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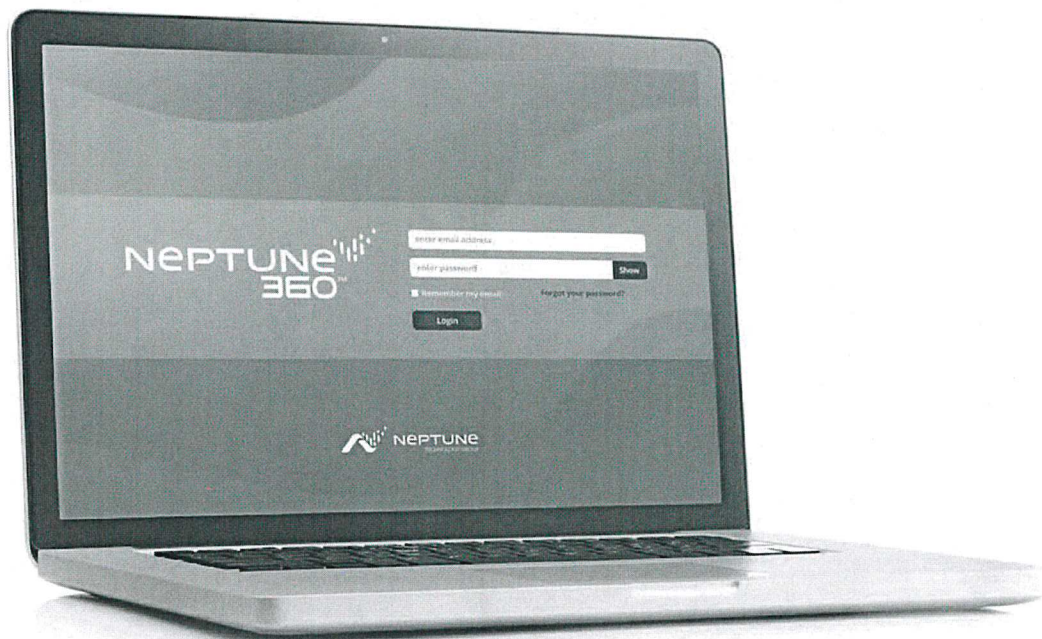
Customer Number	Telephone	Fax	Job Location	Job Name	Territory Manager	
COPE7	(315) 628-4229	(315) 688-2216	Copenhagen NY	N360/MRX	Jim Pierce	
Expires	Estimated Delivery	Freight		Terms	Master Number	
03/22/2022	4-6 Weeks			NET 30	337240	
Item Number	Description			Quantity	Price	Extension
N360AAMRSETUP	Neptune 360 Advanced AMR Set-up Fee (One-Time Fee) Shipping direct from vendor			1	\$4,527.00	\$4,527.00
N360AAMR250	Neptune 360 Advanced Module Annual SaaS Subscription for AMR (1 - 250 Cust) Per Endpoint Per Year Shipping direct from vendor			1	\$1,249.95	\$1,249.95
MRX920V4	Neptune MRX920 Mobile Data Collector V4 With RF Data Logging Feature			1	\$10,832.90	\$10,832.90
Quoted By:		Ryan Hourihan				
				Subtotal		\$16,609.85
				Other Charges		\$0.00
				Tax		\$0.00
Visit our website @ www.tisales.com				TOTAL DUE		\$16,609.85

If you are in agreement with this quote and wish to order, please sign, date, and fax back to 978-443-7600 or email us at orders@tisales.com

