



SUSTAINABLE ENERGY FLOOR

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The Sustainable Energy Floor is efficient energy converting pedestrian floor system which can be used in pavements and high footfall areas like airports, sports arenas, shopping malls, and railway stations.

With this system is possible to take the energy generating floor to the next level. Through an electromechanical system, it converts the kinetic energy of people's footsteps to electrical power.

This floor enables people to generate their local clean energy to power street lights and signing systems and could be a crucial element in smart grids, integrated with solar and wind power.

The floor modules flex slightly when stepped on. Inside each tile is an electromechanical system, which transforms the small vertical movement

produced by pedestrians into a rotating motion that drives a generator. Each module by the size of 115 mm can generate up to 30 watts of continuous output. Typical power output for continuous stepping by a person lies between 1 and 10W nominal output per module.

SEF modules can be fully customised and are perfectly brandable and this customised appearance combined with individual control per module creates a high profile energy floor with great impact, that allows to consider this product an efficient tool to raise awareness on energy production in public spaces.