

Kinetic Tiles Market Outlook and Opportunities in Grooming Regions: Edition 2022-2031

The kinetic tiles market is estimated to reach \$44.0 million by 2031, growing at a CAGR of 4.5% from 2022 to 2031.

WILMINGTON, DELAWARE , UNITED STATES, November 22, 2023

/EINPresswire.com/ -- The [kinetic tiles market](#) share is expected to witness

considerable growth in coming years, owing to increase in investment by prime players of the market in high performance kinetic tiles. Further, increase in demand for off-grid lighting solutions in urban areas is primarily expected to drive the global kinetic tiles market positively during the forecast.



Kinetic Tiles

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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 Kembell-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.

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.

and courts, dance floors. Region-wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

On the basis of floor mechanism, the piezoelectric segment held more than 50% share in terms of revenue and segment is expected to grow at the highest CAGR of 4.8% from 2022 to 2031. Kinetic tiles are based on piezoelectric mechanism for power generation. Piezoelectric mechanism increases the output of the kinetic tiles which increases its demand in the market.

On the basis of shape, the triangle segment held dominant share in terms of revenue and segment is expected to grow at the highest CAGR of 4.6% from 2022 to 2031. Triangle kinetic tiles are easy to deploy and increases the efficiency of power generation. Triangle tiles are customizable and highly durable which increases its demand in the market.

On the basis of application, the footpaths segment held significant share in terms of revenue and segment is expected to grow at the highest CAGR of 5.2% from 2022 to 2031. Footpaths have high traffic of footfall due to which demand for kinetic tiles is more in footpath segment.

On the basis of region, the Europe region held around 40% share in terms of revenue and is anticipated to grow at a CAGR of 4.9% from 2022 to 2031. Future developments in UK kinetic tiles product industry are projected to drive the growth of the kinetic tiles market in the country. North America holds the CAGR of 4.6% during the forecast period.

The kinetic tiles market analysis covers in-depth information of the major industry participants. Some of the major players in the kinetic tiles market include Pavegen, Energy Floors, POWERleap Inc., ENGOPLANET ENERGY SOLUTIONS LLC, Kinergypower, ECO RENEWABLE ENERGY., Studio Roosegaarde, Global Energy Harvest Co., Ok.Power., Shaw Industries Group, Inc. and others.

Key Market Insights:

- 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.

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