Signature: _____ **Date:** _____

Neptune[®] 360[™] Data Management Platform

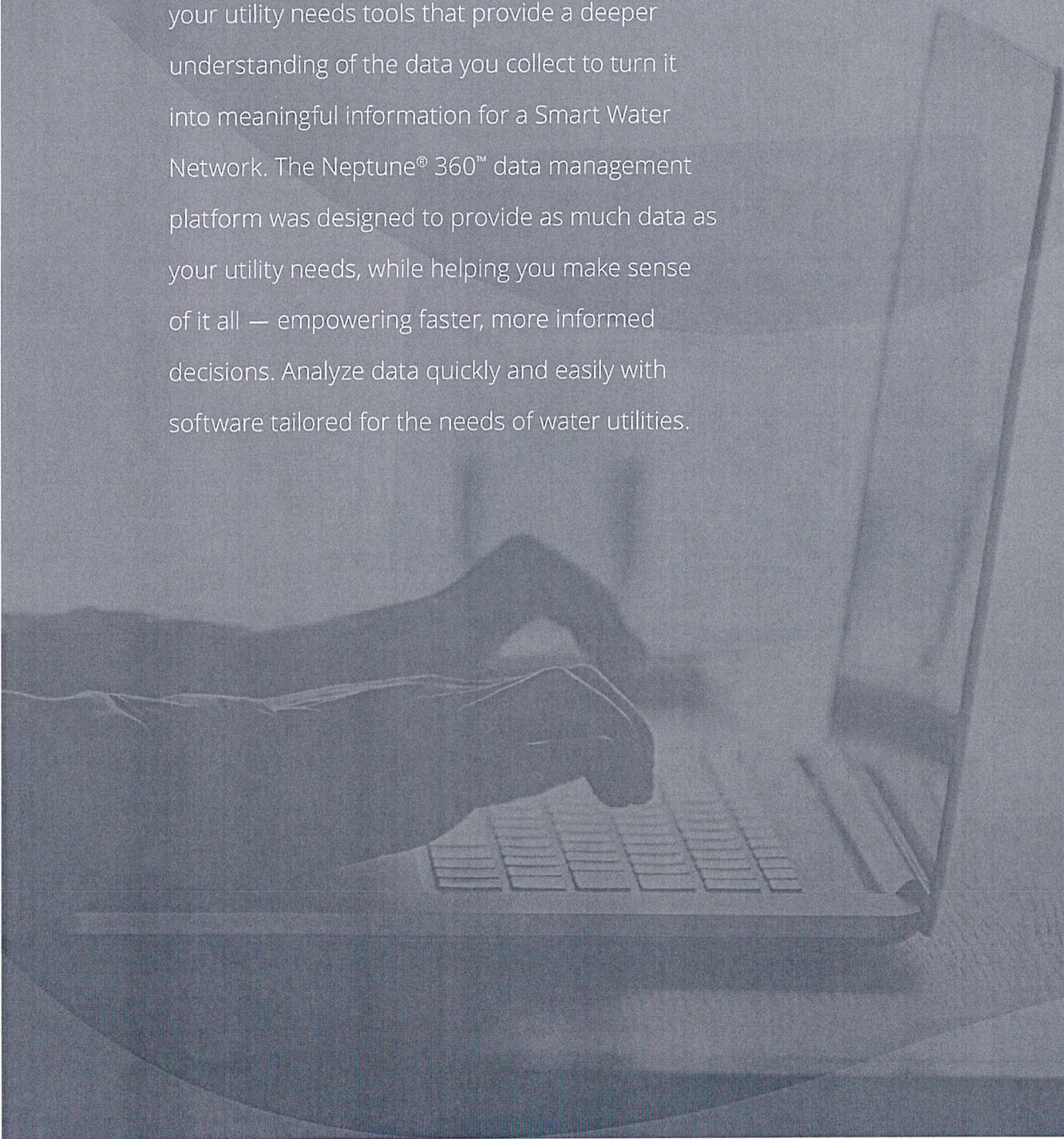
A Product of Neptune Technology Group





Turn Information into Action

Data is just data unless you can use it effectively. To go beyond basic meter reading and billing, your utility needs tools that provide a deeper understanding of the data you collect to turn it into meaningful information for a Smart Water Network. The Neptune® 360™ data management platform was designed to provide as much data as your utility needs, while helping you make sense of it all — empowering faster, more informed decisions. Analyze data quickly and easily with software tailored for the needs of water utilities.



Putting Your Data in View

Having the data is one thing, seeing the data and making sense of it is another. Neptune 360 delivers an intuitive, user-friendly design, making the data clear and easy to interpret. Examining your entire AMI network using system-wide Key Performance Indicators and geographical views assists with identifying areas of concern and finding ways to maximize operational efficiencies.

Quickly access a dashboard view of your largest water consumers, providing you with information needed to take action. Analysis of individual trends and usage patterns helps resolve customer service calls with confidence. Detailed reporting of consumption activity, potential leaks, and reverse flow will keep you ahead of issues that could impact your utility's revenue.



