



HYDROLUTIONS NORTH AMERICA

Executive Summary

Hydrolutions North America, LLC, (www.hydrolutionsna.com) which develops and installs ecological wastewater treatment systems, engaged the FuzeHub team to help with beta testing in New York state, as well as third-party environmental testing, with results to date including:

- Pilot installation and associated beta testing expected to take place in Suffolk County, N.Y.
- Funding in place for third-party environmental testing with RIT's Pollution Prevention Institute, thereby connecting resources across the state for collaboration

New systems, which are plant-based, will use less energy than incumbent mechanical systems, many of which are more than 50 years old and in need of upgrading

Situation

Hydrolutions North America is a Long Island-based company that provides innovative and proven technology for Ecological Wastewater Treatment (EWT). The company has formed a joint venture with firms in Spain that have exclusive access to patents from the Polytechnic Institute of Madrid. Ecologically-based wastewater treatment systems have been documented to eliminate cholera in a portion of the Niger River in Mali, reduced infant mortality by 70% in that same region, and received honorable mention at the 2003 Kyoto Protocol for "Best Proposal for Water Issues."

While the company's patented ecological wastewater treatment system has been deployed successfully over 10 years at more than 150 sites worldwide, including throughout Europe, it has yet to penetrate the U.S. market.

Needs

Hydrolutions North America identified the following needs:

- Expanded ecosystem, including technical and funding resources
- Proof of concept and third-party environmental testing at domestic site
- Establish New York-based service



Hydrolutions North America, LLC

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Engagement

Executives from Hydrolutions attended the 2013 Long Island Solutions Fair hosted by the Long Island regional NYMEP Center, the Long Island Forum for Technology (LIFT). At the fair, and in subsequent meetings, the executives engaged with a number of FuzeHub team members to explore ways to establish a foothold in New York state, thereby proving the company's technology to the U.S. market and ultimately creating new, green-tech jobs in New York state.

Strategy

Hydrolutions has exclusive access to a patented, plant-based alternative to wastewater treatment that is simultaneously effective, efficient and environmentally sensitive. The company's alternative is especially attractive at a period in which many wastewater treatment facilities are using older mechanical/chemical processes that have not been updated in decades. Hydrolutions required a site to beta test its technology in New York state, as well as third-party environmental testing to validate the technology and demonstrate its viability. FuzeHub responded quickly to address both of these needs, connecting Hydrolutions executives with increased exposure to critical resources such as validating facilities, laboratories and specialized equipment, contract engineering consulting, funding streams, and supplier and industry partners, among other essential networks.

Outcomes

- Pilot installation and associated beta testing expected to take place in Suffolk County, N.Y.
- Funding in place for third-party environmental testing with RIT's Pollution Prevention Institute
- New systems, which are plant-based, will use less energy than incumbent mechanical/chemical systems, many of which are more than 50 years old and in need of upgrading
- Access to new markets: in Suffolk County alone, there are approximately 356,773 households that could use Hydrolutions' technology

"Over the last several months, we have come to rely on the FuzeHub team to assist us in facilitating a larger footprint for Hydrolutions North America in the environmental wastewater industry. We view FuzeHub as a valued ally as we move forward to getting the Hydrolutions North America story out, about Ecological Wastewater Treatment and its beneficial, sustainable, and green use impacts."

-- Michael Urtnowski, President & CEO, Hydrolutions North America

