

RegPerfect.

Continuous Monitoring Data Acquisition System



Finally, a company that offers a cost effective solution for my data acquisition system requirements

Data management is vital to your company's bottom line and mission critical environmental compliance goals. Today's environmental professionals must learn to do more with less when faced with budget constraints, rising operating costs, and staff reductions. Teledyne Monitor Labs® (**TML**) helps environmental professionals around the world meet these challenges by offering RegPerfect®.

RegPerfect is a cost effective data acquisition system (DAS) for monitoring, recording and reporting emissions to demonstrate compliance with Federal, State and local requirements. The easy to use software application is the perfect tool for maintaining compliance with your air permit requirements.

This reliable server-client solution provides the real time visibility and connectivity for all your environmental and operational needs, particularly those related to the performance of your Continuous Emissions Monitoring (CEM) systems. RegPerfect minimizes operator involvement by calculating permitted parameters, verifying measurement system integrity, and implementing data substitution algorithms (when required) to provide certified data for reporting.



TML has over 50 years of experience designing, building, maintaining and integrating CEM Systems into your facility for environmental control and compliance. RegPerfect can be fully integrated into existing and new CEM System applications including in-situ, extractive, dilution extractive, opacity, particulate, and can also provide MACT parameter monitoring. For extensive data buffering and standard plant controller communication protocols, TML recommends interfacing instrumentation with C3IO, Allen Bradley or GE Programmable Logic

Controllers, and Data Loggers.

What About Regulation and Permit Changes

Over time, rules, regulations and permit language change. RegPerfect can be easily reconfigured to accommodate these changes. Most of the time, the configuration changes can be completed remotely from our factory, which saves travel time and cost. We offer no hassle support and reasonable pricing for all necessary changes to your DAS. Simply contact us and we will evaluate the new requirements, notify you what configuration revisions are needed, implement the changes, and then verify with you that the revised DAS meets your expectations. Additionally, standard open protocols are used to aid facilities in corporate systems integration.

- * Reliable solution provides real-time visibility and connectivity for environmental and operational needs
- * Secure system provides access and authorization control to ensure NERC/FERC security requirements
- * 24 x 7 software support available providing rapid assessment, diagnosis and conclusion
- * Annual user group meeting to listen to your needs, showcase software/CEMS, regulatory updates and training

GoTML@teledyne.com

www.teledyne-ml.com

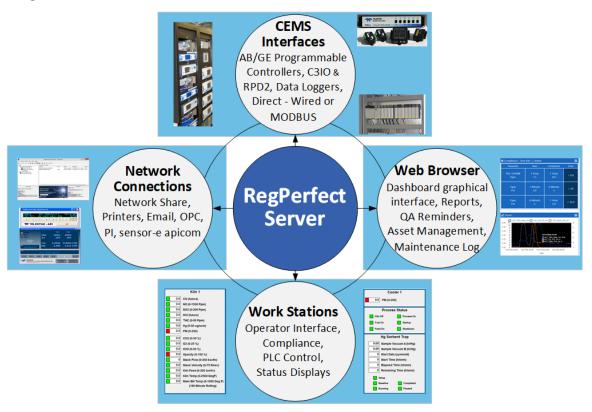
RegPerfect Architecture

RegPerfect takes full advantage of the stability, security and features of Windows® Server, SQL Server and the Windows Integrated Security model. The database is fully compliant with the latest security and connectivity standards, allowing for secure and easy integration with popular Microsoft Office programs and various environmental database tracking software packages including OPC and PI Servers. The user is capable of database evaluating, editing and reporting through RegPerfect's application user interfaces.

Emissions data is valuable to a facility's environmental compliance and operations, so RegPerfect employs a role based security model that restricts and grants access to certain data and features defined by a given login account.

Network Connectivity

RegPerfect is designed with a server-client architecture. A RegPerfect server can be connected to the network via standard Ethernet protocol thus allowing RegPerfect or browser client software to run from a network connected PC.



Typical Server Hardware

Teledyne Monitor Labs offers flexibility that our competitors shy away from. Whether you want to buy a server and workstation from us or supply your own because of your facility IT standardization, TML will gladly work with you. Customer virtual servers are supported.

The servers that we supply come with four (4) RAID I configured 300 GB hard drives, DVD/ CD RW, 16 GB RAM, 2.x GHZ six core processor, USB modem if needed, Ethernet card, and a 500 GB USB external hard drive for optional data backups when a network drive is not accessible.





Software and Regulatory Support

Teledyne Monitor Labs' support plans are designed for flexibility, allowing you to choose a support level that fits the needs of your facility. We offer a complete range of service plans from basic maintenance programs to comprehensive support plans that ensure your system stays current with the latest regulations and technology.