Lift Your IT Burden with a Cloud-Based Solution

Boost utility efficiency with Neptune 360. No longer install servers or perform upgrades. All that is needed is an Internet browser. Just log on to access anywhere at any time.



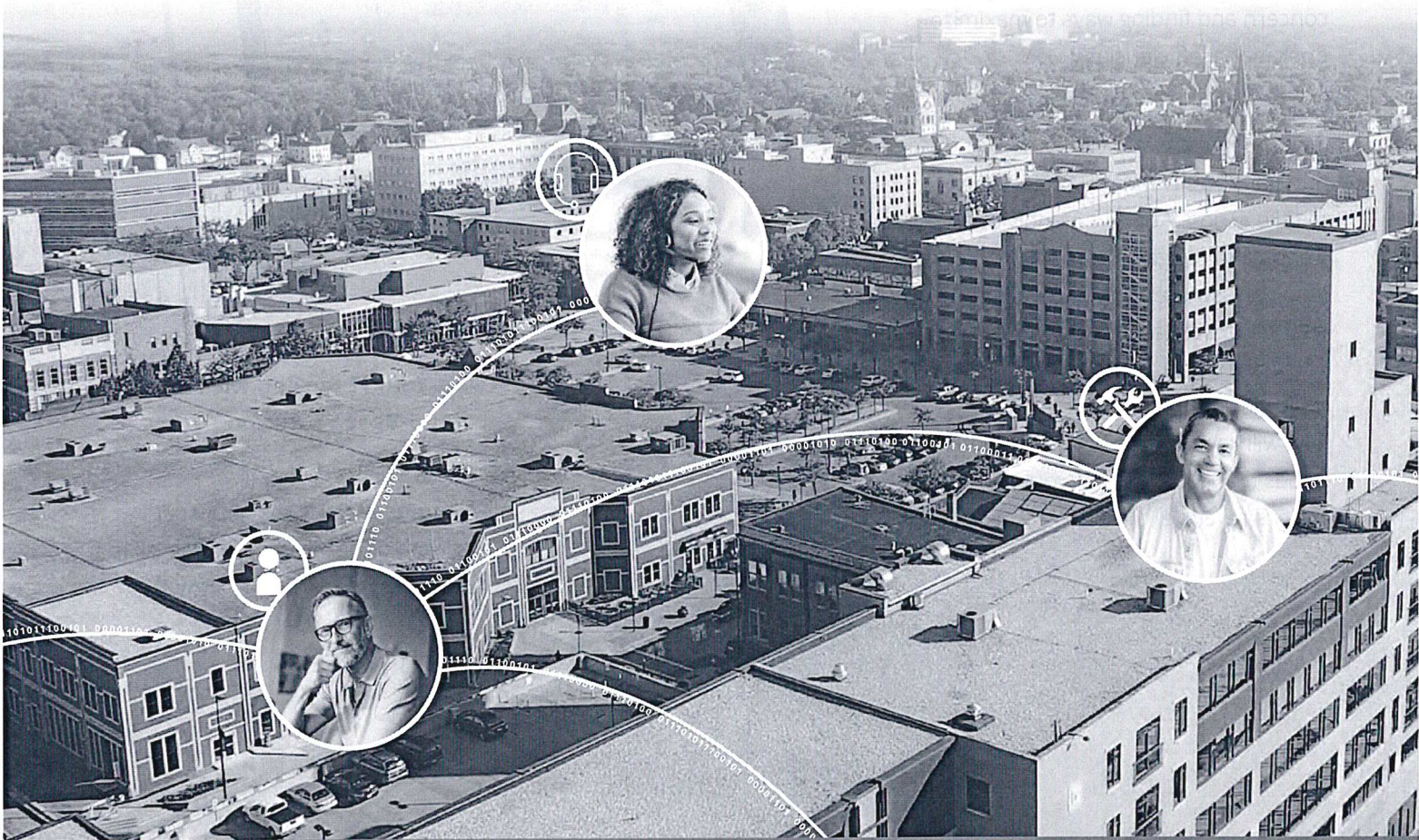
A True Sense of Security

Ease your security concerns and stay focused on the business of water. Continuously-monitored Neptune 360 operates from a world-class data center, providing the highest level of security, redundancy, and disaster recovery services.

