

Operations & Maintenance

Data Management
Software Solutions



Antero™ maintenance

Operator10® wastewater

Operator10® water

Synexus™ pretreatment

A Message from our President

Russell Maxwell

When I started AllMax in 1994, I had been working in the wastewater industry for nearly 10 years. I understood the complexity of the records that water professionals are required to maintain, and had used various software programs to track my data. Operator10 is designed as a solution to the data management and reporting issues that water and wastewater professionals face in their day-to-day job duties. Over the years, we have added the pretreatment and maintenance lines to offer a complete operations and maintenance suite of solutions. Our software can also be used alone, based on the needs of the user.

In addition to providing dependable software solutions that meet your needs, we make customer service a priority, and our approach to business comes from our deep-seated Midwestern values. We know that satisfied customers are loyal customers. We do everything we can to make it easy for you to do business with us.

Thank you for allowing us the opportunity to work with you, and to help you determine if our products and services will be solutions to your data management issues and concerns.

Sincerely,



Account Managers

Dedicated to Serving You

Our friendly and knowledgeable sales team will be glad to assist you. They specialize in matching your needs with our solutions. Your account manager will be your primary point of contact with AllMax, and will help answer any of your questions.

“At AllMax, we don’t just develop software, we build relationships. Clients are treated as partners. From development suggestions to quality control, a positive and collaborative customer experience is the foundation of every AllMax product.”

-Chase Clements, Sales Lead

Mission

The mission of AllMax Software is to provide and support data management solutions designed for maintenance, wastewater, water and pretreatment professionals.

Defining Solutions

- *Software that meets the needs of our clients and is easy to use*
- *Development based on client feedback, industry trends and user-friendliness*
- *Support that is timely, helpful and is available through a variety of channels to enhance accessibility*
- *Technical services and accessories that support and increase the value of our products to customers*
- *Efficient customer service*

Company Profile

Field-Proven Data Management Solutions

AllMax Software delivers high-performance, user-friendly operations and maintenance data management solutions for water, wastewater, pretreatment, biosolids and industrial applications. A wide range of product, service and purchase options enables us to address the unique needs of plants and facilities of all types and sizes around the globe.

With a philosophy that the customer comes first, our software design team and supporting staff are dedicated to maintaining a reputation of excellence in product, service and image, and to providing the tools needed to maximize job and plant performance. Product research and development - driven by customer feedback - is continuous as we strive to stay ahead of customers' needs and industry and regulatory requirements.

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Antero™ Maintenance Data Management Solutions

Antero™ accurately tracks your maintenance data, allowing you to streamline your maintenance program to save time, effort and money - all while giving you the peace of mind that your equipment is being maintained efficiently and effectively. Antero combines all the features that you want and need in a computerized maintenance management system (CMMS).

Maintenance managers have shared with us that one of their primary concerns is always "making sure that the work got done." With Antero, not only can you schedule preventive maintenance tasks to create your work orders, but you can also track when the work is completed. This includes detailed information on when the work was scheduled, when it was completed, labor, parts and more.

Features & Benefits

Dashboards

The dashboard feature enables users to create customizable views with access to a calendar, hotspots, and data summary containers. The calendar provides the user with another way to view scheduled, open, and delinquent work orders. Containers give the user a visual status of summary data in the form of Gauges, Graphs, and link external files to hotspots.

Equipment

Setup and track an unlimited amount of equipment or assets that can be toggled as 'In Service' or 'Out of Service'. Attach Parts, Meters/Gauges, external documents and images, or create customizable fields to give the user an array of options to better define a piece of equipment.

Parts

Add your parts and materials to optimize tracking of inventory, stock locations, cost, and vendors for each part. Parts can be set to Tracked, Untracked, or a Tool for specific control of inventory counts.

Template Builder

Create, schedule, and complete work orders from the Template Builder section. Schedule preventive maintenance work orders by Interval (days, months years), Calendar, or by Meter or Gauge. Add up to 99 Equipment/Task combinations to a scheduled work order; and add parts, equipment, labor and more to be used on the work order.

