



# Company

## Company Overview

In 1992, Thomas R. Potter founded Reno A&E. During 1994, Reno A&E started initial research and development efforts to advance the inductive loop vehicle detection system. Delivery of these first technologically advanced loop detectors began in late 1996. Mr. Potter organized this electronics company with a strong management, engineering, and manufacturing team committed to the principle of "Excellence".

While today Reno A&E produces a number of electronic products, inductive loop detection systems were the first products produced. Inductive loop detection systems have been in use since the 1960s. Since 1972, Mr. Potter has developed many patented inventions based on the detector module. These inventions are now widely used in vehicle detection systems in applications such as traffic control systems and controlled parking facilities.

An inductive loop vehicle detection system consists of two parts: an inductive loop and a detector module. An inductive loop is a wire usually wound in a rectangular or square shape that is typically seen cut into the pavement. The ends of the wire are brought back to an enclosure which houses the inductive loop detector module. The detector module oscillator powers the loop causing a magnetic field to form around the loop, which tunes to a resonant frequency. The detector module monitors this resonant frequency to determine if a vehicle is in the loop area.

With Reno A&E's founding goal of industry leadership, it was decided to develop the next generation of technology for inductive loop detection systems. Using Liquid Crystal Displays (LCDs), micro controllers, and surface mount technology, Reno A&E engineered a new standard of technology and quality for the inductive loop detector market. The loop detection market quickly adopted this new standard.

Reno A&E's commitment to quality is relevant to its organization goal of "industry leadership" and to the expectations and needs of its customers. Reno A&E's commitment is to provide each customer with the best product possible, at the best price, on time. On 26 January 2000, Reno A&E's Quality Management System received ISO 9001 approval and Reno A&E became an ISO 9001 Registered Company.