your project, offering true **"made-to-order" flexibility**.

All Kinetics sound attenuators are backed by **independent laboratory testing** in accordance with **ASTM E477-06a** and **AMCA 1011-03**, conducted in an **NVLAP-accredited facility**. This ensures not just compliance—but confidence in performance.

Whether you're working on a mission-critical facility or a commercial development, Kinetics is your trusted partner in designing systems that sound as good as they perform.



➤ APPLICATIONS

- Duct System Path from the Air Handling Unit to the Receiving Room, both supply and return
- Fan Inlet and Discharge
- Mechanical Room Ventilation
- Air Handling Units (AHU)
- Package Units (PACU)
- Cooling Towers
- Ecology Units
- HVAC Duct Systems for Commercial, Institutional, and Industrial Buildings
- Cross-talk Applications (adjacent rooms, shared ventilation)
- Generator Room Air intake and Radiator Exhaust



KINETICS YOUTUBE & TESTIMONIALS

Duct Silencer Types, Performance and Uses

Ever wondered how to keep HVAC systems quiet? In this video, we dive into duct silencers—what they are, the different types, and how they work to reduce noise in ventilation systems.

You'll learn about performance factors, proper applications, and expert tips to ensure maximum efficiency. Whether you're in construction, HVAC design, or just curious, this video will give you valuable insights into noise control!

Don't miss out—watch now and level up your knowledge! Subscribe to our channel for more expert content!

▶ YouTube Channel: <https://lnkd.in/dtwpwyqw>

Learn more about our products by connecting with us:

✉ info@kineticsgroup.ae | sales@kineticsgroup.ae

☎ +971 4 885 7361

🌐 Website: www.kineticsgroup.ae



(Click the image to watch this video)



“From scheduling to inspection, everything was handled with professionalism and efficiency. There is clear communication and expertise ensured that all issues were resolved.”

ENGR. MOIZ AJABSHA

Ssangyong Engineering & Construction Co., Ltd.

“Impressed with the punctuality and condition of the delivered goods. The team ensured smooth coordination, making issue resolution effortless.”

SHEIK RAJA

Hills and Fort Construction LLC

“Reliable and efficient—our orders arrived on schedule and in perfect shape. The Kinetics team was professional and proactive in communication.”

MR. ASIF

Novara Electrical LLC

“Kinetics was highly responsive, clear, and efficient, ensuring a seamless experience.”

ENGR. ARBAZ

World King Contracting LLC

“Excellent services of Kinetics! Timely deliveries, well-handled products, and great communication throughout the process.”

GEETHU SETHUKUMAR

AMEP Contracting LLC

“The deliveries were always on time, and the goods arrived in perfect condition. Clear communication and seamless coordination made the entire process hassle-free.”

SOHAG MIAH

Amana Contracting & Steel Buildings

“Our experience with Kinetics was excellent. They were quick to respond, provided accurate documentation, and resolved our concerns effectively.”

ENGR. SANTOSH KOMAR

Al Mezin General Contracting

“Excellent service of Kinetics from start to finish! They are well-organized, the inspection findings in the site were clearly explained, and all concerns were addressed promptly”

ENGR. ABDUL HAKIM

Conversion Electro Mechanical Co LLC

“With Kinetics, deliveries arrive on time, intact, and with clear updates.”

ENGR. ZULFIQAR ALI

Noble Equipment Est

“Exceptional service from Kinetics—always responsive, efficient, and professional.”

ENGR. MARY JANE AMORES

Tornado Building Contracting

