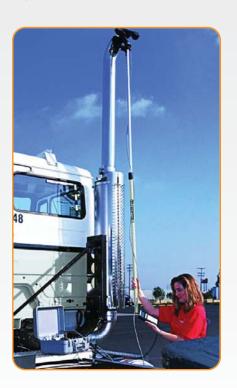# Red Mountain, Inc. Takes Emissions to Another Level

By: Meghan Rogers / May 23, 2012

A Two Technologies Case Study

In the United States, there are specific limits in place that regulate the amount of pollutants allowed to be released into the air from vehicles, power plants, and industries. These standards are nationally regulated by the Environmental Protection Agency (EPA). The state of California has an even more stringent system in place that regulates the amount of pollutants that can be released, which is dictated by the California Air Resources Board (CARB). Many other states elect to follow these strict regulations as well. The value and importance of these regulations are critical to the health of our country and planet. Not only must they be followed in order for all vehicles to be legally operated, but they also exist to limit the damage from pollutants, which has a direct affect on the health of our planet and its inhabitants.

According to the American Lung Association's "State of the Air" report for 2012, air pollution is a problem that has many detrimental side effects. Not only does it aggravate breathing issues such as asthma and allergies, but it has also been linked to more serious lung and heart problems. Diesel emissions, for example, have been specifically linked to cancer. California has some of the most polluted cities in the country, hence their strong dedication to regulating emissions. The State of the Air report uses three specific criteria for regulating these emissions; worst pollution by ozone, worst pollution by year round particle pollution, and worst pollution by short term particle pollution. For ozone, California is home to 13 of the 25 worst polluted cities in America, including the seven top spots. For year round particle pollution, cities in California hold the top five positions out of 25. For short term particle pollution, California holds ten of the top 25 most polluted cities, including the top five spots. More than 9,000 people in California die prematurely every year from air pollution, not taking into account the rest of the country, and making the necessity of these regulations obvious.

Red Mountain, Inc., an innovative engineering company headquartered in California, has designed a product to test emissions from vehicles. This product, the Smoke Check 1667, is extremely beneficial to those companies and industries that rely heavily on fleets of cars and trucks. The Smoke Check 1667 is an easy and light weight solution for businesses. It is com-

THE COMPANY

THE INDUSTRY

Emissions Testing

THE CHALLENGES

Allow companies to easily test emissions

THE SOLUTION
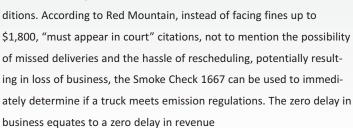
Two Technologies' TechTerm®

THE RESULTS

Smoke Check 1667: an easy and light weight solution

"Two Technologies' TechTerm® hand held terminal was selected by Red Mountain for both its hard-working reputation and its reasonable price."

Two Technologies, Inc.
Hand Held Computers • Your Way • Since 1987

pletely portable at less than 20 pounds, making it possible for one person to easily perform the test, store the data, and then print the test results for proof and verification. The meter features temperature and humidity sensors that compensate for conditions in the environment, so it can be used regardless of weather conditions. According to Red Mountain, instead of facing fines up to $1,800, "must appear in court" citations, not to mention the possibility of missed deliveries and the hassle of rescheduling, potentially resulting in loss of business, the Smoke Check 1667 can be used to immediately determine if a truck meets emission regulations. The zero delay in business equates to a zero delay in revenue

Red Mountain turned to longtime partner Two Technologies, Inc., a Horsham Pennsylvania based manufacturer of rugged, customizable hand held terminals and computers, to provide the critical operator interface to the Smoke Check 1667. Two Technologies' TechTerm® hand held terminal was selected by Red Mountain for both its hardworking reputation and its reasonable price. Designed specifically for

rugged applications, like all Two Technologies' products, the TechTerm is molded from Cycolac ABS®, a durable chemical and splash resistant material. Featuring multiple function keys that can be uniquely programmed to suit specific customers' needs, an 80-character LCD screen that can be backlit if desired, as well as the TechTerm's ability to operate on electric or battery power, made it a clear choice for Red Mountain's Smoke Check 1667 operator interface. Additionally, due to the portability of the Smoke Check 1667, the TechTerm met the criteria to run on battery power, lasting as long as 40 hours on a full charge.

The importance of emissions testing is undeniable. Red Mountain's Smoke Check 1667 helps industries maintain their businesses while adhering to the strictest of guidelines set for the United States to protect the planet. Living in an ever-increasing age of technology and industry, emissions regulations are sure to be a necessity for a long time to come in an effort to slow the damage to our people and planet.

About Red Mountain
Red Mountain, Inc is an engineering company that specializes in emissions testing solutions. Located in Irvine, California, Red Mountain's Smoke Check 1667 was chosen by multiple states, including California, Pennsylvania, and New York, for government emissions testing. Learn more about Red Mountain at **http://www.redmtnengr.com/**

About Two Technologies
Two Technologies Inc. designs and manufactures customizable, rugged hand held computer and terminal products for global applications. With over 4,000 customers and one million products in the field, its devices are deployed worldwide, helping to improve operational efficiency and bottom-line performance. Founded in 1987, Two Technologies continues to be recognized for providing unsurpassed value and service to its VARs and OEM customers. The company has succeeded in leading its market segment by providing high quality, cost-effective, customizable products with industry-best customer service. The company's highly automated manufacturing and test facility in Horsham, Pennsylvania is a model for state-of-the-art, surface mount assembly and is certified to meet ISO 9001:2000 Standards. All standard products from Two Technologies are FCC and CE certified, and RoHS compliant.

Two Technologies, Inc.®
Hand Held Computers • Your Way • Since 1987

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