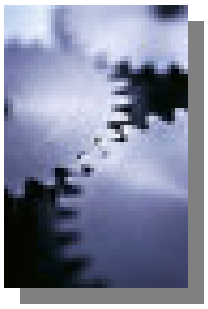

# VIM Technologies, Inc.

## Electric Generation DAS Supplier Qualifications


VIM Technologies, Inc.

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## Executive Summary

VIM Technologies, Inc. is a premier supplier of air compliance Data Acquisition Systems (DAS) specializing in meeting the full service reporting needs of affected sources and operating plants. 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, waste to energy, pulp & paper, waste incineration, cement, fine chemicals, municipal sludge incineration and petrochemical & refining industries.

The success of our company is grounded in our expertise and understanding of the prevailing air compliance models that impact affected sources and in our commitment to post installation support. All our products and services involve Air Compliance Data Acquisition Systems. It is all we do.

Our DAS Solutions are 100% designed, built and supported by VIM Technologies, Inc. We do not require the support of outside third parties to complete our projects. We offer flexible, state of the art solutions. Each DAS solution is built on the backbone of a mature, stable air compliance product custom configured to fit site specific needs. Through the use of standard modules and fixed software components, we are able to form fit each project to the specific application. Each project begins with a comprehensive Engineering & Design Package and ends with world class post-installation support services.

As part of our overall commitment to excellence, VIM Technologies, Inc. is an active participant in tracking and monitoring air compliance regulations. We have been a CAMD ECMPS Stakeholder participant since its inception and have been involved with round-table electronic reporting discussions with PADEP since 2004. In addition, we actively participate in meetings and venues related to CEMS Monitoring sponsored by, EPRI, EUEC, ICAC, CIBO, RGGI and other environmental service groups keeping our partners informed about new developments that may change the way they report.

*CEMLink* is a fifth generation air compliance data acquisition system. Our development process is user based with product enhancements resulting directly from the changing needs of our air compliance partners. New product releases are end user controlled with support from VIM Technologies, Inc. The key to success is open lines of communications and regular, compliance dialog with our end users. We are always open to suggestions on areas of improvement and make real time software modifications based on end user inputs. We are looking to develop compliance partners by providing the best products and services possible to meet their DAS needs.

Our proposed DAS solutions are based on our experience with similar applications, source types and site-specific reporting requirements. Our compliance partners in the power generation sector include, Duke Energy, Cogentrix, NAES, Dynegy, Direct Energy and others. We support Acid Rain, NOx SIP and State Specific data validation and reporting. Standard features of our software include a full set of compliance reports, an ad-hoc report builder, data QA/QC tools and client configurable real time data screens.

*CEMLink* is the last DAS you will ever need.

## Company History

Company Background:
VIM Technologies, Inc. was founded in Maryland in February 1992 by engineers with extensive software development experience for programmable logic controls and host computers. Our mission is to provide reliable, user-friendly software solutions and support to the industry that we serve, through state of the art software, developed inside of a dynamic, solution oriented environment.

Project Descriptions and Plant Profiles - Recent History:
VIM Technologies, Inc. serves all air compliance markets with expertise in Electric Generating Units (EGUs) and industrial non-EGU applications. We developed their expertise with simple cycle and combined cycle combustion turbine units through an exclusive supplier agreement with Duke-Fluor Daniel (DFD). From 1999 through 2001 VIM Technologies, Inc., worked hand in hand with Duke Flour Daniel – Charlotte, NC supporting the Acid Rain based Data Acquisition Systems needed to complete their permitted combustion turbine construction projects. During this time of peak construction, $3 to $5M in total DAS projects passed through our shop. *CEMLink 5*, the proposed software solution, was developed with input from these combustion turbine partners. The result is a product conceived with the end user in mind specifically tailored to the needs of the power generation industry.

Since that time we have continued our relationship with each DFD site and the parent company, through all its iterations and name changes associated with the sale of the business and their eventual re-emergence as what is now known as Duke Energy. The process and formula of success developed through our DFD experience translates directly to the solutions we offer today.

In addition to new installations and construction based projects, VIM Technologies, Inc. specializes in replacement and upgrade based DAS systems. We have replaced every major DAS system in a variety of applications throughout the continental United States. Some examples include: Dominion Gordonsville Energy – Gordonsville, VA (GE), Direct Energy – Paris, TX (ESC), MMC Energy – Escondido, CA (ESC), MMC Energy – Chula Vista, CA (ESC), PEI Power – Archbald, PA (GE), Weyerhaeuser – New Bern, NC (Spectrum Systems), BP Chemical – Lima, OH (PAI). Our ability to support existing PLC based systems supported by superior customer service has helped establish VIM Technologies, Inc. as a leader in the DAS Replacement Market.

VIM Technologies, Inc. has been active in the ECMPS XML electronic reporting development program since its inception. All of our Acid Rain and NOx SIP affected sources will be receiving their XML upgrade over the next 6-12 months, depending on their site specific implementation plans. We had several VIM sources successfully complete the Alpha Test and we are currently participating in the Beta Test Program.

Some examples of recent DAS Replacement and Upgrade projects are as follows. We have many other examples available upon request. Contact names and numbers for references are also available upon request.

**Vineland Municipal Electric Utility – Vineland, NJ (April 1998/June 2004)**

**New DAS Project & Various Upgrades**
Although normally a software firm, VIM Technologies contracted to provide and install an in situ Oxygen analyzer, an ultrasonic stack flow monitor, and the stack platform from which to service these instruments, as part of a major upgrade of Continuous Emissions Monitoring Data Acquisition Systems at this municipal power provider.

When the job was done, a VIM Technologies *CEMLink™ 4* Data Acquisition system, based upon Modicon PLCs, was collecting data from four (4) stacks, providing New Jersey DEP reporting on all four units, and OTC NOx Budget Reporting on two (2) units via computer-to-computer Quarterly Reporting in the USEPA's Electronic Data Reporting (EDR) format.

In addition, a second *CEMLink™ 4* system, configured for Low Mass Emitting (LME) reporting, is providing data collection and reporting for a remotely located Combustion Turbine Peaking Unit. The DAS system at VMEU was upgraded in June of 2004 to *CEMLink™ 5* running on a Windows 2000 operating system at the request of the plant.

