



PRODUCT ENGINEERING

CASE STUDY

EMISSION TRACKING SYSTEM

South Coast Air Quality Management District ensured **efficient processing of Rule 2202 registrations**, thereby **reducing mobile source emissions and improving air quality across California**, with R Systems' Emission Tracking System.



www.rsystems.com

Problem Statement

The South Coast Air Quality Management District (SCAQMD) Transportation Programs Staff's application system could not efficiently support/manage Rule 2202 registrations, which aimed at reducing mobile source emissions.

Business Need

- A tool, fully integrated with all SCAQMD systems, to process Rule 2202 registrations
- The tool must contain easy-to-navigate data entry screens, registration folders, and no-fault inspection screens

Solution Approach

- Re-designed, developed and implemented a windows-based server application, Mobile Source Emission Tracking System (MSETS)
- Developed a 32-bit Powerbuilder 7.x application, using Powerbuilder Foundation Classes (PFC)
- Integrated SCAQMD's Central Information Repository Database (DBCIR), an Ingress RDBMS on a UNIX-based DEC8400 machine
- Supported storage of all data elements in normalized tables using standard naming conventions for reduced data redundancy

The Benefits

- Easier processing of Rule 2202 registrations
- Streamlined creation and tracking of registration of programs/strategies
- Creation of new work sites with reduced mobile source emissions
- Improved air quality across:

Across
12,000
Sq. Miles

For
14Mn
Residents