Open Work Orders

Manage all current work orders from the Open Work Order List. Users can add completed notes, parts usage, labor costs, meter/gauge readings, and more. Open work orders are generated manually or from scheduled templates, and they can be synched to a hand-held DataPort for completion.

Work Order History

All completed work orders and consumable entries are stored once they have been closed from Open Work Order section or Template Builder. Archiving records is a simple way to organize the history. The user can choose to show the archived records or keep them hidden.

Antero™ Maintenance Data Management Software

Features & Benefits, continued

Work Requester

A separate application that can be added to any computer at no extra cost and allows non-Antero users to select from the equipment list and request a work order to be generated by an Antero user. A Work Request history is available to track closed work orders for future reference.

Ordering and Receiving

Generate orders for new parts, purchase orders, and requisitions that are based on a reorder list, or created manually. Maintain efficient inventory control by giving high volume parts a reorder level, track parts below the reorder level and generate a purchase order with one click. Quantities and average unit costs are updated, and all receipts stored in history for easy access.

Reporting

Spot trends in key performance areas with over 100 preloaded report templates that access up-to-the-minute data from work orders, equipment, cost and more from the database. Custom reports are also available and can be built to a user's specific needs.

Technical Specifications

Microsoft SQL Database Support

Microsoft SQL is the database support used for Antero and is required to be installed on the server or serving computer (this includes stand-alone machines). The installation of this database support, via the Antero installation application is optional, but the presence of a configurable Microsoft SQL instance is required. The installation of the Microsoft SQL database support requires the following settings for Antero to function properly:

- An existing installation of the Microsoft SQL Server program, the following versions are supported:
- Microsoft SQL Server 2008, 2008 R2, 2012, 2014, 2016
- An ability to configure the port setting in the Microsoft SQL database instances to communicate on port 1433.

Antero Client Requirements

Hardware

- Processor | 1Ghz or faster
- Memory | Minimum: 1 GB | Recommended: 2GB or more
- Hard Drive Free Space | 500MB minimum

Software

- Operating System | Minimum: Windows 7, Server 2008 | Recommended: Windows 10
- .NET Framework 3.5 SP1 or greater enabled

Antero Database Server Requirements

Hardware

- Processor | 1.4Ghz or faster
- Memory | Minimum: 1GB Memory | Recommended: 4GB Memory
- Hard Drive Free Space | 3GB or more *Software*
- Operating System | Minimum: Windows 7, Server 2008 | Recommended: Windows 10, Server 2016
- .NET Framework 4.5.2 or greater enabled

- **Windows Features:**

Windows Server 2008/7/Server 2008 R2

Windows Process Activation Service | Net.TCP Listener Adapter Service (Part of Microsoft .NET Framework 3.5.1

Windows Communication Foundation (Non-HTTP Activation) | Net.TCP Port Sharing Service | Power shell

Operations Data Management Solutions

Water and wastewater treatment plant operators have rated data management tasks among the most important in their jobs, according to recent Department of Labor statistics. They also rated 'evaluating information to determine compliance with standards' and other data management among the most important of their work activities.

AllMax operations software is designed to help you record and track your operational information, provide documentation, run calculations, generate reports, handle trending and graphs, and generally give you easy access to indicators of your plant's performance and compliance status.

Our database software allows multiple users to safely and securely enter and manipulate data in an environment that requires less customization and is much more stable than spreadsheets. Our dashboards allow you to see key performance indicators at a glance, and report generation is a breeze with management reports and electronic compliance reports available for many states.

Our comprehensive offering of support services mean that you're never on your own. Any time you have questions, or if you need to make changes to your software setup, our technical support team is available to help you out.

"Operator10 wastewater software has been such a tremendous asset for the past 27 years of my wastewater career.

In 1994, I became the superintendent of a water reclamation facility in northeastern Ohio. Operator10 was one of the first purchases I made. Operator10 has been my 'right-hand' in the day-to-day operation of our facility ever since. Operator10 provides all of the process control calculations, record keeping, regulatory reporting and troubleshooting tools needed to efficiently and effectively operate our facility.