**Dynegy, Inc. - Moss Landing, CA (April 2001/December 2002)**

**Plant Re-Construction Project**

On May 7, 1999, Duke Energy Moss Landing LLC filed an Application for Certification (AFC) seeking approval from the California Energy Commission (Energy Commission) to construct and operate the proposed 1,060-megawatt (MW) Moss Landing Power Plant Project. The project is proposed to be located at the existing Moss Landing Power Plant site that was previously operated by PG&E for about 50 years. This site is located at the intersection of Highway 1 and Dolan Road, east of the community of Moss Landing near the Moss Landing Harbor.

The project, as proposed by Duke Energy, consisted of replacing the existing electric power generation Units 1-5, (a total of 613 MW built in the 1950s and shut down in 1995), with two 530 MW, natural gas-fired, combined cycle, units. Each combined cycle unit consists of two natural gas fired combustion turbine generators (CTGs), two unfired heat recovery steam generators (HRSGs) and a reheat, condensing steam turbine generator (STG). Each combined cycle unit will use seawater for once-through cooling. Duke Energy also proposes to upgrade each of the existing Units 6 and 7 by 73 MW. This was part of the original project that involved VIM Technologies, Inc. as the DAS supplier of choice.

Support from VIM Technologies, Inc. started as part of the aforementioned Duke Energy LLC construction project. The construction was conducted in two phases with the installation of the Boiler 6 and 7 CEMS in the spring of 2001 and the installation of the Turbine four (4) CTG CEMS in late 2002. All six (6) sources are regulated under 40CFR Part 60, 40CFR Part 75 (Acid Rain) and State of California regulations.

Over the past seven years the plant has been owned and operated by Duke Energy LLC, The Wood Group and LS Power. Moss Landing Generating Plant is currently part of the Dynergy, Inc Western Operations Group. Moss Landing Generating has been an active participant in our Maintenance Contract Support Program and will be upgrading to the new XML EDR format sometime during the first quarter of 2008, as part of our integrated service package.

**Cogentrix Scrubgrass Generating – Kennerdell, PA (March 2002/January 2004)**

**New DAS Project & Various Upgrades**

Scrubgrass Generating Station operates two (2) coal fired CFB Boilers rated at 420klb/hour. They installed the initial *CEMLink™ 5* DAS in March 2002 as part of a new CEMS installation to meet 40CFR Part 75 – Subpart H - NOx SIP Call requirements and have followed with software upgrades in 2004. They are scheduled for PADEP Revision 8 upgrades in the 4$^{th}$ quarter of 2007 and an XML EDR upgrade in 2008.

Scrubgrass use full CEMS to monitor the boilers. The CEMS are wet-basis dilution systems monitoring NOx/$SO_2$/CO/$CO_2$. They also monitor Opacity, Stack Flow, Stack Pressure and Stack Temperature. The DAS is configured to handle all calibrations and has customized fuel analysis entry screens to handle the input of fuel analysis data on a daily basis. In 2004 we did some modifications to the system to add automated Linearity Routines and System controls for CEMS Audits, at the request of the customer.

On a final note, Scrubgrass is an active participant in our standard Telephone Support Program as well as our COMPAS level compliance QA/QC service plan.

**UGI Development Co. - Hunlock Creek Energy Ventures – Hunlock Creek, PA (July 2004)**

***CEMLink™ 4* to *CEMLink™ 5* Upgrade**

Hunlock Creek Energy Ventures is a single source, coal fired, electric generating unit. This source is a single stack, monitoring $SO_2$, NOx, $CO_2$, Stack Flow and Opacity all in accordance with 40CFR Part 75, 40CFR Part 60 and the State of Pennsylvania Department of Environmental Protection (PADEP). Hunlock Creek had been successfully running *CEMLink™ 4* for years and wanted to upgrade to *CEMLink™ 5* in order to migrate to a Windows XP operating system. Historical data conversion was part of this scope of supply. They are scheduled for PADEP Revision 8 upgrades in the 4th quarter of 2007 and an XML EDR upgrade in 2008.

In addition to the Acid Rain Reporting requirements, the Hunlock source must comply with the stringent requirements of the Pennsylvania DEP (PADEP). The system is configured to build PADEP specific reports for critical measurements like Opacity and NOx. Although the older version of the software supported these requirements, Hunlock was able to take advantage of some new features of *CEMLink™* as part of the DAS upgrade.

**Weyerhaeuser – Johnsonburg, PA (February 2005)**

**Replacement DAS Project**

Weyerhaeuser Johnsonburg had been running a custom DAS solution for years, supporting two (2) CEMS on two distinctly different air compliance applications. On the Recovery Boiler side of the system they had to meet all the requirements associated with 40CFR Part 60 and on the Power Boiler side they were required to submit an Ozone Season only EDR in accordance with the NOx SIP Call Program. At the end of Fiscal Year 2004, the environmental department at Weyerhaeuser evaluated the costs associated with upgrading their existing system to meet new air compliance guidelines set out in their Title V Air Permit. The cost of re-configuring the system to meet the new requirements proved to be cost prohibitive and Weyerhaeuser contacted VIM Technologies, Inc. on the recommendation of an outside consultant and from inputs from their New Bern, NC facility that was already running *CEMLink™ 5*. VIM Technologies, Inc. offered Weyerhaeuser a cost effective, turn-key integrated DAS solution.

The current *CEMLink™ 5* DAS supports two Power Boilers exhausting to a common stack monitoring NOx, $SO_2$, $CO_2$ and Stack Flow. The Boilers burn coal as their primary fuel and are required to report in accordance to 40CFR Part 75 Subpart H – NOx SIP Call requirements. An Ozone season only EDR is submitted in accordance with the rule. The Power Boiler Common Stack CEMS is controlled by an Allen Bradley SLC 5/04 PLC, which was re-programmed by VIM Technologies, Inc.

The Recovery Boiler also burns coal and is monitored in accordance to 40CFR Part 60 and PADEP reporting requirements. The CEMS for this source monitors TRS, $O_2$, NOx, $SO_2$, CO, Stack Flow and Opacity. Support for the Recovery Boiler CEMS was integrated into the same *CEMLink™ 5* DAS as the Power Boiler. In addition to the centrally located DAS PC, VIM Technologies, Inc. supports a client license which is located on a network PC located in the Environmental office.

