

Hydromantis

Environmental Software Solutions, Inc.

Company Overview

Hydromantis Environmental Software Solutions, Inc. traces its roots back over 26 years as the global pioneer in the development of water and wastewater simulation technology. Based in Hamilton, Ontario, Canada, Hydromantis' team of engineers and industry experts offer specialized consulting for treatment plant modelling, design and optimization to clients throughout the world. Our technology sets the industry standard and we leverage the value of our broad, hands-on experience with our world class modelling tools to offer inventive yet realistic solutions.

Expert Modelling Services

Hydromantis provides strategic and tactical consulting. Our domain expertise is in wastewater modelling which adds value to design, commissioning and optimization for energy reduction and performance excellence. Our advanced process modelling capabilities can take the uncertainty out of critical wastewater design and operational decisions. We are specialists in wastewater treatment for municipalities and industrial clients and our engineers weld their expertise in simulation and optimization modelling with in-depth experience and knowledge of plant operations and design practices.



Software Solutions

Hydromantis Environmental Software Solutions, Inc. is the global leader in water and wastewater treatment simulation software and the developer and owner of several of the most popular software solutions within the industry including GPS-X™, Toxchem™, CapdetWorks™, SimuWorks™ and WatPro™.



We offer our customers a unique blend of consulting engineering, software, and technology transfer services to provide quality solutions that are cost effective and innovative.



Expert Water & Wastewater Treatment Modeling Software & Services

Hydromantis Environmental Software Solutions, Inc.

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Software

GPS-X is the most advanced tool available for the mathematical modeling, simulation, optimization and management of wastewater treatment plants. The user-friendly drag and drop interface and comprehensive database of unit processes allows users to quickly and easily assemble a treatment plant model, enter characterization data, and run simulations.

GPS-X was the first commercially released dynamic wastewater treatment plant simulator and still remains the solution of choice today.

The logo for GPS-X, featuring the letters 'GPS-X' in a bold, blue, serif font with a white outline and a trademark symbol (TM) to the upper right.

CapdetWorks is the industry's only software tool for fast and accurate preliminary design and cost estimation of wastewater treatment plant construction projects. Simply drag-and-drop unit processes to build a plant schematic with CapdetWorks and it will design the plant and estimate the costs to build, operate and maintain the facility.

The logo for CapdetWorks, with 'CAPDET' in a blue, outlined, sans-serif font and 'Works' in a blue, outlined, serif font below it, all set against a grid background with a trademark symbol (TM) to the upper right.

Toxchem is the most reliable and user-friendly software solution for estimating and reporting air emissions and contaminant fate during wastewater collection and treatment. Eliminate high-risk complex spreadsheets and costly laboratory analyses for monitoring programs by putting Toxchem to work instead.

The logo for Toxchem, with the word 'TOXCHEM' in a bold, blue, italicized, sans-serif font with a white outline and a trademark symbol (TM) to the upper right.

SimuWorks is an industry first - a flight-simulator for water and wastewater treatment plants. Leveraging the proven technology of Hydromantis' GPS-X. Utilizing real-life SCADA and information system interfaces, SimuWorks presents views and functionality familiar to operators and administrators alike in a platform that accurately simulates the behavior of a specific plant.

The logo for SimuWorks, with 'Simu' in a blue, outlined, serif font and 'Works' in a blue, outlined, serif font below it, with a yellow horizontal bar behind the 'u' in 'Simu' and a trademark symbol (TM) to the upper right.

WatPro is the premier software package for simulating the disinfection process in drinking water treatment. WatPro simulates microbial inactivation by chlorine, chloramines, chlorine dioxide, and ozone. Integration of WatPro with a plant's SCADA system creates the Online Disinfection Manager, the state-of-the-art in real-time monitoring of microbial inactivation and disinfection by-product formation.

The logo for WatPro, with the word 'WATPRO' in a bold, black, sans-serif font and a small icon of a water drop with a question mark inside, and a trademark symbol (TM) to the upper right.Small version of the GPS-X logo.Small version of the CapdetWorks logo.Small version of the Toxchem logo.Small version of the SimuWorks logo.Small version of the WatPro logo.

Hydromantis offers expert consulting for treatment plant modelling, design and optimization and is the developer and owner of the industry's most popular modelling and simulation software including: GPS-X, Toxchem, CapdetWorks and WatPro.

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