

CEMLink™ Data Acquisition System Capabilities

Executive Summary

VIM Technologies, Inc. is a premier supplier of air compliance Data Acquisition Systems (DAS) specializing in meeting the data validation and reporting needs of regulated sources. With over 18 years of comprehensive DAS experience, VIM Technologies, Inc. has been responsible for designing and building compliant software systems to meet Federal, State, and Local requirements, serving air regulated markets in the electric utility, pulp & paper, waste incineration, cement, pharmaceutical and the petrochemical & refining industries.

Our **CEMLink™** product is a fifth generation software solution that is time tested and proven in the market place. Featuring our powerful Data Supervisor, **CEMLink™** offers more end user flexibility for reporting and provides ready access to critical data. **CEMLink™** links you to your data through an intuitive, easy to use compliance interface.

Our software supports all facility reporting requirements defined by the USEPA and State regulatory agencies. VIM Technologies, Inc. provides DAS products and software solutions that are 100% compliant. We guarantee it.

VIM Technologies, Inc. has a clear and complete understanding of your emissions reporting needs and is expertly positioned to assist you in successful implementation of your DAS project.

As established in our design phase, programming methodology and demonstrated by our past experience, VIM Technologies, Inc. brings a depth and breadth of essential resources, capability and know-how that is perfectly suited to meet your specific needs.

CEMLink™ should be your DAS of choice.

From the beginning, VIM Technologies, Inc. established its' reputation as a quality supplier with exceptional service. VIM will expertly manage your DAS project as your emissions monitoring partner. Our aim is not simply to satisfy your expectations in all aspects of job performance, but to exceed them at every turn. VIM Technologies, Inc. the clear choice in linking your CEMS data to your air compliance needs.



Compliance Qualified

CEMLink™ – Acid Rain 40 CFR Part 75

The Clean Air Markets Division of the USEPA requires all Acid Rain Sources to comply with the new electronic reporting format governed under the Emissions Collection and Monitoring Plan System (ECMPS) by the April 2009. The ECMPS Client Tool and the new XML EDR reporting format has been in development since February 2004. VIM Technologies, Inc. has led the way as an ECMPS Stakeholder, successfully converting hundreds of sources to the new reporting format.

In addition to our user-friendly DAS solutions we offer a full compliment of compliance support services to make your Acid Rain reporting experience completely trouble free.

For more information please contact us at www.vimtechnologies.com or call 410.859.5455

CEMLink™ – Non Acid Rain Compliance

We support a wide-variety of industrial sources regulated under 40 CFR Part 60 requirements. Air compliance is made easy when using **CEMLink™** configured to meet your site specific needs.

CEMLink™ is a mature, robust, compliant DAS product, available to support the following regulatory requirements:

- NSPS
- 40 CFR Part 60 and associated Subparts & Appendices
- 40CFR Part 75 includes XML EDR
- Local AQMD support
- RECLAIM
- 40 CFR Part 503
- OTC NOx Budget Rule
- CAIR Rules
- Section 126
- Title V Air Permits
- Boiler MACT

Applications Served include:

- Coal Fired Utilities
- Simple Cycle Combustion Turbines
- Combined Cycle Combustion Turbines
- Boilers/AUX Boilers
- Inlet/Outlet SCR Monitoring
- Recovery Boilers & Power Boilers
- Waste Incinerators & Waste to Steam
- Lime Kilns, Recovery Boilers
- Cement Kilns
- Furnaces & Catalytic Cracking Units
- Sources burning Oil, Gas, Waste and Tire Derived Fuels (TDF)
- Medical Waste Incinerators
- Single Stacks, Multiple Stacks or Common Stack Configurations
- Multiple Fuels & Common Pipe
- All other regulated, reportable, non-Acid Rain Sources



Industry Standards

VIM Technologies, Inc. offers a wide variety of industry accepted standard components as part of their compliance based DAS solutions. We offer the most comprehensive list of CEMS system controllers and communication options than any other supplier in the industry. The **CEMLink™** total solution includes, CEMS system control hardware, data logging, reporting and storage hardware, DCS and Process Control interfaces, LAN/WAN system support and much, much more. **CEMLink™** is the only compliance data system you will ever need, now and in the future.

Hardware:

VIM Technologies, Inc. supports PLC based CEMS system controllers and PC based certified DAS systems. Major PLC Hardware that we support includes:



- THE FULL LINE OF ALLEN BRADLEY PLCS
 - SLC 500 SERIES
 - CONTROLLOGIX
 - COMPACTLOGIX
- WE SPECIALIZE IN REPLACEMENT SYSTEMS, UPGRADES & RETROFITS

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Other Key Components:

- Pentium based DAS, dual hard-drive, mirrored computers (Dell standard)
- Rack Mounted Servers
- Remote Workstations
- Dell Laser Printers
- USB External HDD & removable media for system back ups
- R/W CD/DVD removable media for system backups
- Keypad & Touch Screen Operator Interfaces at the PLC

Communications:

At VIM Technologies, Inc. we recognize the need to access information and data from any device that may assist you in running your plant operations more efficiently. In the real world sense we sell compliance based on process integrated data. To this end, **CEMLink™** can provide information to the end user through a variety of communication protocols, including:

- 10 BASE TCP/IP – ETHERNET
- DATA HIGHWAY
- DATA HIGHWAY PLUS (DH+)
- MODBUS & MODBUS PLUS
- OPC
- ODBC
- Client/Server Applications

Software:

CEMLink™ is a mature, proven product designed and built on industry accepted third party platforms. **CEMLink™** is a long term solution meeting the compliance needs of today while offering the flexibility for meeting the needs of tomorrow. Our innovative approach reduces the long term maintenance costs of the system while providing you with a stable, compliant solution.

- MICROSOFT WINDOWS XP/2003 SERVER
- MICROSOFT VISUAL STUDIOS
- FULLY RELATIONAL DATABASE
- SYMANTEC pcAnywhere

Distributed Control Systems (DCS):

The open architecture design of **CEMLink™** allows the DAS to easily interface with plant systems. VIM Technologies, Inc. has experience displaying, collecting, managing and sharing data with most plant Distributed Control Systems and Plant Historian Packages. This interface develops into a cooperative effort between VIM Technologies, Inc. and the end-user. Our experience includes:

- BAILEY
- WESTINGHOUSE
- FOXBORO
- HONEYWELL
- PI INTERFACE



Business Model:

VIM Technologies, Inc. offers turnkey DAS solutions, custom fit to meet your needs. Our business model relies on our past experience coupled with our regulatory expertise and the cooperation with our compliance partners, the end users. Each DAS project begins with a dynamic exchange of information between the end user and our engineering staff. This process of cooperative design is unique to the VIM Technologies, Inc. experience, guaranteeing that our compliance partners get exactly what the expected when they commission the system.

Our customer centric philosophy guarantees you a successful transition to the fully compliant world of a total DAS solution. **CEMLink™** is your clear choice for air compliance reporting.

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