All of the unique requirements of the old system were carried over to the *CEMLink™* solution. As part of the integrated solution we had to support an existing Data Highway Plus connection to an existing Client PC located in the Control Room.

**Kings River Conversation District – Fresno, CA (March 2005)**

**New Construction Project**

Kings River Conservation District built two GE LM6000 Simple Cycle Gas Turbines designed for peaking operation in 2004. The facility came on line early 2005 and is operated by Wood Group Power Operations. The CTGs are monitored by two (2) CEMS reporting from a common *CEMLink™ 5* Data Acquisition system. The CEMS are configured for inlet/outlet monitoring of the turbines. The DAS handles the control and calibrations of both the inlet and the outlet CEMS.

The DAS system is configured for 40CFR Part 60, 40CFR Part 75 – Acid Rain Program and supports the telemetry requirements of the San Joaquin Valley Authority.

**InterGen – LaRosita Power Project – Mexicali, Mexico PA (February 2005/March 2006)**

**New & Replacement DAS Project**

The La Rosita Power Project is a 1,100 MW natural gas-fired, combined-cycle energy facility near Mexicali, Mexico. Approximately 500 MW of this power is under contract with Mexico's Comisión Federal de Electricidad (CFE) under a 25-year build-own-operate Power Purchase Agreement. The remaining capacity is available to meet energy needs in the U.S.-Mexico border region. Fuel for La Rosita is transported through a 126-mile cross-border natural gas pipeline that runs from Ehrenberg, Arizona to the plant site.

To ensure that La Rosita has no environmental impact, the power plant has an ambient air quality monitoring program with three monitoring stations, which are strategically installed around the site. Additionally, all units are equipped with continuous emission monitoring. La Rosita also continues to participate in local and federal environmental programs such as the “Clean Industry Program”, sponsored by the Mexican Environmental Ministry.

VIM Technologies, Inc. installed the first *CEMLink™* 5 at the InterGen LaRosita Station in February of 2005 as part of a plant expansion and new CEMS project. The end user was so enamored with the ease of use and support given that we were asked to replace another existing system at the same facility. This request resulted in a wholesale change-out of the existing GE-KVB DAS system and a complete conversion to *CEMLink™* 5. LaRosita is currently running two (2) independent *CEMLink™* 5 systems. Both systems are configured for 40CFR Part 60 and 40CFR Part 75 – Acid Rain reporting, monitoring gas-fired combustion turbines.

**Weyerhaeuser – New Bern, NC (June2004/August 2006)**

**New & Replacement DAS Project**

The Weyerhaeuser Plant in New Bern, NC first brought VIM Technologies, Inc. into the mill to assist them in meeting the MACT II air compliance requirements for their Recovery Boiler and Lime Kiln applications. A stand-alone *CEMLink 5* DAS was commissioned in June of 2004 supporting two (2) Opacity COMS. Weyerhaeuser was so pleased with the performance and ease of operation that they began mapping out a plant-wide compliance plan anchored in a VIM solution.

The New Bern facility had two (2) existing DAS providers supporting two (2) sources reporting under 40CFR Part 60 and two (2) sources reporting under both 40CFR Part 60 as well as 40CFR Part 75 Subpart H - NOx SIP Call Program. Six (6) monitoring points needed to be supported: Lime Kiln, Recovery Boiler, Power Boiler No. 1, Power Boiler No. 2 Inlet Part 60, Outlet Part 60 and Outlet Part 75 NOx SIP Call. The conversion plan required a vendor that could support all the existing CEMS and the related CEMS Control Hardware (Allen Bradley Series 5 PLCs).VIM Technologies, Inc. was selected because of their extensive background in papermill applications, in Ozone Season only reporting and in plant-wide DAS integrations.

## Company History (continued)

At the conclusion of the project, VIM Technologies, Inc. had integrated eight (8) monitoring points/sources in a central DAS server interacting with five (5) client workstations. Each of the four (4) CEMS shelters had a full workstation client with the fifth one being located in the Environmental Office. The system was delivered over three (3) phases replacing a 40CFR Part 60 WINDAS System from STI and a 40CFR Part 75 DAS system from Spectrum Systems. The integrated *CEMLink 5* system has been operating since August of 2006.

We have a number of other PA sources available for review and for reference purposes. We selected the ones we did because they present a good representative cross-section of the types of projects we handle on a regular basis (new installations, upgrades and replacement systems). Please let us know if references are required and we will provide contact names and numbers.

**Direct Energy – Paris, TX (January 2007)**

**Replacement DAS Project**

Tenaska developed this 244-megawatt (MW) cogeneration project in Paris, Texas, that began commercial operation in 1989. Tenaska III Texas Partners, Ltd., a Texas limited partnership, was formed to own the facility. A Tenaska affiliate was the managing partner. Another Tenaska affiliate operated the project reliably for 15 years until partnership ownership interests were sold to Direct Energy in 2006.

During Tenaska's operation of the project, electricity from this cogeneration facility was delivered to TXU Generation Company, L.P. (formerly Texas Utilities) to serve regional demand for energy. In addition, process steam was delivered to the nearby Campbell Soup Company, which expanded the plant after receiving low-cost steam from the Tenaska plant.

The plant consists of two General Electric 7EA gas turbines with supplementary-fired heat recovery steam generators, a 93-MW extraction/condensing steam turbine and standby diesel generators. Two (2) CEMS supported by a NESHAPS compliant DAS system as the plant was designated as a non-Acid Rain reporter.

In November 2006, Direct Energy began to evaluate the value of opting into a full blown Acid Rain Compliance Program in conjunction with upcoming power generation contracts. Their multiple requests for assistance and support from their legacy DAS vendor was met with some resistance, driving Direct Energy to look elsewhere for support. Their industry search led them to VIM Technologies, Inc. and a *CEMLink 5* solution.

The dataloggers and the DAS PC were replaced in January 20007. As part of the negotiated contract, Direct Energy successfully completed their Monitoring Plan and submitted all the necessary information for opting into the Acid Rain Program with assistance from VIM Technologies, Inc. Direct Energy – Paris Energy Center submitted their first EDR in April 2007.

