Kinetic Tiles Market to Register Unwavering Growth During To 2030 | Energy Floors, Kinergypower

WILMINGTON, DE , UNITED STATES, April 16, 2024 /EINPresswire.com/ -- The kinetic tiles market was valued at $28.9 million in 2021, and is estimated to reach $44.0 million by 2031, growing at a CAGR of 4.5% from 2022 to 2031.

Kinetic Tiles Market

Kinetic tiles are based on the piezoelectric effect which help in the production of power. Kinetic tiles are fully recyclable pedestrian floor tiles which can be used in pavements and high footfall areas, such as sport arenas, airports, railway stations, shopping malls, and office and apartment blocks. The inventor of kinetic tiles is Laurence Kemball-Cook. In 2009, he launched a company name Pavegen, which specializes in the design and production of kinetic tiles for a variety of uses. Kinetic tiles are designed for use in high foot-traffic areas. The tiles convert the kinetic energy from the footsteps of pedestrians into renewable electricity which is used to power off grid lighting solutions.

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The power generated from kinetic tiles can be used to run low-voltage equipment such as streetlights and phone charging. The kinetic tiles been successfully installed on footpath and several public spaces for monitoring durability and performance while helping to power the building. According to the manufacturer, each tile has a lifespan of about 20 million steps, or five years. The demand for kinetic tiles is increasing in the sport auditorium, playgrounds and clubs which is creating the boom in kinetic tiles industry.

According to kinetic tiles market analysis, footfall is a sustainable energy source for generating electricity without consuming any natural resources. Kinetic tiles do not contribute to any environment pollutions which is boosting the kinetic tiles market trends in near future. The main advantage of kinetic tiles is that the product is effective and occupies very less operational area

for electricity generation. Kinetic tiles absorb kinetic energy during daytime and nighttime with no impact on environment.

The kinetic tile design improved in 2016 which improved the energy conversion and increase kinetic tiles market share in the energy harvesting industry. The power generated from kinetic tiles can be used to run low-voltage equipment such as streetlights and phone charging. The kinetic tiles been successfully installed on footpath and several public spaces for monitoring durability and performance while helping to power the building. According to the manufacturer, each tile has a lifespan of about 20 million steps, or five years. The demand for kinetic tiles is increasing in the sport auditorium, playgrounds and clubs which is creating the boom in kinetic tiles industry.

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Surge in awareness and promotion of using green energy solution are expected to drive the global kinetic tiles market growth in forecasted period. Off-grid lights are energy-saving, durable, affordable, safe and eco-friendly which is expected to fuel the demand for kinetic tiles size in new construction of pedestrian projects. As per kinetic tiles market forecast, there is an increase in the demand for kinetic tiles in public spaces, clubs and sports auditorium projects as kinetic tiles help lower the expanse of electricity bills. Kinetic tiles come with the several new features of data collection and energy generation which creates kinetic tiles market opportunity in near future.

The kinetic tiles market is segmented on the basis of floor mechanism, shape, application and region. On the basis of floor mechanism, the market is classified into piezoelectric, magnetic, generators and static. On the basis of shape, the market is divided into triangle and square. On the basis of application, the market is categorized into footpaths, public spaces, athletics field and courts, dance floors. Region-wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

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Key findings of the study:

On the basis of floor mechanism, piezoelectric segment holds the dominant market share in

2021 in terms of revenue.
On the basis of shape, triangle segment holds the majority market share in 2021 in terms of revenue.
On the basis of application, the footpaths segment gained more than 30%share in 2021 in terms of revenue.
On the basis of region, the Europe region hold significant market share in 2021 in terms of revenue.
Key Market Players

Global Energy Harvest Co.
POWERleap Inc.
studio roosegaarde
Pavegen
Ok.Power
Energy Floors
Kinergypower
ECO RENEWABLE ENERGY.
Shaw Industries Group, Inc.,

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