

The Advancing TIDE

INFO RELEASE

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TIDE

Meeting the Urban Challenges of Tomorrow

The Advancing TIDE has developed a working contingency to engage and overcome environmental issues present in the urban community. The heavy noise pollution, numerous food deserts, and temperature islands infect our cities like cancerous growths. EcoRail™ is a TIDE created pioneering solution to reverse this adverse path. EcoRail™ is a revolutionary life enhancing building platform that provides a low-cost, right-fit means to rehabilitate a single building or an entire community.



The unique multi-functioning platform allows EcoRail™ to augment with new or existing buildings. EcoRail™ functionality fully embraces the needs of occupants by the following:

- **Green, Vertical Wall & Rooftop Passive Cooling and Insulation** – EcoRail™ provides passive cooling/heating and interrupts high temperature cycles by creating airgaps that provide thermal insulation.
- **Storm Water Retention/Treatment** – EcoCapture™, the functional companion of EcoRail™, harvests rainwater, seizes and then redirects water run-off to EcoRail™ for a myriad of uses, generating saving costs for the user.
- **Living Escape** – TIDE's hydronics powered LivingEscape™ provides a water and vegetation shield to the survivor throughout the escape route.
- **Emergency Supplemental Fire Suppression (ESFS)** – EcoRail™ installable with ESFS pressurized system for a curtain of cooling water around the roof and building's exterior. The uniqueness of this feature provides a powerful tool during internal and external fires.

- **Natural, Attractive Sound Attenuation** – Using landscaping vertical vegetation, EcoRail™ showcases low-cost, -maintenance sound and line-of-sight barriers by utilizing landscaping vertical vegetation.
- **Urban/City-Scape Gardening** – EcoRail™ assembly mixture of commercial-residential building material and a user DIY renovation product lowers production and sales costs.
- **Security Fences** – EcoRail™ delivers a natural and visually pleasing secure urban/suburban barrier. A purposed design of stable thorns, thick spines and cutting leaves, privacy and security levels are assured.

This modular EcoRail™ safety system will enable rain and storm water capture while delivering water, nutrients and/or fire retardants around the entire zone of installation. With no-cost gardens for building occupants and the reduction of nutritional wastelands in urban neighborhoods, communities are empowered, ready to meet the challenges of tomorrow.