Since the installation of the Paris site, we have added two more Direct Energy sites in Texas. One is at Frontera and the other is at Bastrop.

## Company History (continued)

**PEI Power – Archbald, PA (August 2008)**

**Replacement DAS Project**

The Plant consists of two (2) sources each monitored by a CEMS monitoring NOx. CO and $O_2$. The sources were regulated under 40 CFR Part 60 and 40CFR part 75-Subpart H (Ozone Season NOx SIP Program). In addition, both sources are subject to PADEP Revision 8 reporting.

The replacement DAS Project involved a site evaluation of the current installation and the development of site specific solution which minimized installation cost and time. VIM Technologies, Inc. implemented their exclusive GE- FANIC Hybrid solution which allowed us to apply standard software to a custom installation. All of the existing GE FANU 90-30 I/O was supported with the addition of an Allen Bradley processor. This approach saved the end user significant replacement costs while gaining the added benefit of a standard software configuration.

PEI Power recently completed their software upgrade to meet PADELP Revision 8 reporting and have signed on for full compliance service support.

**Recent Projects – Partial List for 2008 & 2009**

Additional information on the following Projects are available upon request.

**Replacement DAS Projects**

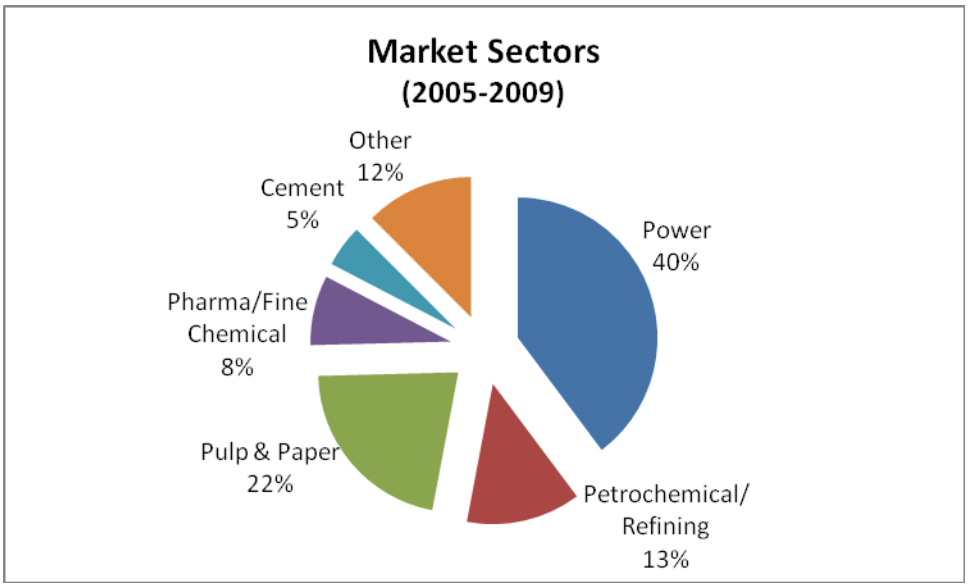
| Plant Name | State | Plant Profile | Replaced |
|---|---|---|---|
| Applied Energy North Island | CA | 1 Combined Cycle Unit/Gas Only | GE |
| Applied Energy Oxnard | CA | 1 Combined Cycle Unit/Gas Only/40CFR Part 60 | GE |
| Wellhead Chula Vista | CA | 2 Combustion Turbines/Common Stack/Gas Only | ESC |
| Wellhead Escondido | CA | 2 Combustion Turbines/Common Stack/Gas Only | ESC |
| Yuma Cogen | CA | 1 Combustion Turbine/Gas Only | Anarad |
| City of Dover McKee Run | DE | 2 Boilers/Appendix E plus 1 CEMS | GE |
| City of Dover VanSant | DE | 1 Boiler Appendix E | GE |
| University of Cincinnati | OH | 2 Package Boilers plus 2 Combustion Turbines | ESC |

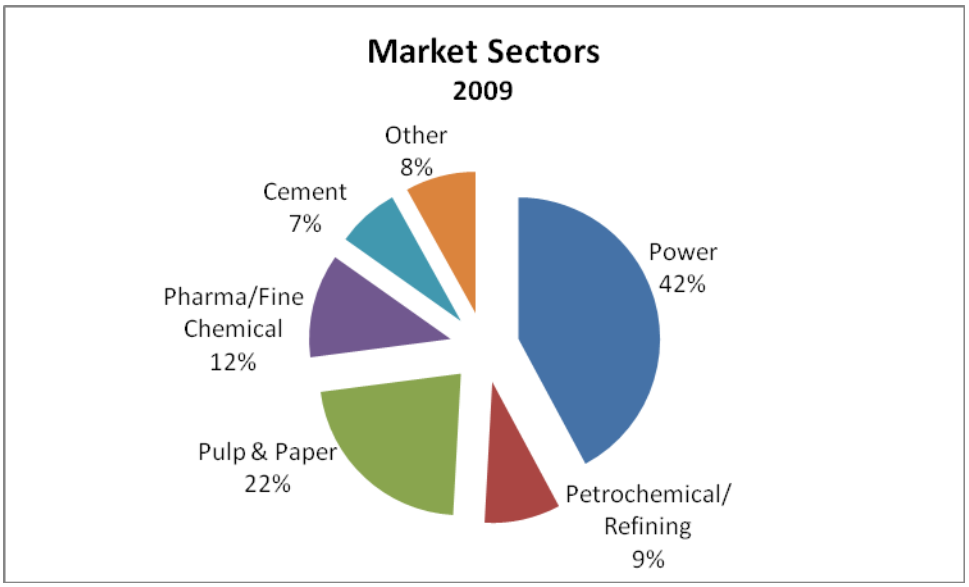
**New DAS Projects**

| Plant Name | State | Plant Profile |
|---|---|---|
| LS Power Plum Point | AR | 1 Coal Fired Boiler plus Scrubber Outlet Monitoring |
| Kleen Energy | CT | 2 Combustion Turbines/Gas Only |
| L'Energia | MA | 3 Combined Cycle Units/Gas & Oil Fired |
| Cornell University | NY | Added 1 Combustion Turbine to existing VIM DAS as part of plant expansion project |
| University of Austin | TX | 1 Combined Cycle Unit/Gas Only |

