



Case Study

# AgreeYa Solutions Implements Refrigerant Registration and Reporting (R3) System for State Owned Clean Air Regulatory Agency



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## Summary

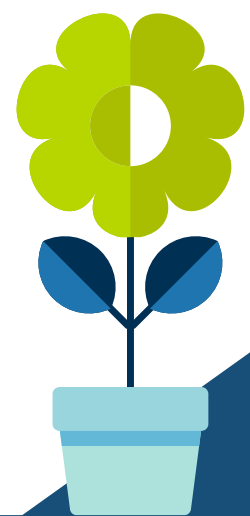
Under its Refrigerant Management Program (RMP) the agency regulates stationary, non-residential refrigeration systems using more than 50 pounds of a high global warming potential (high-GWP) refrigerant. The RMP seeks to reduce emissions of high-GWP refrigerants from leaking by closely tracking the installation and servicing of refrigeration systems across the state. To support this effort, the agency partnered with AgreeYa Solutions to implement and maintain a web-based solution that enabled them to effectively identify, register and monitor such systems. The Refrigerant Reporting and Registration (R3) system implemented by AgreeYa enabled the client to automate essential regulatory functions and provided its users with an easy-to-use self-service online portal.

## The Customer

A state agency that monitors and regulates air quality in the state of California. Established in 1967 to find solutions to the state's air pollution problems, it has the unique distinction of being the only such regulatory agency in the United States.

## The Need

Through the RMP, the agency seeks to reduce greenhouse gas (GHG) emissions from non-residential refrigeration systems. To achieve this goal, the client needed to put a system into place that allowed it to centrally detect and monitor refrigerant leaks, as well as track refrigeration equipment usage, sale and disposal by facilitating the registration of such instances by their respective owners, operators, distributors, wholesalers and reclaimers. The system also had to meet a number of business requirements, including financial reporting to state accounting systems, enforcement requirements for regulatory audits, as well as business intelligence and reporting capabilities for the scientists working on the clean air emissions goals of the agency.



## The Solution

The success of the engagement depended upon implementing an effective solution that would enable the state agency to automate all of these essential business functions under the RMP. In addition, the solution needed to provide a simple interface and ease-of-use for its intended users comprising of more than 25,000 facilities with large commercial refrigeration systems across the state of California.

Keeping client's requirements in mind, AgreeYa proposed developing a web based self-service portal using proven agile and iterative software development methodology. AgreeYa developed the R3 system and worked closely with the client's IT team to implement and manage it. Since they wanted a scalable environment that could be easily integrated with other products and applications in the future, AgreeYa suggested an open source platform for developing the R3 system.

AgreeYa's technology experts in consultation with the client created a secured framework that involved a comprehensive role-based, user authentication mechanism to meet state security compliance mandates. In order to simplify user experience, a workflow-based application was developed in alignment with client's business processes. The program was delivered in four code sprints so that the client could evaluate the progress and usability of the system throughout development.

## The Results

Today, the R3 program accomplishes the following objectives for the state agency:

- A scalable system to support the state agency's RMP registration, recordkeeping, reporting and inspection status functions
- Online customer self-service system for easy access to information
- A secure system that provides interface, data import, fee payment and reporting functionality that facilitates seamless and transparent data sharing and reporting
- A web-interface that enables enforcement actions (inspections) and data sharing between regulatory agencies, client's business units and other external stakeholders.

## The Technology

The R3 system is a web-based, browser agnostic application. User access to the R3 system is provided over the public Internet from the agency's centrally hosted server.

The application was developed using a LAMP (Linux, Apache, MySQL and PHP) technology stack.



## About AgreeYa Solutions

AgreeYa is a global provider of software, solutions, and services focused on deploying business-driven, technology-enabled solutions that create next-generation competitive advantages for customers. Headquartered in Folsom, California, AgreeYa employs more than 1,500 professionals across its 23 offices in 8 countries. Over the last 18 years, AgreeYa has worked with 500+ organizations ranging from Fortune 100 firms to small and large businesses across industries. AgreeYa's software portfolio includes SocialXtend (intranet and enterprise social collaboration), Cogent (comprehensive end-to-end case management solution for collections agencies and law firms), QuickApps (award winning suite of SharePoint web parts and pre-built templates), Site Administrator (gain insight for improved compliance and governance of your SharePoint environment), Recovery Manager (solution for rapid and scalable SharePoint content restores) and BeatBlip (Test Automation as a Service). As part of its solutions and services offerings, AgreeYa provides portal, content management, and collaboration on SharePoint, cloud and infrastructure, enterprise mobility, business intelligence and big data analytics, product engineering, application development and management, independent software testing, and staffing (IT and risk/compliance) solutions.

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