



Datastream 7i



“Datastream 7i is the only product we evaluated that either met or exceeded every one of our requirements. Now, we can automate and expedite work orders and cost-effectively allocate resources to better serve the citizens of Niagara.”

Joe Gouthro,
Manager of Technical Trades,
Regional Municipality of Niagara

Water & Wastewater Management

Cities around the world face aging infrastructures, as pipelines deteriorate with each passing year. As pressure from the EPA and other regulatory agencies increases, water and wastewater organizations face the challenge of implementing a plan to maintain, replace or refurbish pipelines and plant assets that have limited or no documentation.

With large fines looming on the horizon and public health concerns in the news, water and wastewater managers increasingly turn to GIS and asset management solutions to help identify asset location and condition in the ground and in their facilities.

Datastream 7i offers the features that water and wastewater management teams require to maintain their assets while offering superior customer service and meeting strict environmental regulations. Datastream 7i helps water and wastewater operations:

- > Use preventive maintenance to reduce emergency work orders
- > Perform inspections to save time and help regulatory reporting
- > Shorten response time and increase customer satisfaction
- > Increase efficiency and control costs
- > Predict and prioritize work
- > Leverage existing enterprise systems
- > Comply with government regulations, such as those set by the EPA

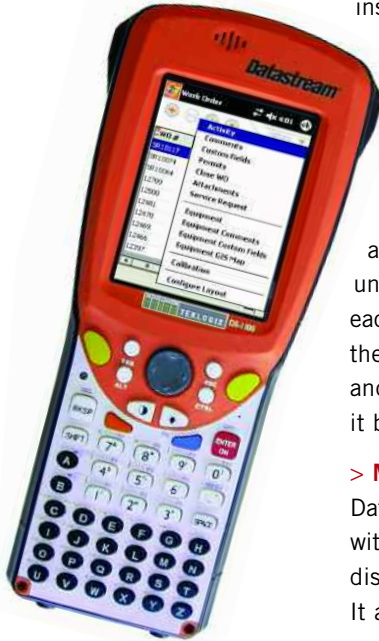
Features

> **Preventive Maintenance:** reduce emergency work orders and avert catastrophes. What impact does preventive maintenance have? Take the example of a wastewater pipe that bursts. The results can include service being out for a specific region of customers, raw sewage seeping into the groundwater, streets closing, sending all available personnel to clean the mess and repair damage, and EPA violations accompanied by hefty fines. Not to mention the impact it has on nearby homes and businesses that are forced to shut down. Citizen satisfaction and tax revenue plummet.

Water and wastewater managers must prevent that pipe from bursting in the first place. For example, the pipe could have been wearing thin over time, creating a weakness, which would have been undetected if it had not received regular maintenance. However, a scheduled maintenance plan can help identify weaknesses and avert the expense and health risks incurred by the scenario described above.

With preventive maintenance (PM) management, Datastream 7i allows users to create PM tasks based on a fixed date, flexible time period, or meter usage. Users may incorporate routes with a PM task to service multiple assets that share similar PM requirements under a single work order. Datastream 7i can automatically adjust PM schedules to compensate for early or late PM work accomplishment.

Preventive maintenance makes a difference in every day operations, not just in emergency situations. By using PM to be proactive, water and wastewater utilities save on the costs that come with increased man hours and overtime pay associated with reactive and emergency maintenance.



> **Inspections: save time and facilitate regulatory reporting.** In Datastream 7i, regular inspections such as pre-defined routes can be rolled into preventive maintenance to ensure that water and wastewater systems are running at peak efficiency and safety. What's more, inspection results can trigger an automatic work order, saving critical time and increasing accuracy throughout the process. Whether performing inspections within the plant or on collection systems, hydrants and manholes in the field, Datastream 7i enables a more effective and accurate process. For example, a routine inspection is performed to check the ratio of effluent solids in the mixture at a water treatment facility. If the measurement shows that the mixture is nearing unsafe levels, a work order is immediately created to correct the imbalance containing each critical step needed to correct the imbalance and avoid contamination. All the while, the water treatment facility has documentation to show that the inspection was performed and corrective action was taken—documentation that will satisfy a regulatory audit, should it be necessary.

> **Mobile or Wireless Connectivity: shorten response times and improve customer service.** Datastream 7i Mobile provides a robust, mobile version of Datastream 7i that functions with or without network connectivity. This enables workers to roam between connected and disconnected environments without having to worry about losing application performance. It also means they can access, capture, and manage information directly from the job site, resulting in higher productivity and more effective decision-making.

> **Geographical Information System (GIS): increase efficiency, track assets more closely.** Datastream 7i integrates seamlessly with ESRI ArcGIS, creating a powerful asset

management solution that enables water and wastewater managers to easily pinpoint geographically-dispersed and underground assets, including linear assets such as pipes, on a map. Datastream 7i allows organizations to capitalize on information in the existing GIS, providing a flexible and comprehensive GIS and asset management solution.

The ability to locate assets visually and create work orders for preventive maintenance and inspections directly in the GIS increases efficiency and lowers costs. For example, field technicians spend a large portion of their time traveling back and forth across the city performing maintenance at multiple locations. The capabilities of the GIS integration module help optimize the workday by planning a more efficient route to designated locations based on scheduled work orders, thereby reducing drive time and increasing the efficiency of the city's labor work force.