## Markets Overview

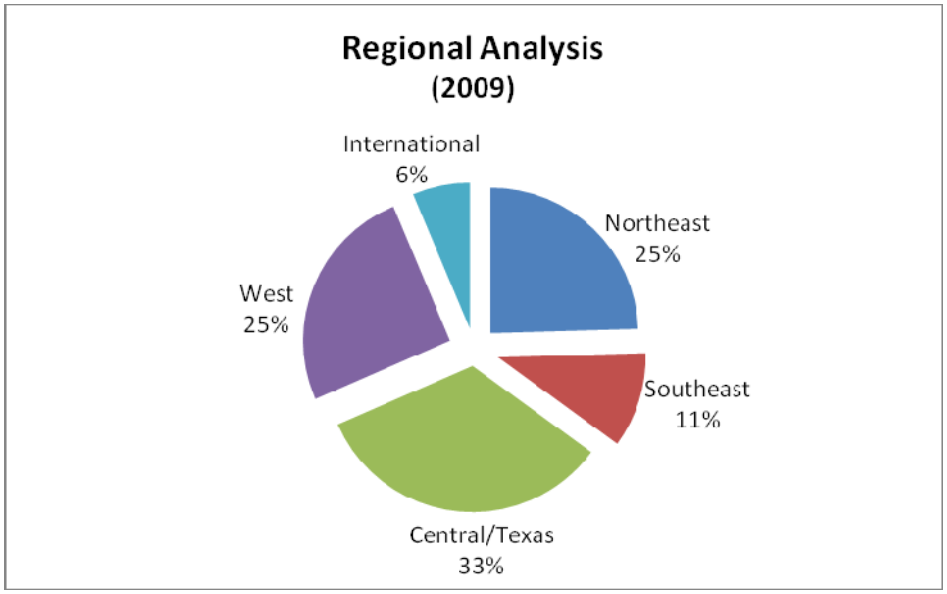
VIM Technologies, Inc. is a diverse company providing site-specific solutions across a wide variety of air compliance applications. We have a long, consistent history of success built around a customer-centric business model. Power has always been our primary focus but we have had much success in the Industrial sectors as well. The following Charts offer a snapshot of our installation base and the areas of the industry that have contributed to our recent growth model.

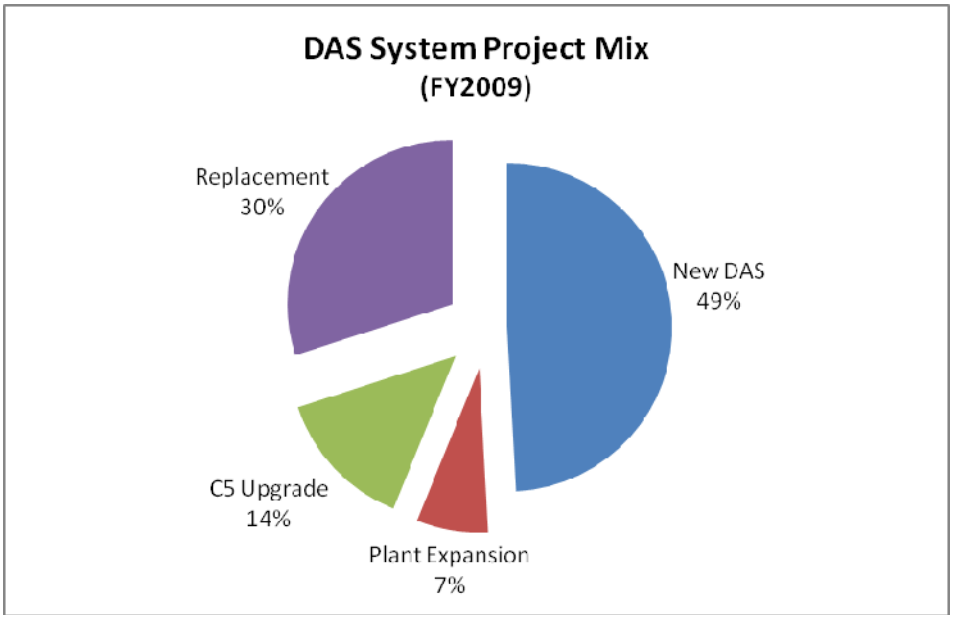


## Markets Overview (continued)

VIM Technologies, Inc. has been installing DAS systems serving the worldwide market for over 18 years. Our business model is based on a mix of domestic and international locations providing new DAS Projects as well as serving the needs of the replacement DAS market.



## Solution Methodology

Methodology & Approach:
VIM Technologies, Inc. takes a systematic approach to each DAS project we take on. There are six (6) essential elements that are applied. We see these as being keys to success providing the Buyer with a field tested formula and accountability chain not typically seen in the DAS software arena.

The essential elements of success for an integrated VIM Technologies, Inc. DAS Solution are as follows:

- Comprehensive Site Assessment
- Engineering & Design
- Build & Test
- Installation, Start Up and Commissioning
- Ongoing Support
- Ongoing Compliance

Each of these essential elements have been refined and improved over the past 15 years. By selecting VIM Technologies, Inc. for this DAS Replacement Project, you will be gaining the full benefit of this process and a technical result that will serve them now and in the future. The detailed overview of each step is as follows:

Comprehensive Site Assessment
The purpose of this step is to allow VIM Technologies, Inc. to gain a full understanding of the site specific needs prior to submitting a bid and/or kicking off a new project. During this step we will review all applicable Specifications and Air Permits with the intent of providing the most cost-effective, technically sound solution possible. As we develop our solution methodology we consider existing CEMS control hardware, existing communication schemes, reporting needs and access to data, as all of these elements have a direct impact on the proposed scope of supply. Our mission during the assessment phase is to provide the best solution possible at a price point that makes sense for both parties.

