Water Life Systems Inc
2020 Executive Summary Brief

#WeCanSaveTheWorld

Company Introduction

Water Life Systems Inc (WLS) is a USA-based company providing new environmental service technology to transform biologically and chemically polluted water into clean water. WLS designs and manufactures ISO 30500/33003 wastewater treatment and monitoring systems, among others, to clean groundwater, surface water, and wastewater sources. WLS has proprietary water monitoring systems to provide live up-to-date pollutant information. WLS also provides systems for saving scarce water resources.

WLS, a Delaware corporation established August 2019 to expand on the development and distribution in the USA and international markets for water treatment and monitoring systems of Smart Waters BC, Canada (SW). SW was founded by Jamie Gordy in 2016. WLS owns the product distribution and intellectual Property Ownership Rights (IP) for all products. The solutions WLS provides are modular and scalable to target pollutants in municipal wastewater treatment plants, storm water drainage systems, residential housing, agricultural runoff, industry, aquifers, and other water sources." Our geographic market currently includes the state of Wisconsin, where WLS has affiliations with The Water Council, Wisconsin Department of Natural Resources, University of Wisconsin System, and ongoing pilot projects, as well as in Canada and South Africa.

Founding Team

Jamie Gordy – CEO
Thomas Murphy – President
John Murphy – CFO
James Olejniczak – CTO
Jon Loeck – VP Engineering

WLS' PODFlush (Portable Ozone Device) wastewater monitoring and treatment system converts wastewater and any source water into clean water for reuse – including, but not limited to, potable and irrigation qualities. Wastewater is treated directly at the source for reuse or discharge without the need for additional treatment. The systems can be installed in any phase of the wastewater process. The system also can be adapted for resource recovery beyond water treatment. WLS has proprietary solutions to make closed-loop water & sanitation systems for business operations that are environmentally friendly and economical to install and maintain. The systems can store the clean water in tanks for reuse. WLS proprietary closed loop systems are scalable to use with stand-alone portable toilet containers or large multi-unit residential and commercial buildings.

WLS' new systems will provide municipal, industrial, agricultural, and environmental organizations across USA with the capabilities, and the motivation to participate in sustainable water conservation and environmental rehabilitation efforts while contributing to high quality of life.
The WLS goal is to have the systems locally assembled/manufactured. Present ongoing initiatives include the USA, Canada and South Africa.

The Problem WLS is Passionate About to Help Solve

5.3 billion people will suffer from freshwater shortages by 2025 – Water is the world's most precious commodity. As global population increases, and industry continues to expand, Earth's freshwater reserves are being stretched dangerously thin due to overuse and pollution. The supply of clean, usable water is decreasing faster that it can be replenished. There are a variety of newly established decentralized water treatment methodologies to help combat this global challenge. Not all are created equal in terms of physical footprint, treatment capacity, effluent discharge quality, power consumption, ease of maintenance, and cost.

Due to impact variance and economies of scale, centralized municipal programs are pressured to focus on improving water consumption and reuse in industrial, commercial, and agricultural settings, leaving the responsibility for solving residential water consumption challenges largely on the individual. Further, municipalities and their centralized utility counterparts are finding the traditional water treatment methodologies too expensive and often operationally ineffective.

More than 800 toxic contaminants have been identified in Great Lakes water and sediment.

Academic and government studies are illustrating that in Wisconsin, and most areas throughout the world, groundwater, surface water, and wastewater effluent sources increasingly contain toxic levels of nutrients and other pollution elements, which has direct causal relationships to agricultural, industrial, and residential development and has sustainability implications.

The Solution Is in Our Value Proposition

The PODFlush and WLS suite of modular Seacan housed IoT wastewater monitoring and treatment systems provide tech friendly, sustainability minded municipalities, industries, and environmental rehabilitation agencies easy to use and install wastewater monitoring and treatment systems. The cost-effective systems have minimal maintenance requirements through trusted plumbing and electrician partners, or your own staff that receives maintenance certification. PODFlush reduces the negative impact of water pollution and freshwater supply reduction to homes, businesses and the environment. Unlike existing alternatives, WLS provides a technologically advanced and scalable water treatment solution that will make it easy for customers to adopt a sustainable, pollutant free water lifestyle that will conserve water at reduced utility costs.

Proprietary components include, but not limited to:

- **Autonomous Water Monitoring System** *(wifi/satellite networking; proprietary **COVID-19/pathogen**, phosphorous, and other digital sensors)*
- **Ozone Generation System** *best-in-class methodology)*
- **Electrocoagulation System** *(Specialized materials for extended operational life)*
- **Antimicrobial Foam Filter** *(the viscosity of ceramic, with no fragility)*
- **Phosphate & Nitrate Removal** *(custom levels for multiple applications)*
- **Micro-Plastics & Toxic Chemicals Removal** *(for full decontamination)*
- **Modular Mechanical Design** *(for onsite system add-ons and easy maintenance)*
- **Plug-n-Play Systems**
- **Modular Washrooms**
- **Custom Solar Power**
- **Scalable Systems**

Key Milestones Achieved

JAN 2016 – Smart Waters, Canada formed with proprietary water treatment, monitoring and saving solutions.
JUN 2016 – Wisconsin Water Council partners with Smart Water with equity investment
JAN 2018 – Afrisoul, a South Africa business, partners with Smart Waters for continued development of clean water solutions.
JUL 2018 – Development of water treatment with ozone generator and foam filtration design
MAY 2019 – University of Wisconsin Milwaukee partnership for water monitoring designs including phosphate and heavy metal.
OCT 2019 – Materials Transfer Agreement signed with UW-Milwaukee for digital phosphorous sensor commercialization
OCT 2019 – Pilot project acceptance signed with Dale, WI Sanitary District No. 1
DEC 2019 – Commitment from WDNR Head of Storm Water Drainage, Ben Benninghoff, to monitor and advise on WLS pilot projects and facilitate general DNR project accommodation and assistance.
JAN 2020 – Letter of Interest for Decentralized Zero Sludge Wastewater Treatment System pilot project from Durban, South Africa Water & Sanitation agency
FEB 2020 – Letter of Interest for Biological & Physiochemical Digital Monitoring System pilot project with North West province, South Africa municipalities
APR 2020 – Pilot projects acceptance for: First Nations Canada ISO 30500; BC, Canada municipal drinking water; BC, Canada surface and aquifer water monitoring and treatment
MAY 2020 – USA & Canada COVID-19 sensor prototype/pilot projects; Letter of Interest for Decentralized Zero Sludge Wastewater Treatment System pilot project from Nigerian Red Cross Society and Voice of Orphans Africa & Diaspora (VOADI)

WLS seeks equity investment and other business growth assistance from the right partners. Details provided as requested.

"We work cooperatively with allied organizations concerned about responsible water use and public health."