

## CASE STUDY

Plasma Air Helps Tortoise Rock Casino Reduce Odors and Improve Indoor Air Quality for a Healthier and More Enjoyable Environment

- Reduced Odors
- Directly Installed into Existing HVAC System Rooftop Units
- Substantially Improved Air Quality

## Tortoise Rock Casino

### BACKGROUND

As the casino market grows increasingly competitive, it is critical to provide a safe and healthy environment for both customers and personnel. Throughout California and across the nation, many casinos are becoming smoke-free establishments to combat the issues surrounding indoor smoking, including the health risks of second-hand smoke as well as associated unpleasant odors.



TORTOISE ROCK  
CASINO

While bans on smoking within casinos have been established in many regions around the country, the facilities that maintain smoker-friendly status face a significant challenge when attempting to create an environment that is safe and comfortable for all patrons. Today, casino owners and operators must strike a careful balance between safety and enjoyment to maintain a carefree atmosphere that will keep their customers comfortable and entertained.

### THE CHALLENGE

Tortoise Rock Casino in Palm Springs, California, faces a unique situation in regards to its smoker-friendly status. Unlike state regulated gambling facilities, Tortoise Rock is not subject to non-smoking laws, putting it in a position of great responsibility when it comes to protecting the health and well-being of its patrons in a way that can compete with non-smoking casinos.

Customer satisfaction is Tortoise Rock's ultimate goal, as they seek new and innovative solutions to managing and reducing the amount of cigarette smoke throughout their 30,000-square-foot facility. As patrons enjoy their time on the gaming floor, high levels of smoke particles and harmful toxins circulate throughout the building, resulting in discomfort among customers and workers. In order to maintain smoker-friendly status while remaining competitive within the California casino market, Tortoise Rock needed an effective method for reducing the harmful and unpleasant effects of cigarette smoke in the gaming environment.

### THE SOLUTION

Plasma Air bipolar ionization technology was installed directly into the casino's rooftop units (RTUs) in order to purify all the air that circulates throughout the facility. As air passes over the ionization tubes, millions of ions are produced that travel through the duct system and out onto the

gaming floor to attack odorous and harmful pollutants on a molecular level. With fast and simple installation, the Plasma Air ionizers go to work immediately to reduce particles, neutralize odors, control Volatile Organic Compounds (VOCs), and kill bacteria and viruses.

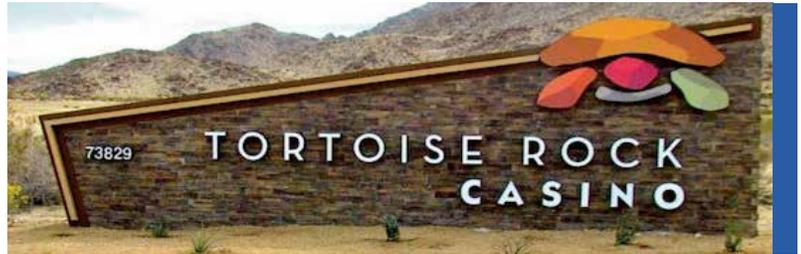
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## RESULTS

By utilizing Plasma Air's ionization technology, Tortoise Rock sustained a significant improvement of indoor air quality throughout the casino. Patrons and employees benefitted from a healthy and comfortable breathing environment, and customers extended their stay and increased their enjoyment of the facility.

As Brandon Dumond, the Facility Manager of Tortoise Rock explained, "Upon installation of the Plasma Air system, the air quality throughout our facility improved virtually instantly. Both customers and staff were quick to notice the difference, and as a result of the newly purified environment, we rarely receive complaints about cigarette smoke. We could not ask for a better product or better customer service."



## ABOUT PLASMA AIR INTERNATIONAL

Plasma Air International manufactures air purification products that result in healthier, more productive indoor environments in institutional, commercial and industrial applications. The company uses highly efficient bipolar ionization technology that supports the engineering community in utilizing ASHRAE's Standard 62.1 IAQ Procedure to reduce outside air intake. For further details on the company, please visit [www.plasma-air.com](http://www.plasma-air.com).



## ABOUT THE 50 SERIES

Plasma Air models 51E, 51F, 52E, and 52F air ion generators are 5 tube industrial quality units intended for installation in air handling units or in duct systems for commercial and industrial facilities.

This ionization equipment is effective in reducing harmful pollutants and odors by introducing positive and negative ions in the system airflow. The number of units and the size of the ionization tubes are dependent upon the airflow in the system and the severity of the pollution problem.



*Positive Air Quality - Negative Energy Costs*

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