Engineering & Design
VIM Technologies, Inc. develops a site-specific Engineering & Design Packet for each DAS solution we implement. The task of building the Engineering & Design Packet is controlled by the Project Manager. The Project Manager builds these documents with support from a Project Engineer, Software Development personnel and our Air Compliance Manager. Each Packet is broken down into the following four (4) sections:

1. *Project Profile*
   Defines the Project Team and calls out all the DAS hardware associated with the scope of supply including but not limited to the CEMS Control Hardware (PLC), the I/O modules, the I/O map (point to point) and the DAS PC hardware.
2. *Equations Document*
   Defines all the equations that will be applied to the air compliance engine.
3. *DAS Notes*
   Defines all the data validations, emission limits, applicable air compliance methodologies for each measured stack constituent, averages, reports and all other compliance related information that will be used to configure the site-specific solution.
4. *Missing Data Logic*
   Defines the applicable missing data logic methodology that will be used to build that part of the compliance engine.

This Engineering & Design Packet evolves into the final design blueprint for the DAS. We use it as an approval process between us and our compliance partner. The packet is typically developed and

sent within 2-3 weeks of the Project Kick Off Meeting. You are then asked to review, approve or make changes to the documents through a red-line process. We incorporate or recommend based on the proposed changes until we come to an agreement in principle and methodology. Once the approval process is finalized, we stamp the document as a certified design and we begin configuration of your system. This process is unique to a VIM approach and ensures a high rate of installation success.

A sample packet matching your project profile from a recent project is available upon request.

Build & Test

The system is configured using the certified Engineering & Design Packet as the guide. Once the programming and system configuration is complete the system goes to our lab for in-house bench testing. Upon completion of the bench test, the system then goes into a QA/QC process under the direction of the Project Manager. Once the system has passed our internal QA/QC procedure it is then ready for the Factory Acceptance Test (FAT). All compliance partners are encouraged to witness the Factory Acceptance Test. A typical FAT takes 1-2-days depending on the complexity of the configuration and the needs of the end user.

Installation, Start Up & Commissioning

VIM Technologies, Inc. has a staff of experienced field personnel available to help with on-site start-up and commissioning of the DAS system. In most case, the Project Engineer will be on-site to complete this work personally. By making this the responsibility of the Project Engineer we give you the added benefit of accountability and direct results. We do not employee third party companies to install our DAS systems. You will not have to work through layers of communication to get things done during or following the installation. Project installations of replacement systems are carefully crafted to minimize monitor down-time.

Ongoing Support

VIM Technologies, Inc. offers a full 12-month warranty on all equipment and software associated with each DAS installation. During this time you have 24/7 access to your Project Manager and our Customer Support Team. This includes access to us during normal business hours and after-hours access to our on-call system through our support hotline. We believe in and support an unlimited access system. During the warranty period, you will have unlimited access to us.

Our Customer Support Team is based in our Corporate Offices in Hanover, MD. In addition, we have field support and technical personnel located in Kentucky, Massachusetts, New Jersey, North Carolina and Pennsylvania. Everyone on our staff has a technical background in environmental monitoring, software design and/or plant operations. Every member of the VIM staff is also a key member of our Customer Support Team.

VIM Technologies, Inc. offers a full range of post-warranty support services managed under our Maintenance Agreement Program. Our most common approach is a Telephone Support Agreement which is managed remotely through our Customer Support Team. This has been a very successful program with our compliance partners participating in an annual or multi-year agreement, depending on individual budgets and commercial needs.

## Solution Methodology (continued)

Ongoing Compliance

As our compliance partner you have ready access to our Compliance Support Team. This group of air compliance experts is available to answer questions about your current system and act as a resource for developing requirements that may impact your future air compliance model. They oversee every compliance aspect of our DAS solutions and work hand in hand with our partners in finding the best possible reporting scenarios based on your source-based reporting requirements.

The concept of ongoing compliance support is another benefit of being a VIM Technologies, Inc. compliance partner. Under our compliance umbrella, we provide watchdog communications services, workshops, user groups and information updates based on our observations of the industry. Key members of the VIM Technologies, Inc. management team participate in all regulatory meetings/conferences that may affect our partners. As our compliance partner you will receive all these services for just joining our team.

In addition to the regular Maintenance Agreement Program we offer another, higher level of service that is managed by our Compliance Support Team. Compliance Optimization and Monitoring Performance Service (COMPAS) assigns a regulatory expert to your site with the sole purpose of assisting you in optimizing your data. This particular service is very useful in helping sources manage emission credits. COMPAS is a rider to a standard agreement custom fit to meet your needs.

Our Manager of Environmental Services is responsible for tracking air compliance at the national and local level. He works closely with the software development group ensuring that the compliance engines of our DAS solutions are current and accurate in their methods of handling data. In addition to these duties, he oversees all of the COMPAS contracts and manages the staff we have assigned to support them.

Summary of Solution Methodology Key Points

1. We are experienced in providing site-specific DAS solutions to the electric power industry.
2. We are experienced in providing DAS solutions tailored to meet State specific requirements for all types of industries.
3. We review all pertinent information about a particular source and application prior to submitting a proposed DAS solution.
4. We make technical recommendations based on our experience.
5. We develop detailed engineering and design documentation through a two-way approval process prior to writing any project related code.
6. We have a robust test program prior to shipment.
7. We provide all the services required to commission the system.
8. We have a service oriented approach to support.
9. We operate support out of our corporate offices as well as from field locations around the country.
10. We provide a culture and staffing infrastructure that supports ongoing compliance.

## Common Questions & Answers

*What do you see as the major elements and considerations for a DAS Replacement project?*

You have to proceed with the confidence that you have selected a vendor that will satisfy the fundamental technical elements of the project and provide the support they will need to see it through to its completion. A process based on status quo and hands off approach to compliance will not adequately meet the needs of any DAS replacement project. You need a vendor that is involved at the of Federal, State, and Local Environmental compliance levels. VIM Technologies, Inc. provides that compliance link and is involved every step of the way.

Beyond the general technical issues associated with a regular Acid Rain and NOx SIP affected sources, your project has a lot vested in future elements in order to meet regulatory compliance after the initial installation. Interstate transport rules, CAIR and CAMR compliance will impact how you comply down the road. This raises additional concerns for any end user regarding the integrity of the bid response and the possibility of hidden future costs. In evaluating possible vendors against references, you should be asking the hard questions about how secure they feel with the vendor they have and how easy the process of compliance is for them. Integrity is crucial in a situation like this one.