In addition to our great staff, Operator10 has played a key role in our facility's exceptional compliance record that has resulted in 14 consecutive Peak Performance awards from the National Association of Clean Water Agencies.

Operator10 is, by far, the single best tool I have ever utilized in my wastewater career! With prompt technical support and annual product enhancements, Operator10 just keeps getting better and better!

Thank you, AllMax Software and Russ Maxwell for such a fine product!"

-Tracy M., Ohio

Operations Data Management Software

Features & Benefits

DataViews

Newly designed spreadsheet-style grids that are created by the user, where data can be entered, printed, exported, or imported for diverse functionality. Each DataView can be defined with specific data and date ranges, and are fully customizable to the user's discretion.

Reports

Create from a list of stock report templates that are built state-specific as well as the option for custom reports. Certain eligible state reports can be set up to export data to specific state requirements and imported to be submitted electronically. The data is pulled from the database immediately, for a quick and efficient reporting process.

Dashboard

Create a customizable dashboard that consists of containers and HotSpots. Add containers that give up to the minute data in the form of data containers, graphs, gauges, and a navigation screen to setup external links. HotSpots can be drawn and created with an icon image selected from a list and can be linked to DataViews, Graphs, Report Groups, or an external location for quick access.

User Customization

Operator10 allows users opportunities to customize to their liking – with the ability to create multiple saved views in dashboard, unlimited DataViews, and section grids that allows add/remove columns that are saved per user. Add a background image to give the dashboard a professional look that represents the facility.

Processes

Define a process setup of the plant to calculate loadings, removals, and other information based on entered values. A process allows for the formulas to be created automatically calculating loadings, F/M Ratio, SVI, chemical feed cost, removals, efficiencies, and more!

eDV

Create a document within a DataView to be sent electronically to non-users of Operator10. Values can be reviewed, or entered into the eDV and then returned to the Operator10 user, who then has the option of syncing the edited data back to Operator10.

Graphs

Create a full colored 3-D graph that allows for up to 8 different series to be displayed on a single graph. Formulas can be used to calculate values. The graphing tool allows for multiple graph types for each series on each individual graph. Users can cycle through daily, monthly, and yearly types, without creating a new graph.

Data Import

An import utility allows for simplistic data integration from other applications into the database and allows that data to be displayed in Operator 10. The utility runs without interaction from a user, it also can be scheduled to run automatically at a defined time of day.

Formulas / Calculations

The formula section offers a robust way to write custom formulas to be used in the database. A user can highlight any section review results, zoom in and out for detailed view, and use test data directly from the database. The calculation tool can be run manually from the main application or DataView section, calculate all or just selected formulas, and schedule calculations to run automatically.

Operations Data Management Software

Features & Benefits, continued

Sampling Events

Accurately track information relating to samples that are taken for analysis. Control the order of events with drag-and-drop functionality and keep organized information such as Analyst Number, Analysis Date, Method, Sample Type, and more!

OPC / DDE Interface

A separate Client/Server application that will collect data from your SCADA system and automatically enter the values into the program for fully automated data entry. The interface is able to connect up to any running application that supports OPC or DDE links, and it also can be used to allow DDE access to the data stored in Operator10.

User Security

User Security utilizes a user's Windows Login to validate the current Windows user against the Operator10 user to allow entry to the application without the hassle of being prompted for credentials. Define specific groups to apply to users for easy security assignments, and setup users per facility for reliable security.

Biosolids

Add-On for Operator10 Wastewater

Track your Biosolids, sites and applications using the add-on feature for Operator10 for Wastewater Data Management. The Biosolids add-on allows users to define Biosolids produced during the treatment process, sites contracted for disposal and application of Biosolids to the defined sites. Limit and nutrient reports can be prepared and submitted using stock and custom reports.

The Biosolids data management application allows users to track lab results, field data, weather or soil tests, and has user-definable site names and a built-in list of over 15,000 test types. Calculation methods are provided to ensure proper calculations of field loadings based on how different tests are performed. Users also have the ability to set up entry limits, link to SCADA and add formulas.