Gem Level Plans provide comprehensive hardware and software support services including free upgrades of RegPerfect product releases throughout the term of the Software Support Plan. TML offers 24×7 technical phone support providing you rapid assessment, diagnosis and repair of your CEMS system.

TML has a highly trained staff of professionals ready to tackle all your regulatory needs and it's just a phone call away. Our staff stays current with all regulations including new and proposed EPA and State rule makings.

TML Hears Our Customers Loud and Clear

TML highly values the opinions and recommendations of our customers. Consequently, each year TML offers **no charge** RegPerfect User Group Meetings to listen to your needs, showcase software changes, provide regulatory updates and worthwhile training. This is your time dedicated to address your needs and concerns. We listen to you to determine what we can do better to serve you. This is also a great time to meet other industry people, share compliance strategies, and meet new and old friends in a relaxed focused atmosphere.

RegPerfect Training Course

Once per quarter, a two/three day factory-training course is held at TML's training facility in Englewood, CO. The class provides the student with an ideal envi-



ronment in which to learn RegPerfect so they can use it as an effective tool for compliance with Federal and State CEMS Air Quality Regulations including 40CFR60, 40CFR63, 40CFR75 and 40CFR98. The classroom is set up and organized to encourage interaction between the student and instructor. Specific exercises are performed which provide the student with real work type problem solving and solutions for mission critical environmental compliance.

Teledyne Web Support

www.teledyne-ml.com allows RegPerfect users access to tech notes, regulatory updates, patch information, and much more.

Contact the TML Sales Team to ask about our DAS replacement program.

We offer a full regulatory, hardware and software support team to help you maintain environmental compliance. Teledyne Monitor Labs, Inc. reserves the right to make changes in construction, design, specification, and/or pricing without prior notice.



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ISO 9001 Certified Quality Management System



RegPerfect® **Continuous Monitoring Data Acquisition System**

Regperfect.



Spotlight/Dashboards

- Configurable display that illustrates measured and calculated data
- Asset management for calibration gas bottle inventory
- QA Test reminders
- Tool used to assist in maintaining compliance with operating permit requirements
- Direct interface with communication device such as PLC and C3io for CEMS maintenance
- Configurable alarm application that notifies operator of compliance and system issues (email capable)
- Optional CEMS maintenance display to monitor CEMS performance and troubleshooting
- Assign reason/action codes for report submittals



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Reports

- Configured to comply with your operating permit recordkeeping and reporting requirements
- Create report groups to evaluate large amounts of data quickly and efficiently
- Reports can be directed to any network printer or to an email address if DAS is connected to a mail server
- Browser based application that can be accessed
- through any PC with a browser • Reports can be generated on demand or

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RegPerfect Continuous Monitoring Data Acquisition System

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ditor: Main Window

<u>Editor</u>

- Review, evaluate, edit, block edit, and recalculate data for assessing compliance
- Quick date select, filter, and create data groups to quickly and efficiently evaluate specific data
- View data in different formats for diagnosing problems

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- Edit, sort, and filter system constants quickly and efficiently
- Edit calibration reference values and reassess test results for daily and quarterly quality assurance
- Generate reports for instrument daily and quarterly calibration including CGA/Linearity/RATA

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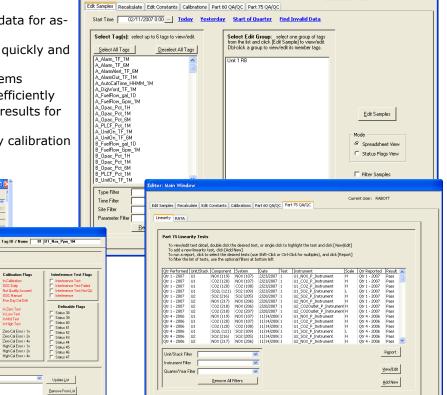
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Block Edit

- Review emission and calibration data and generate electronic data reports for 40CFR75 recordkeeping and reporting
- · Load analysis wizard for RATA determinations
- Span and range evaluation for CEMS compliance
- Monitoring plan information stored for reporting
 QA/QC records archived
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 Sample reporting to 100 Minutes 120108 200
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ort	Step 2: Calibrations Herver calibration result and re-evaluate calibrations and grace periods if needed Step 3: Emissions Data Review emissions data and recalculate if necessary Step 4: Lock Data Protect "finished" data from accidental modifications (edits, recalculations)		
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step 2 o	f 2) Review and save Monitoring Load record (optionally, you may select a 2nd designated normal load)		
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