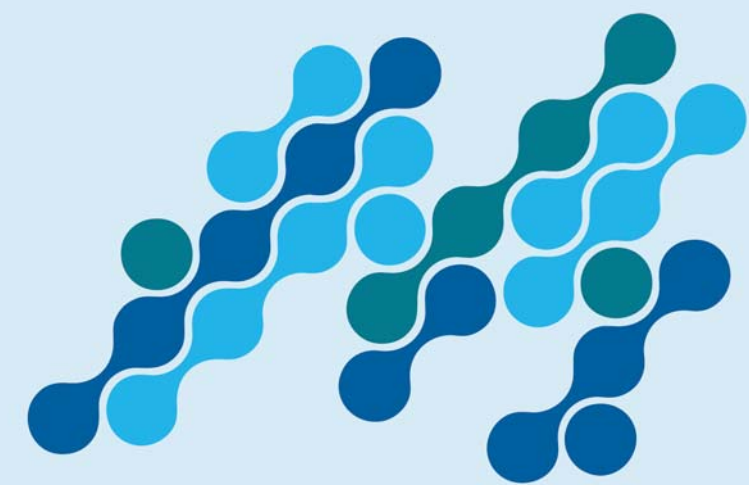


PUBLIC ART AND AMENITIES

TRAIL CONNECTIONS

WOODLAND EDGE LANDSCAPING

THE WATER COUNCIL PILOT PROGRAM



PILOT PROGRAM

THE WATER COUNCIL

Through the support of a Wells Fargo Clean Technology & Innovation grant, Milwaukee Metropolitan Sewerage District (MMSD) and Fund for Lake Michigan, The Water Council launched the Pilot Program, an initiative supporting the progression of new water technologies from the lab with a working prototype, to real world demonstration sites for practical application. The Pilot Program provides support and funding to businesses of all sizes to help develop and validate new, cutting-edge products from prototype to small-scale production and manufacturing. Selected projects must address integrated water solutions through innovation, application and demonstration while maintaining a cost-efficient, scalable and deployable model.

Through the promotion of local development and support of partners, The Water Council is able to accelerate the deployment of technologies needed to solve problems, create new business and improve water quality and quantity on a regional and global scale.

HOW IT WOULD WORK IN SHOREWOOD

THE ENTIRE WILSON DRIVE CORRIDOR IS DESIGNATED A PILOT PROGRAM PROJECT AREA

PILOT PROJECT IDEA IS IDENTIFIED BY THE WATER COUNCIL

PILOT PROJECT IDEA IS SHARED WITH THE VILLAGE TO GAUGE INTEREST LEVEL

SPECIFIC SITE SELECTION IS IDENTIFIED ALONG THE WILSON DRIVE CORRIDOR FOR IMPLEMENTATION

PHASE 2 PROJECTS
(potential implementation post-roadway reconstruction)