An unlimited number of application sites can be created with details such as field size, types of application, longitude, latitude, EPA approval number and owner. Site limits and warning levels can be set for each item based on accumulative, yearly, quarterly or monthly loads. Soil test limits and nutrient application target levels allow you to take control of your fields.

Tracking Made Easy

The application editor keeps track of when, where, what and how much was applied to a site. It is simple to log in the applications, date, biosolids, number of trips and amount per trip. Applying more than one type of biosolid or applying to multiple sites is not a problem. Simply log in the information and Operator10 takes it from there.

Calculations Simplified

Tedious calculations are taken care of, no matter what your sampling schedule: percent of solids on the same day as the application, nutrients tested monthly, or metals quarterly—even available nitrogen can be calculated. Calculations are provided for each test and converted into pounds, along with dry tons, wet tons and even the number of times the biosolid was hauled.

A New Level of Reporting

Reports on pounds applied, pounds per acre and kilograms per hectare, along with warnings and exceedances, provide a clear picture of your fields. The Federal DMR report is standard. Soil tests that have exceeded a limit can also be reported. Preview, print or save reports in several formats, such as PDF, bitmaps, Excel® and JPEG without extra steps. The report tree feature and report group icons allow one-click reporting.



Operator10[®] Wastewater

Operations Data Management Software

Operator10 Solves Your Wastewater Data Issues!

You want to save time entering and managing data

Time is a valuable resource. Operator10 can save time on some of your most common data-related responsibilities.

Data Entry

Once data is entered into the Operator10 database, it may be used in a variety of ways, including review, graphs and reports.

Calculations

With many common formulas standard, our team can assist you with custom formulas to meet your needs, or you can write your own. Easily add sum, minimum and maximum values to your display.

Import & Automate

Designed to handle data import and export, Operator10 also offers an interface for automatic retrieval of SCADA values. The DataPort hand-held unit collects data in the field for syncing to the database.

Share & Report

Effortlessly create regulatory and management reports, or design your own custom graphs and reports.

You want your plant to be its' best

To exceed minimum requirements and stay on budget, you need to easily access detailed plant and process efficiency information. This allows you to quickly make informed decisions and adjustments to keep your plant running smoothly.

Quick Access to Data

Review the data that is important to you, for any part of your operation, with just a click.

Multiple Data Sources

Streamline your data management by importing lab, SCADA and other external data, and review it all in Operator10.

Process Calculations

Operator10 can handle your complex calculations with dependability, which saves you time and eliminates the risk of human error.

Efficiency Reports

Get access to plant operation information without a lot of time and effort on your part. Review BOD, turbidity, removals and loadings using reports and views that can be set up in Operator10.

“Operator10 is most useful for trending and analyses, and allows us to do DMR reports in minutes, instead of hours. We can provide answers to EPA auditors immediately, when we would otherwise have a month to respond.”

-Chris M., Ohio



Operator10[®] Water

Operations Data Management Software

Operator10 is the solution to your top water data management concerns

You want to ensure consumer safety

Track your water quality and quickly be able to see potential issues before they become problems.

Dashboards

Set up a personalized dashboard that allows you to see your most vital data at a glance. Dashboards can display raw data, links that can be used to navigate around the program, calculated data presented in graphical form and more.

Precision

Return calculation results with the precision that you need when public safety is at stake. Stock formulas for the drinking water industry are included in Operator10, or you can create your own custom formulas.

Collect & Report

Quickly retrieve the data you need to generate your monthly operating reports and annual water quality report. No more compiling data for hours to complete your reporting forms!

You need to save time entering and managing data

Time is a valuable resource

Operator10 can save time on some of your most common data-related responsibilities.

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With many common formulas standard, our team can assist you with custom formulas to meet your needs, or you can write your own. Easily add sum, minimum and maximum values.

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Share & Report

Effortlessly create regulatory and management reports, or design your own custom graphs and reports.

“Operator10, from AllMax Software, gives me the tools I need – not only to do my work – but to do my work efficiently. The software is user-friendly, and the tech support is second to none.”

-Charles N., Florida



Synexus™ Pretreatment

Operations Data Management Software

Synexus is the solution for pretreatment needs!