The major elements and considerations for any DAS Replacement project as noted by VIM Technologies, Inc. are as follows:

1. Air compliance requirements and Air Permits should be fully understood prior to the submittal of a DAS Replacement scope of supply.
2. Project phasing should be adjusted to ensure regulatory and site-specific deadlines are met.
3. Technical decisions regarding how best to handle multiple limits based on fuel type and operating mode need to be determined at the design phase of the project.
4. The need for a high level kick off meeting and open communications during the design phase to ensure that the project definitions are fully understood and that the proposed solution is agreed upon before writing code.
5. Acceptance and performance criteria for the replacement DAS system should be fully defined before proceeding with the project.

*What suggestions, advice or direction would you offer for assisting a source in guaranteeing a successful project?*

1. Start with a comprehensive bid specification.
2. Allow perspective partners to conduct a site walk-down before submitting a scope of supply bid.
3. Select a partner not a vendor.
4. Don’t make a price-based decision; conduct a bid review meeting with the short list qualifiers.
5. Keep communication lines open.
6. Integrate milestones and checkpoints into the process to help ensure success.
7. Call the references and ask the hard questions about support, response times and overall performance.
8. Witness the Factory Test before shipment.
9. Make the necessary personnel available during the installation
10. Make sure key personnel participate in the training

*Briefly, how would you like us to remember your company?*

We believe that if you purchase a system from VIM Technologies, Inc. you are ensuring success on this project. Our track record proves that we are the best DAS system on the market, and the company poised to serve you in the future with whatever needs should arise.

## Resumes

VIM Technologies, Inc. brings a high level of professional excellence to the field of air compliance software products and services. Our experts bring their many years of air compliance experience to our compliance partners and are fully accessible to the end users. We operate in mode of continuous improvement and develop our software solutions with customer inputs.

VIM Technologies, Inc. is headquartered in Hanover, MD. We have key personnel located in Pennsylvania, New Jersey, Massachusetts, Knoxville, Ohio, North Carolina, Louisville and Texas (soon to be re-located). Key members of our Team that are available to Exelon as part of this project include:

**Commercial & Logistics**

**Matt Caldwell – President**

Matt is a 1990 graduate of The United States Naval Academy with a Bachelor of Science degree in Systems Engineering. Matt worked as a process controls engineer for two years after graduating from the Naval Academy before founding 1992.

Matt spent much of the 90's developing data acquisition solutions for the CEMS industry. During this time his work spanned everything from DOS, to multi-tasking environments, to OS2 and finally to Microsoft Windows. His expertise lies in adapting control solutions to fit customer specific needs, as they relate specifically to the air compliance industry.

Matt serves as President of VIM Technologies, Inc.

**Matt Radigan – Business Development Manager**

Matt is a 1978 graduate of Fitchburg State College with a Bachelor of Science degree in Biology and Secondary Education. After 8 years as a development scientist and laboratory manager in the water purification industry, Matt got involved in gas analysis as a technical specialist with a leading manufacturer of gas monitoring equipment.

Matt worked for Servomex Inc. for 10 years in various capacities including the Technical Sales Director for CEMS, Environmental and OEM monitoring. Matt moved into the field of compliance data acquisition with EC Systems – a division of ORR Protection Systems – Louisville, KY in the role of General Manager. During his time at EC Systems, Matt assisted the management team in the successful sale of the business to a privately held environmental monitoring company located in Hatfield, PA.

Matt joined VIM Technologies, Inc., in the spring of 2001, bringing a deep understanding of CEMS application knowledge and hands on CEMS expertise to his role as the business development manager for the company.

**Operations & Technical Support**

**Rick McIlwain – Operations Manager**

Rick is a 1993 graduate of Virginia Polytechnic Institute & State University with a Bachelor of Science degree in Mathematics.

After earning his degree, Rick worked as the CEMS manager at the Hopewell Regional Wastewater Treatment Facility. Prior to joining VIM Technologies Inc. in 1998, Rick worked for Hull Environmental Products as a Service Engineer, where he designed, supported, and installed CEMS throughout the United States.

Rick joined VIM in 1999 and has held positions in the company including Senior Systems Engineer and Product Development Manager before taking on the role of Operations Manager. He coordinated all aspects of the development of VIM's current CEMLink 5 product and now uses that in-depth knowledge to provide for optimal customer satisfaction with new order deliveries. He is

responsible for coordinating the software development, project management, technical support, quality control, and internal sales processes within VIM

**Bill Cullop – Service Manager**
Bill is a 1991 Graduate the University of Louisville Speed Scientific School with a Bachelor of Science in Electrical Engineering

Bill worked as a research scientist from 1991 - 1993 for the Naval Research Lab, Washington, DC in the Applied Ocean Acoustics Division. From 1993 - 2003 he worked for EC Systems / KVB-Enertec as a Project Engineer and Software Developer both in the CEMS industry and the LDAR (Fugitive Emissions) market. During his time at EC Systems and KVB-Enertec Bill was responsible for the Project Management and Software Support for over 100 Acid Rain/NOx SIP Call EDRs at Carolina Power & Light, OGE and Florida Power & Light. Bill was responsible for enhancing and developing software for these markets as well as delivering projects.

Bill has been with VIM Technologies, Inc. since 2003 and was responsible for engineering and managing data acquisition projects. Over his career, Bill has performed numerous site installations and replacement of CEM Data Acquisition Systems. Bill currently manages the software support department and assists in special projects.

**Project Management**
**Tom DiBello – Manager of Projects**
Tom is a 1978 graduate of Abington High School and EMVTS graduate with certificate in Business Development.

After graduating, Tom worked as the electrical shop foreman at JM Systems. Here Tom helped startup the company's CEMS division. With responsibilities that included design, installation and support of the CEMS product line. Prior to joining VIM Technologies Inc. in 1999, Tom worked for Hull Environmental Products as a Service Engineer, where he designed, supported, and installed CEMS throughout the United States.

