

# Zero Emissions Bus Project

SOTERIA PROJECT PROFILE



**Project:** Zero Emissions Bus Project

**Agency:** Santa Clara Valley Transportation Authority

**Client:** Linda J. Meadow and Associates

**Soteria's Role:** Provided Safety Certification Support for hydrogen fuel cell buses, a maintenance facility, and a hydrogen fueling island

**Completion:** 2005

## Project Overview

The Zero Emissions Bus Project was a demonstration project to develop and demonstrate advanced charging controls and reduced costs through deploying an integrated, smart charging platform. The Project also informed VTA's long-term electric bus infrastructure strategy for comprehensive bus electrification.

The state approved the fuel-cell experiment in 2000, with VTA and SamTrans each contributing \$6 million to the project and with federal and state money covering the final \$6 million. Hybrid buses running on diesel and electricity weren't included in the demonstration since those buses contribute more to smog levels than do hydrogen buses.

The three zero-emission buses began running in 2005 in Santa Clara County, from express routes to its most heavily traveled lines.

## Soteria's Contribution to This Project

Soteria led the Safety Certification Program for the hydrogen fuel cell buses, a maintenance facility, and a hydrogen fueling island.