Track All Your Industrial Users and Permits

Details on Industrial Users and permits can easily be managed in Synexus, making the coordination of communication and inspections simpler.

Industry details

Enter basic information and details about each industry, including contacts, permit details, and more.

Sampling Parameters

Enter limit, surcharge and sampling frequency information for parameters at each sampling point.

Journal of Events

Keep detailed records of sampling events and follow-up deadlines, along with associated notes and documents.

Streamline communication with industries

Store letters, notices, response, schedules and more, all in Synexus.

Templates

Stock templates can be customized and saved for use in creating your routine correspondence.

Schedules

Track details of when notices are sent, when inspections need to be done, and follow-up deadlines.

Organized

Organize all your Industrial User documents, reports, notes, schedules, actions and more all in one place. The Synexus database allows you to review your data in ways that are meaningful and efficient for you.

Calculate surcharges with ease

Synexus can perform complex calculations and generate noncompliance and surcharge reports for you.

Easy Data Entry

Lab and sample results can be imported from Laboratory Information Management Systems (LIMS), SCADA, or it can be hand-entered.

Calculate

Use stock formulas or define your own custom formulas to calculate Industrial Users that are outside their permit limits. Formulas are securely stored in Synexus for repeated use and reliable results.

Report

Synexus includes stock reports related to Industrial Users, limits, surcharges and SNC. Synexus also gives you the flexibility to create your own custom reports to meet your needs.

“The AllMax suite of software programs has really helped our effort to go paperless in our plant. With Antero for our maintenance program, Operator10 for our plant operations, and Synexus to coordinate our pretreatment program, I can easily make sure things are getting done and are running smoothly.”

-Tony U., Ohio

Pretreatment Data Management Software

Features & Benefits

Event Journal

Create events and document activities with Industrial Users to keep the information organized for efficient reference later. Any important documents can be attached to the event detail tab to further define the event.

Limits

Set parameter limits to designate parameters in violation and use to schedule sampling violations. Limits can be set with a Daily Minimum, Daily Maximum, Monthly Limit, and also defined with sampling frequency and sampling period.

Surcharges

Set the calculation of fee amounts for a defined Location:Parameter. Add the base rate, limit and limit rate, along with an effective date. Calculate by Average, Maximum, or Sum.

Industrial Users

Track all businesses and industries in a Pretreatment Plan. Store the industry name, contact information, assigned sample locations, sampling parameters, water supply, and much more.

Sampling Events

Accurately track information relating to samples that are taken for analysis. Control the order events with drag-and-drop functionality and keep organized information such as Analyst Number, Analysis Date, Method, Sample Type, and more!

Technical Specifications Operations

System Requirements

Client/Workstation Requirements

- 1 GHz processor or greater
- 1 GB RAM
- Windows® 7 or greater
- Windows compatible printer (laser quality)

Hard disk space:

- Installation: 1.5 GB or more available per package installed
- Data files: 1 GB or more available (depending on amount of use)

Server Requirements

- Pentium® 4 1.4 GHz processor or greater
- 1 GB RAM
- Windows Server 2008 or greater

Hard disk space:

- Installation: 1.5 GB or more available per package installed
- Data files: 1 GB or more available (depending on amount of use)

Add-On Options

OPC / DDE Interface to SCADA

Operations

The AllMax OPC/DDE interface is a separate client/server application that can be used both to retrieve data on a daily or periodic (real-time) basis, and to allow DDE access to Operator10 data values. Since the OPC/ DDE interface application is able to both share and retrieve data, it is capable of linking with any running application that supports OPC/DDE, such as Wonderware®, Intellution iFIX SCADA software, Microsoft® Excel® or Access®.

Maintenance

The Antero OPC/DDE interface can automate the process of entering equipment meter and gauge readings by acting as the “go-between” from your current meter controls software (such as SCADA) and the Antero maintenance program. The OPC/DDE interface allows users to define links between controls and Antero meter and gauge data. Timed intervals or scheduled readings can be set. At the defined time a reading will be retrieved and stored to the Antero database.