Locate Assets Requiring Work



Users easily locate assets on a map and take action, such as creating a work order.

> **Linear Asset Management and Dynamic Segmentation: control costs and increase maintenance accuracy.** Water and wastewater management and collections operations rely heavily on linear assets such as piping networks. The linear assets module in Datastream 7i enables users to define an asset in terms of linear reference details like length, unit of measure, and geographic reference. This is helpful because users can write work orders against any portion or point on that asset by specifying to and from points. For example, when a portion of a pipeline needs to be replaced, the cost and work involved in that repair is attributed to the specific portion of the pipe rather than the entire line. This allows more accurate analysis and maintenance of the linear asset.



Datastream 7i also enables dynamic segmentation from within the linear asset feature, meaning that if a technician working on the line discovers that the repair is required in a larger or smaller area than anticipated, he can easily change the segment where work should be performed. The work order is adjusted and the costs and work are assigned to the correct segment.

Datastream 7i Analytics



Using Datastream 7i Analytics to make projections for asset deterioration, to prioritize maintenance activities and properly budget funds for future infrastructure requirements.

“The integration of ESRI-based GIS functionality into Datastream 7i gives municipalities the ability to improve efficiency and reduce costs associated with maintaining geographically distributed capital assets.”

David Wieseler,
Director of Business Partner Programs,
ESRI

> **Datastream 7i Analytics:** use business intelligence to project and prioritize. One of the greatest challenges facing a municipality today is long-term budgeting. Water and wastewater utilities, like many organizations, capture large amounts of data. To maximize the data's true value, organizations need to use that information to gain a real-time perspective on what is going on within the operation, to recognize trends and to make better-informed decision about the future. With Datastream 7i Analytics, organizations can not only analyze the maintenance data captured by Datastream 7i, but they can also import data from other enterprise or process control systems to draw correlations from seemingly disparate data sources. Using multiple sources of data helps water and wastewater organizations leverage the data they already have to make projections

for asset deterioration, to prioritize maintenance activities and properly budget funds for future infrastructure requirements.

> **Integrate Seamlessly with Existing Systems:** make the most of what you already own.

Datastream 7i integrates easily with existing application information to create one seamless solution. All information stored in and/or linked to Datastream 7i can be accessed anywhere, at any time via a Web browser or a handheld device. What's more, an integration strategy was built specifically to support the ASP hosted environment and Web services framework. Because Datastream 7i is fully Web-architected, it integrates easily with other enterprise applications through Web services. That means that Datastream 7i can dynamically exchange information from corporate applications such as accounting, ERP, or human resources using a common language and minimized custom programming.

> **Easy-to-use Interface:** a user-friendly application encourages rapid user adoption.

Datastream 7i delivers an easy-to-use and easy-to-configure, zero-footprint HTML interface. The browser interface of Datastream 7i allows even users without programming knowledge to access asset management functionality, high-end analytics information and key performance indicators. This interface option provides even casual users with a very simple and easy-to-use experience, reducing the amount of training required and increasing user acceptance of a standardized asset management application.

> **Comply with Federal Regulations:** knowledge of the industry makes all the difference.

Datastream 7i helps water and wastewater managers adhere to reporting regulations such as GASB 34, NPDES, and CMOM. Datastream 7i was built this regulated sector in mind and provides a solution that will maintain compliance with the EPA and applicable federal and state water and wastewater regulations and employee certification. And Datastream 7i includes the ability to calculate and display depreciation of assets. Having detailed asset tracking and depreciation information for potable water assets readily available provides support for the Federal Safe Drinking Water Act of 1997.



Datastream 7i reinforces a strong commitment to the water and wastewater industry. Datastream software was originally created in 1986 to serve water and wastewater utility customers and is committed to the water treatment, collection and distribution industry. Datastream 7i incorporates quality practices centered on asset performance management and reliability centered maintenance and includes features specific to the water and municipality sector.

Services & Support

Infor offers a range of services to help its customers properly plan, design, and implement its products so that asset management objectives can be achieved. The Infor EAM Professional Services group consists of project managers, consultants, and trainers who are experienced in helping customers identify and track key performance metrics to successfully run their operations. From this, the Professional Services team will guide your implementation to ensure that specific reporting, KPI, and metrics are established. The Infor EAM Technical Support team consists of well-organized, highly trained support analysts who are experienced in providing timely solutions to support issues in an efficient manner. The support department provides 24x7 telephone support, as well as product updates and enhancements. Both of these groups ensure that the customer's software application is more than just a tracking tool, but also a business management tool.



13560 Morris Rd.
Suite 4100
Alpharetta, GA 30004
1-800-260-2640



www.infor.com

Copyright © 2001-2006 Infor Global Solutions and/or its affiliates or licensors. All rights reserved. The Infor word and design marks are trademarks and/or registered trademarks of Infor Global Solutions or one of its affiliates. All rights reserved. All other trademarks listed herein are the property of their respective owners.

INFPB_DWWWGEENUS_0106-1