Share Information Across the Smart Water Network

Your management, maintenance, customer service, water quality, and other departments all need fast, easy access to information. Share and leverage actionable data captured by Neptune 360, empowering

collaboration and helping predict impacts on your utility. The platform seamlessly integrates meter data, event data, and alerts directly with third-party work order systems, customer portals, hydraulic modeling applications, and other systems through Application Programming Interfaces (APIs).



An Application that Grows as You Grow

From mobile meter reading today, to moving to an AMI network tomorrow, the same software platform is utilized. Apply trend analysis in rate structure planning and usage initiatives. The modular-based platform makes it easy to turn on new features as your needs evolve, bringing you critical data to proactively plan for tomorrow.



Trust the Data

Data accuracy and dependability matter. By implementing the highest-level architecture, Neptune ensures data integrity with processes and tools to maintain quality from the meter to the platform as part of routine business operation.

NEPTUNE 360™

Analyze and share meaningful data with a platform that empowers utilities. Actionable insights help you achieve your goals and objectives.

METERS MATTER

Stream critical actionable data right into Neptune® 360™.



WALK-BY DATA

Sync collected data easily.



FUTURE PROOF AMI

Connect AMI network data.



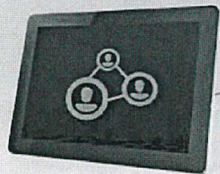
MOBILE

Incorporate mobile data collection.



BRING YOUR OWN DEVICE

Eliminate specialized devices and communicate efficiently.



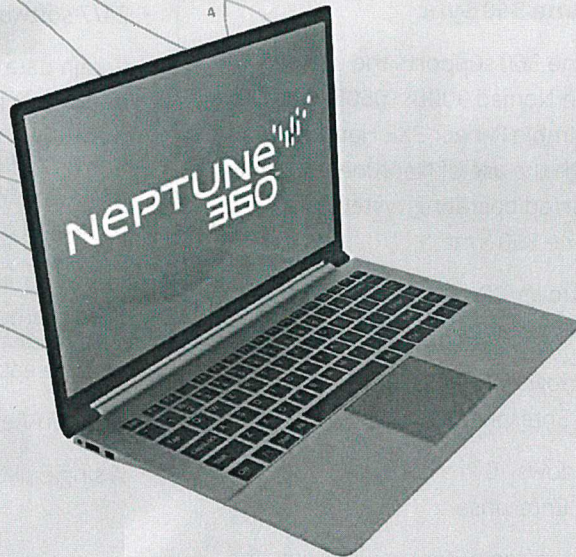
THIRD-PARTY SOFTWARE

Link data with third-party applications (such as CIS and Esri).



CUSTOMER RELATIONSHIPS

Streamline utility data management and provide exceptional customer service.



- + ACT QUICKLY
- + PLAN FOR THE FUTURE
- + MANAGE GROWTH



Specifications

Neptune 360

- Google Chrome and Microsoft Edge web browsers supported
- When using touch screen monitors, Neptune recommends Microsoft Edge web browser for optimal viewing and performance

Neptune 360 Mobile

Neptune 360 Mobile supports Android, iPhone, and iPad devices running the following operating systems:

- Android:
 - Recommended device manufacturers: Samsung, Nexus, or Motorola
 - Supported OS Versions: 5.1 – 11
- iOS:
 - Versions 10.3.1 – 15

Neptune 360 Sync

Neptune 360 supports the use of Trimble Nomad 900B, 1050B, 1050LE, and Trimble Ranger 3XE Handheld through the use of Neptune 360 Sync. Supported operating systems for Neptune 360 Sync:

- Windows 7 Professional and Enterprise
- Windows 8 Professional and Enterprise
- Windows 10 Professional and Enterprise

Minimum computer requirements for running Neptune 360 Sync:

- Processor: Intel® Core™ 2 Duo 2-gigahertz (GHz) or faster processor
- Memory: 4 gigabytes (GB) of RAM
- Hard disk drive: at least 1.5 GB of available space on the hard disk

Neptune® 360™ Mobile

Neptune 360 Mobile provides direct communication via wireless from the field without the need to bring your mobile device back into the office, yielding data on demand for more efficient customer service. Other application capabilities include RF Test, Off-Cycle Read, and Data Log to capture 96 days of hourly historical consumption — addressing customer issues faster.