Audit Trail

Operations

The Audit Trail is a secure, computer generated, time-stamped auditing feature that independently monitors operator entries and actions that create, update, or delete data. Changes to data do not obscure previously recorded information--new records are created for each event. The Audit Trail also includes information on other user activity such as user login attempts, opening a new facility, etc.

Maintenance

The Audit Trail in Antero collects information related to the usage of the Antero application. Information being tracked is limited to the following specific sections:

- Application usage
- Seat/license management

SCADA Historian Interface

Operations

The Historian Interface is designed to allow for the transfer of data from your Historian to the Operator10 database. The interface creates links that collect data from a GE Historian and store the data in the AllMax Operations program databases. Use the Automated Processing to collect all of the data in the background, or select a specific data range and collect the data manually. AllMax Software now has three Historian Interfaces available: GE Proficy, Wonderware, and OSI Pi.

“It is not often that you find technical assistance as capable as your staff. Every question has been answered. Every problem has been solved or explained. They are attentive, polite, and darn good. It is refreshing to speak to people, not some creepy automated phone attendant.”

-Tabb J., Virginia

Technical Support Services

The key to customer satisfaction

Services

Client satisfaction is very important to us. It is paramount to us that you are completely satisfied, not only with your purchase, but also with the support you receive during your time as a client with us.

For over 20 years, AllMax has built our reputation, not only on software that meets the needs of our clients, but on our friendly and helpful support staff. Our suite of available services is intended to provide you all the assistance that you'll need to get started, make changes to your program and even troubleshoot issues as stress-free as possible. Best of all, you can try it for free, because the first year of support is included with every software purchase!

Annual technical support agreements, give clients access to all new releases and updates issued during the support term. You also get access to our friendly and knowledgeable support staff through a variety of channels, all designed to make support easy to access. Our support hours are 8:00 AM – 5:00 PM Eastern, Monday through Friday.

Technical Support

AllMax has trained staff available to assist you whenever you have questions about your software. Support not only gives you access to our staff, it also entitles you to all new releases that are issued during the term of support.

Training

AllMax technical support staff can provide training on any AllMax program. Training can be conducted at AllMax Software (Kenton, OH) or at the client's location. Standard training courses and customized training are available, depending on your needs. Online training options are also available.

Product Setups

AllMax staff can set up your new software using information that you provide to us, so that you can avoid the sometimes-daunting task of setting up the software while you are learning to use it. If you have existing data from a legacy solution, AllMax may be able to convert your data. Our team can review your existing data and let you know if a data conversion is available.

Custom Reports

If you need a report that is not included in the stock reports, AllMax staff may be able to develop a custom report that will meet your needs. Our technical support staff will be able to evaluate your report, and let you know if it can be re-created, along with details about the associated cost.

Data Conversions

Your existing data can be converted into your new software as part of a program setup. Find out if your data is in a compatible format by talking with an Account Manager.

Pricing Guide 2017-2018

Operations

Operator10 wastewater, Operator10 water, Synexus pretreatment

Package	Price	Support Rate	MS SQL Support
Single Seat	\$4,150	\$880	\$935
2 Seat	\$5,200	\$980	\$1,048
3 Seat	\$6,250	\$1,170	\$1,250
<i>Client Server</i>			
6 Seat	\$9,400	\$1,740	\$1,880
10 Seat	\$13,600	\$2,250	\$2,448
20 Seat	\$24,100	\$3,300	\$3,615
<i>Add-Ons</i>			
Biosolids (<i>wastewater only</i>)	\$2,000	\$200	
Audit Trail.....	\$1,000	\$50	
OPC / DDE Interface to SCADA.....	\$1,500	\$50	
Historian Interface	\$2,000	\$200	

Maintenance

Antero CMMS

Package	Price	Support Rate
Single Seat	\$4,150	\$880
3 Seat	\$6,250	\$1,170
6 Seat	\$9,400	\$1,740
10 Seat	\$13,600	\$2,250
20 Seat	\$24,100	\$3,300
<i>Add-Ons</i>		
OPC / DDE Interface to SCADA.....	\$1,500	\$50
Audit Trail.....	\$1,000	\$50

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