Advantages

- Cost-competitive with synthetic insulation systems.
- Sustainable

VnhdfcXi Whg"H\Yb'Z b[U'fcchYhg'UfY']bhfcXi W\X"H\YmZcfa a dense matrix consisting of a mass of branching, chitinous hi VYg"H\Y']bhYfbU'g\W c'X'XY`]j Yfg'bi hf]h]j Y'a YX]U'UbX' structure to the fungal tubes as they rapidly grow and bind h\Y'g\W c'X"H\Y'\Wa dcg]hY']g'h\Yb']b\W'VUhYX'\Zcf'g\Yj YfU'XUng' and dried before application.

Our biomaterial can be designed to achieve precise R-values, mechanical properties, and to match the net shape of the surface to be insulated. Unlike petroleum-based plastic insulation, our product does not create plastic pollution and waste streams. It binds carbon and drastically reduces environmental footprint of construction.

8f"D\]]ddY'5a gh]g'Uj g_]'k Ug'Yl dYf]a Ybh]b['k]h\V]ca UhYf]U'g'XYj Y'cdYX'hYWbc`c[mhc dfcXi W'h\Yfa U`m]bgi `Uh]b['V]c`c[]W' ZcUa z'UbX'hYUa YX'i d'k]h\8f"N\Uc\i]ÎxYmi NJIb[z'U[YchYWb]WI'Yb[]bYYf"8f"NJIb[z_bck]b['h\Y'WU`Yb[YgcZ]bgi `Uh]b[' Vi]X]b[g'UbX']bZfUghfi Vhi fY'Zfca 'h\Y'Yl hYa YgcZh\Y'5`Ug_Ub'k]bhYfgzgi [[YghYX'hYgh]b['h\Y'ZcUa g'Zcf'h\Y]f'ghUy]`]mmUbX'h\Yfa U' properties and they developed a prototype for carbon-neutral, and high-value insulation from local forestry by-products and Zib[U'fcchYhg"K]h\U[fUbhZfca 'I b]jYfg]lmcZ5`Ug_U'5bWcfU[Yzh\Y]XYU'h\Uh`YX'hc'F\]ncZcfa 'k Ug'Vcfb"

F\]ncZcfaž@@7jg'U'GYUkc`Z<c`X]b[g'7cadUbm'UbX'kUg'ZcfaYX']b';i`m&\$%'Vmh\Y'J]WY'DfcjcghcZFYgYUfW\'UbX';fUXiUhY' GhiX]Yg'Uh'I55ž8f"<Y`YbU'K]gb]Ykg_]žk]h\'h\Y'ZUW\`hm']bjYbhcfg'8f"D\]`]ddY'5agh]g`Ujg_]ž5ggcVJUhY'DfcZYggcf'cZDiV`]W<YU'h\'UbX'8f"N\Uc\i]'Î>cYnji'NUb[žDfcZYggcf'cZ7]j]`]`'9b[]bYYf]b["

Business Model: Fully develop an engineered system to manufacture ASTM-rated insulation board and other bio-insulation products locally, and license them for manufacture and marketing nationally and internationally.