Bring Your Own Device to Field Operations

Save money and time with Neptune 360 Mobile — use your utility's existing Android or iOS cell phones or tablet devices to perform meter reading. Pair with a Neptune R900® System belt clip transceiver or mobile data collector and expand your field device options when performing re-reads, reading monthly routes or even responding to high water bill complaints.

Neptune® 360™ Benefits

- Neptune-managed system with no installation required
- Cloud-based solution in a world-class data center with the highest level of security and disaster recovery/redundancy
- 24/7 software system monitoring
- Retain data ownership in a system designed exclusively for water utilities
- Integrate and access Data Analytics across departments — helping your utility achieve goals and objectives
- Identify potential leaks, excessive consumption, and reverse flow to proactively resolve issues faster
- Migrate easily from mobile to fixed network
- Aid Non-Revenue Water reduction, conservation, and rate planning
- A single platform across devices that can be accessed anywhere at any time

96

days of hourly
historical
consumption



neptunetg.com
#winyourday

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Translating Data Into Action to Improve Utility Operations

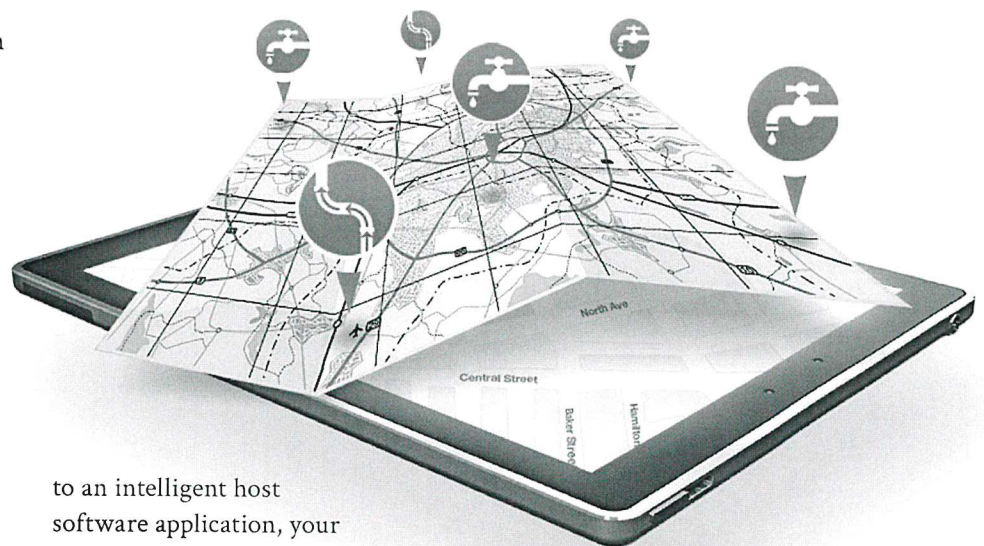
A WHITE PAPER BY NEPTUNE TECHNOLOGY GROUP INC.

MANAGE YOUR DATA

Today's water utilities are faced with ever-increasing pressures – on their water supply, their efficiency, their workforce, their infrastructure, and their bottom line. However, even if the needs felt by utilities are common, your utility's solution must be tailored to meet your needs. It must improve your customer service and your customers' experience. Whatever path you choose, the answer begins with data.

Utilities now have access to myriads of data. But it's crucial to make all that data work for you, and not the other way around – with automatic meter reading (AMR) and advanced metering infrastructure (AMI) systems that empower your utility to not just simplify data collection, but also to go beyond basic meter reading and billing, analyzing data at the source and turning it into actionable information for every department.

An absolute must is an absolute encoder register, preferably one that can analyze detailed usage data at the meter in monthly, daily, or hourly intervals. Even better is an absolute encoder that flags leaks, backflow, and days of no flow. When this data is logged by the hour and transmitted



to an intelligent host software application, your utility can graph individual account consumption history and consumption anomalies. Tracking usage patterns through data logging while receiving alerts helps identify and resolve your customers' water-related issues quickly and easily. With simplified access to consumption information as well as possible leaks, you can proactively inform customers of high water consumption to head off high bill complaints, reduce delinquent payments, and eliminate write-offs.

