PRESS RELEASE

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Meet STEP Snowmelt™: The Future of Nature & Engineering

STEP Snowmelt is the radiant heating solution for a safe and easy winter, clearing driveways, walkways, patios, and roofs of snow and ice with low energy cost.

ST LOUIS (DECEMBER, 2021) — Those expecting heavy snowfall can cross shoveling snow off of their to-do list this winter with STEP Snowmelt. As the premier radiant heating solution for driveways, patios, roofs, and gutters, STEP® Snowmelt features the same innovative self-regulating heating elements that put STEP HEAT on the map.

STEP Snowmelt is designed to keep residential and commercial driveways, sidewalks, walkways, ramps, patios, and more, free from snow and ice. STEP Snowmelt operates on 24 to 48 volts and is often connected to a power supply, but can also be operated by solar or wind power. This patented, low-voltage radiant heating mat (available in 9 or 12” wide sizes) is made from durable, thin (3/64”) elements comprised of semi-conductive, self-regulating polymer. This self-regulating technology (PTC nanotechnology) allows the heating elements to heat with maximum power in cold environments and use less electricity as they warm up. This minimizes power consumption and reduces snow melt costs by 30 to 60% compared to conventional cable systems. STEP HEAT engineers customize the ideal snowmelt system based on their customer’s unique project needs. STEP Snowmelt elements are installed under the pavement of walkways, driveways, and patios.

STEP Roof Deicing is designed to solve problems with snow buildup and ice damming on roofs, valleys, eaves and gutters for commercial and residential buildings. The patented low voltage heating element STEP Roof Deicing is a durable, yet thin (3/64”) element. This 3”, 9”, 12” wide element is made of a homogeneous, semi-conductive polymer, which by nature is self-regulating. The heating mat is designed to be installed underneath roof shingles. The lightweight heating element is delivered in a roll and can be cut to size and field wired on the job site for easy installation.

STEP Snowmelt systems can be customized according to regional temperatures and how much snowfall they receive. STEP Snowmelt installations can be designed with different "snow-free ratios." Snow-free ratio 0 melts snow after it has already fallen, snow-free ratio 0.5 melts half of the snow as it falls, and snow-free ratio 1 melts all snow while it is falling. STEP HEAT works with customers to determine which system best meets their needs. The elements come enclosed in vinyl and should be installed under pavement or concrete, placed on top of gravel and compacted sand, and secured so that they do not move around when pavement or concrete is poured on top of them.

"With STEP Snowmelt, homeowners don't have to worry about clearing snow and ice from their driveway and can be assured our self-regulating technology will do the job while lowering energy costs," said STEP HEAT President, Monica Irgens. "We are proud to offer the future of nature and engineering with innovative heating solutions for a safer, more comfortable winter season."

For more information about STEP® Snowmelt and other radiant heating solutions by STEP HEAT™, visit https://stepheat.com/snowmelt/.

For media inquiries, contact Christina Madrid at Christie & Co, www.christieand.co, by phone (818) 621-1897 and/or email christina@christieand.co.

About STEP HEAT

STEP HEAT is transforming the way we heat our homes, delivering healthy warmth for a consistently comfortable environment. Its radiant heating systems warm up a room by first heating cold objects within it. This avoids spreading allergens, which can happen with forced air systems that provide warmth by blowing heated air into rooms. Because STEP HEAT's floor-installed heating elements are self-regulating, they decrease electrical power usage as ambient temperature increases, making them energy-efficient, without risk of overheating. STEP HEAT radiant heating systems are manufactured in Maryland Heights, Missouri, and the company is owned by Stephan and Monica Irgens. The Self-regulating Technology of Electro Plastics from which the company derives its name was first developed in 1981 as a method of heating automobile seats, but has since been adapted for application from heating homes and recreational vehicles to deicing roofs and ships. In 1994, Stephan and Monica introduced the United States to their radiant heating system through Electro Plastics, Inc. To date millions of square feet have been installed for various applications throughout the world.

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