PILOT PROGRAM PROJECT EXAMPLES



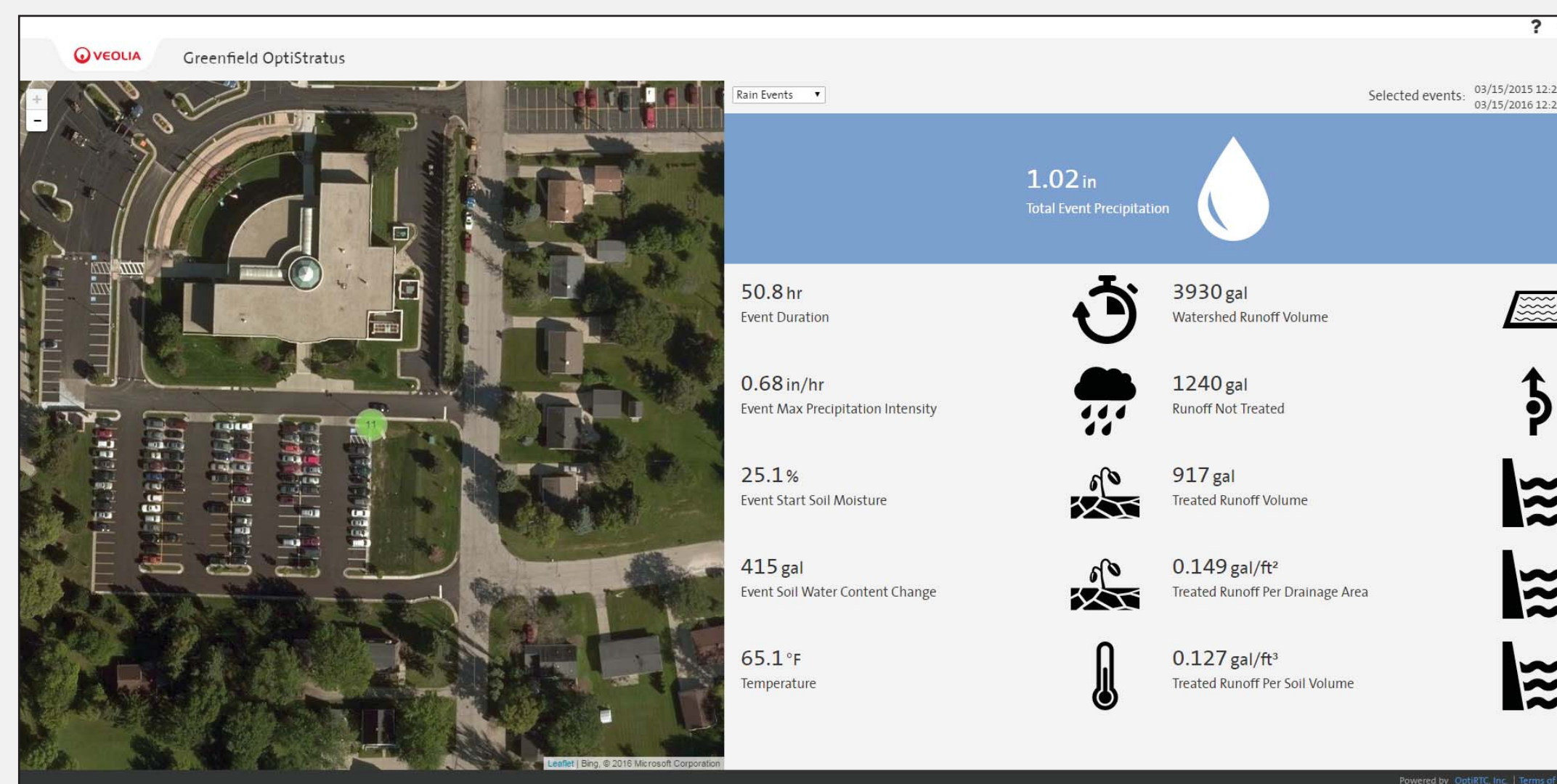
“The StormGUARDen”

» Stormwater Solutions Engineering, LLC (Milwaukee, WI) - Founded in 2002 to provide drainage and stormwater design to clients of many types, Stormwater Solutions Engineering has a new product innovation called “The StormGUARDen.” The StormGUARDen is a composite material planter placed at the end of an outside downspout that can reduce the potential for overflows to basements that can occur with rain barrels by holding 8x more water. It is a stormwater device that is modular and removable, and designed for easy maintenance.



PaveDrain + PO4-Sponge

» The new product will be a combination of two proven products and systems; PaveDrain, a permeable paving surface, and MetaMateria, specializing in phosphorous removal. The PaveDrain system has been installed on private and public projects for almost 8 years and has been installed throughout Wisconsin, and the U.S. MetaMateria's PO4-Sponge has been in the works for over 6 years in the phosphorous removing market focusing mostly on point source (municipal and industrial) applications.



Rain:Net

» Veolia Water Milwaukee / OptiRTC, Inc. (Milwaukee, WI / Boston, MA) - Rain:Net powered by Opti will actively control and monitor stormwater discharge from Green Infrastructure based on sensor and satellite data and weather forecast information. This technology will enhance the performance of Green Infrastructure by reducing wet-weather discharge. The status and performance of Green Infrastructure outfitted with Rain:Net will be available to view on dynamic web-dashboards.



Solar Water Works

» Solar Water Works (Madison, WI) - Utilizing a solar-powered, catalytic oxidation process for stormwater disinfection, Solar Water Works will measure reaction rate constants for disinfection of two types of bacteria. Data collected will be used for the design and economic analysis of larger-scale stormwater maintenance implementations.



“Water POD” (Potable On Demand)

» With growing concerns about the current and future needs for freshwater access globally, Stonehouse Water Technologies has created a cost-effective, modular, mini water filtration system. The “Water POD” (Potable On Demand) solves the problem of a lack of healthy, clean drinking water in underserved and distressed populations where water contamination is a part of daily life. The POD utilizes multiple processes to remove pathogens, such as Cryptosporidium, viruses, bad odor and taste, and reduces a variety of heavy metals such as Arsenic to safe levels. The Water POD (Potable On Demand) contains a series of filters that can be modified depending on pollutants in a local water source. Filters remove sediment, illness-causing bacteria and Cryptosporidium, metals, chemical pollutants and odors. The final step is exposure of the water to ultraviolet light so that viruses are killed. Each POD produces 3,000 gallons a day, enough drinking water for 1,000 people.