Your host software application plays a crucial role in creating a smart water network across your utility. By streamlining data collection, simplifying operations, and enabling more proactive response time, your

host application can allow your utility to do more with less, providing the flexibility to reallocate staff to different departments or adapt to changes in your workforce over time.

Using host software analytics, you can create key performance indicators (KPIs) of system and asset conditions, and view them geographically on a dashboard screen via GIS maps. If the application is equipped with a customizable reporting engine, you can readily modify existing reports or generate new ones for specific functions, then schedule them to run whenever you need them.

Plus you can do even more – for instance, balance water produced against water consumed. Analyze customer usage profile data to resolve disputes as well as support water conservation initiatives. Compare water consumption among similar groups of accounts for District Metered Area (DMA) analysis. Making sense of the data makes it possible to manage Non-Revenue Water and transform customer service.

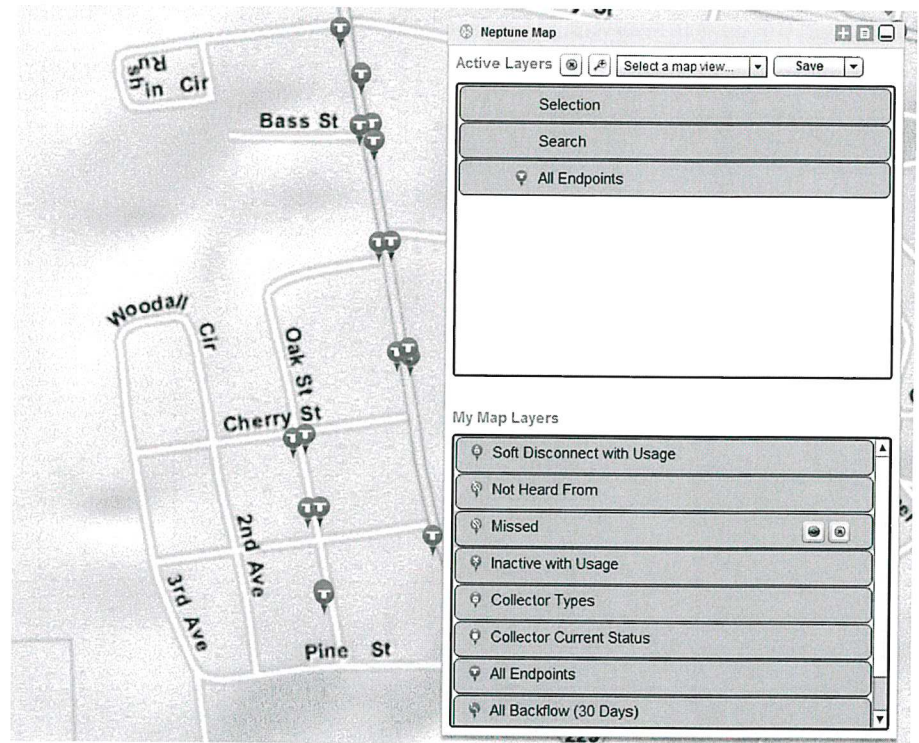
OPTIMIZE YOUR UTILITY OPERATIONS

When it comes to managing operations and resources more effectively, your utility must do the most with existing resources – whether budgets, physical infrastructure, workforce, metering hardware, information systems, and of course, water itself. And all the while, your customers expect increased transparency and accountability.

Automating and streamlining processes goes a long way towards these goals, helping improve system monitoring, boost asset performance, and help your workforce be more efficient in their jobs, saving your utility time and money. It also gives you and your customers confidence in your metering and their bills, as automation reduces human error (such as transposed reads), while reducing or eliminating estimated meter readings.

As part of an automated system, advanced host software enables you to monitor and assess the condition and performance of your utility's assets, helping to maintain and enhance them over the long term at the lowest possible life cycle cost.