Since joining VIM Technologies, Inc., Tom has installed and supported projects all over the world spear heading the company's international commitment. For the last 5 years Tom has managed all of VIM's major projects

**Louis Gasper – Project Manager**
Louis is a 2002 graduate of The Pennsylvania State University with a Bachelor of Science degree in Electrical Engineering. Louis obtained an EIT Certification in Pennsylvania shortly after graduation.

Prior to joining VIM Technologies, Inc. in 2004, Louis worked as a Project Engineer with Garland Commercial Industries, Inc. managing developmental projects in commercial cooking equipment for customers such as McDonalds and Tim Hortons. Louis worked closely with the Senior Electrical Engineer to apply sound electrical engineering principles to future product lines.

Louis joined VIM Technologies, Inc. in 2004 as in Inside Sales Engineer. In this role, Louis developed application-specific PLC/PC based data solution bid packages based on customers' specifications meeting their regulatory requirements while staying within their budget and time constraints. After two years in the sales department, Louis transitioned into a Project Engineer role where his primary duties included the design, testing, installation, startup, and support of new CEMS reporting projects. As a Project Manager, Louis continues to fulfill the duties of a Project Engineer while also managing multiple projects and their associated requirements and schedules and directs other engineers through the process of a successful project completion.

**Compliance & Compliance Services**

**Rudi Muenster – COMPAS Product Manager / Compliance Manager**

Rudi is a 1992 graduate of the State University of New York Maritime College with a Bachelor of Science degree in Naval Architecture. He also received a Masters degree in Environmental Engineering from the New Jersey Institute of Technology.

Prior to joining VIM Technologies Inc. Rudi worked as an environmental engineer for Duke / Fluor Daniel. He served as lead environmental engineer for multiple engineering, procurement, and construction (EPC) projects and the operation of facilities. He was responsible for project and facility adherence to all environmental requirements (air, water, hazardous waste, etc). Prior to joining Duke / Fluor Daniel he was the Sole Regulatory Specialist for KVB-Enertec. Rudi was the project manager for implementing EDR 2.1 and was responsible for the NTDAS Focus software development effort.

Rudi joined VIM Technologies, Inc. in 2003 and is responsible for reviewing and advising on all aspects of environmental compliance within the company. This covers project requirements, product development, customer consulting, and training. Rudi also manages the VIM Compliance Optimization & Monitor Performance Accuracy Service (COMPAS) Program. This program focuses on the quality of compliance data, and an ongoing service to provide feedback and corrective action on the accuracy and quality of reporting compliance data for end-users.

**Bill Mitchell – Sr. Environmental Engineer**

Bill earned a Bachelor of Engineering degree from Steven Institute of Technology in 1988 and has over 20 years experience with environmental compliance in the power generation industry. Bill joined VIM late in 2008 and has used his extensive plant operations experience to increase the value-added services provided by our COMPAS product and the efficiency by which we provide them.

The majority of his career has been with PSEG although most recently with AEP. With nine years as an Instrumentation and Controls Engineer/Supervisor at a major coal-fired facility in New Jersey, he was directly responsible for supervising the daily operation and maintenance of the facility's CEMS systems. He then worked six years in the fossil generation environmental support organization where he developed and implemented both management and computer systems to include environmental factors into unit dispatching and to assist with federal and state reporting across PSEG's entire fleet.

Bill has always had a flair for automated data management systems. For daily compliance with the NJ NOx RACT rule's fleet-wide averaging provisions, Bill developed a system using automatically generated reports from each stack's GE NTDAHS, Microsoft Excel and Access to reduce the manpower requirements for reporting and recordkeeping by over 90%.

Looking for new opportunities, in 2002, Bill transferred to the Midwest to two combined-cycle facilities being constructed by Duke / Fluor Daniel for PSEG. He developed and oversaw all of the environmental compliance programs (air, water, waste, etc.) at the facilities as well as working with state agencies to resolve permitting issues during construction and initial operation. Bill was also responsible for all environmental reporting at these facilities. Here again, Bill developed a system using GE NetDAHS, PI and Excel to automate the state EER reporting. He also developed an Excel/PI-based system to analyze thermal efficiency and unit performance. For a brief time, Bill was also responsible for the daily operation of one of the facilities.

**Product Development**

**William Lawson – Software Development Manager**

Bill is a graduate of Millersville University with a B.S. in Computer Science. He has 19 years of experience in software development and is a recognized leader in development of database-centric software solutions. Prior to joining VIM in August - 2008, Bill was employed by GE / KVB-Enertec for six years as the technical leader of the GE NetDAHS software development team. In addition to team leadership, Bill provided significant development contributions in porting the DAS software from Sybase to SQL Server. Some of his technical contributions include a 17x speed improvement of the EDR generation process, PI system integration, smooth field installations, and database conversions.

Bill is a strong customer advocate and has ingrained belief that technical solutions are only valuable if they solve customer business needs with the least amount of customer effort. As part of his leadership style, Bill continues to emphasize that it is unacceptable to burden a user with solvable issues. Technical achievements aside, Bill is most proud of his innate ability to listen and deeply understand customer business needs and points of view, then leading developers and other colleagues in creating the right solution.

Bill is proud to now lead VIM's software development of compliance systems. He has a staff of 5-developers on his Team. He continues to build his team's expertise and direct the development of powerful, yet elegant compliance solutions
utilizing modern Microsoft technologies such as SQL Server 2008. Bill's team's newest work is under development and capable of quickly handling billions of records, and featuring rich graphical interfaces and reporting abilities.

## References

VIM Technologies, Inc. has been providing state of the art, air compliance software solutions since 1992. Our DAS systems are configured to meet all levels of USEPA, State and Local regulations. We serve a variety of applications and industries including: Power Generation, Petrochemical, Pulp & Paper, Fine Chemical, Pharmaceutical, Cement, Waste Incineration and Waste-water Treatment. Based in Hanover, MD we have supplied systems throughout the continental United States, Canada, Latin America and the Middle East. Our clients include: Duke Energy, Cogentrix, Siemens-Westinghouse, NAES, Primary Energy, TVA, Sunoco Inc, BP Oil, Lion Oil, International Paper, Weyerhaeuser, Mead-Westvaco, Bristol-Meyers, Merck, Holcim, Essroc, St. Lawrence Cement and others.

References matching your DAS needs, monitoring applications and compliance requirements are available upon request.