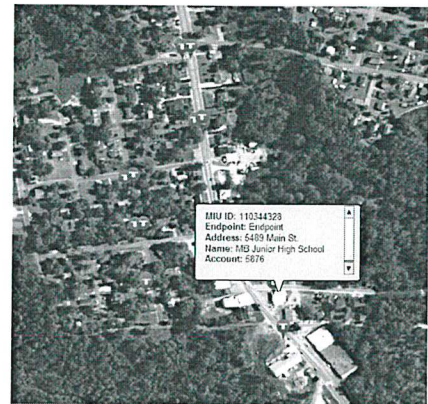
Through automatic priority alarms for leaks and backflow, your utility personnel can be emailed warnings



to help prevent customers' high bills as well as main breaks and contamination events. You can also collect data from water quality monitoring sensors that support contamination warnings, addressing sanitary and/or combined sewer overflow (SSO/CSO) concerns by transmitting critical overflow conditions before they occur.

When you augment smart host software with a cloud-based analytics application, you can store and access years' worth of daily and hourly metering data, thousands of times the information you'd get through quarterly or monthly reading. Analyze this vast amount of data to make better decisions in the short term as well as identify historic trends for better budgeting and planning.

You can take district metering analysis further to see how to lower water treatment costs, pumping expenses, and other operating costs while generating additional revenue. Analyze daily water budgets to help your customer service team



Intelligent host software with GIS mapping allows water utilities to more proactively zero in on possible leaks, backflows, and other system conditions.

educate customers about how they use water. Configure and share water usage graphs and reports, as well as alerts for leaks, consumption beyond predetermined levels, and unintended usage. Or have your customers take more control of their own consumption, by providing the option of self-service web presentment so that they can monitor and manage their own usage, and possibly adjust their consumption behavior.

CONNECT AS A SMART WATER NETWORK

As part of a smart water network, your AMR or AMI system can't operate in a vacuum. Management, maintenance, customer service, water quality, and your other utility departments all need fast, easy access to information for your utility to run smoothly. To make it simple, today's AMR/AMI software can support interoperable, enterprise-level, real-time data sharing (via web service APIs) to other utility software applications across departments, leveraging the knowledge of your personnel.

Knowledge is the power that drives a water utility's operational efficiency. A real-time, predictive application at the enterprise level allows your utility to turn AMI, GIS, customer information system (CIS), supervisory control and data acquisition (SCADA), hydraulic modeling, water quality, pressure management, and other data into information they can use immediately. Now field personnel – and those they communicate with back at the office

– can assimilate the right information and the right resources in the right place at the right time. Multiple sensors across the network feeding data into intelligent, analytical, interoperable software help identify which valves need turning off when, what work crews are already in the area to avoid another truck roll, and even likely outcomes of actions in the field.

By sharing timely, critical data, you can reduce operational expenditures across your utility, you can reduce bad debt costs, and improve long-term planning to better manage future capital costs.

Leveraging historical metering data to provide predictive analytics enables your utility to invest capital dollars where they'll have the greatest positive impact on infrastructure. At the same time, you'll be saving money, as fully-hosted, cloud-based applications of this type can also significantly reduce your infrastructure costs as well as your need for training or IT resources.

PROTECT YOUR ASSETS

Ideally, the data solutions that meet your utility's individual needs should work with the existing assets you already have in place. The system you choose today to provide mobile AMR for monthly reading should still allow you at some future date to implement fixed network AMI with detailed hourly readings and alerts – any time you're ready. Likewise, adding host software and more advanced analytics applications should be just as easy.

With today's migratable technology, your utility can pick and choose components within a common system for walk-by, mobile, or fixed network data collection. And within a unified software platform, each component works together with others to perform as a harmonious system. With an AMR or AMI system such as the Neptune® R900® System, when gathering data, there's no need to change "modes". Your utility can read rural routes via mobile or crowded city blocks via fixed network, without site visits, remote programming, or any type of reconfiguration of the MIU.

Which of the system's features your utility chooses to deploy, as well as when, are purely business decisions, with no technology barrier as your needs change. Even if your utility is only using walk-by or mobile reading methods now, the right system can allow you to migrate to mobile or even fixed network meter reading in the future, all using the same endpoints in the field. You can adopt new, advanced technologies without stranding assets, maintaining backward compatibility while enabling forward innovation – at your own pace. That's data that works for you.

For technology that works for you, learn more about the Neptune R900 System at neptunetg.com and connect to what's next in water.



