# About EDI

## CORPORATE OVERVIEW

Eberle Design Inc. has been a manufacturer of traffic control products since 1980, with its 11,500 square foot factory located in Phoenix, Arizona. The company is privately held by its founder, Terrence Eberle, who has been active in the traffic industry since 1972. The company was founded with a commitment to total customer satisfaction and thorough quality control. It is this manner of doing business that has helped make Eberle Design the industry leader in traffic control signal monitors, inductive loop detectors, solid state load switches and flashers.

Eberle Design is committed to a continuous program of research and development to support a complete offering of cabinet auxiliary equipment. It is this program that has led to the development of a complete line of both NEMA and 170 type signal monitors, inductive loop detectors, load switches, and flashers. A full time technical staff works to develop new products and support the existing products. In the past several years, Eberle Design has introduced many new products including the industry's first NEMA TS-2 Malfunction Management Unit and NEMA TS-2 Loop Detector, a 2070 CU compatible signal monitor, LCD loop detectors, and the industry's first ITS Cabinet monitoring system. The newest MMU-16LE SmartMonitor offers unprecedented industry innovations such as built-in setup and diagnostic wizards.

In addition to product development, the Eberle Design technical staff has been a member of the NEMA Transportation Management Systems Section since the company's inception. Active participation in the development of industry standards such as TS-1 and TS-2 has kept the company in the forefront of new technology and industry advancements. Eberle Design is continuing this effort with further extensions of the TS-2 Standard along with the development of the National Transportation Communications for ITS Protocol (NTCIP).

In similar fashion, the company also participates on the ITE/NEMA/AASHTO sponsored ITS Cabinet Working Group. This Working Group is generating a set of requirements and specifications for a new cabinet architecture which supports advanced traffic controllers (ATC) as well as a multitude of ITS applications. Eberle Design has introduced the industry's first Cabinet Monitor Unit (CMU) and Auxiliary Monitor Unit (AMU) supporting the ITS Cabinet architecture.

In 2000, Eberle Design added the LMA Deflectometer series of loop detectors serving the Access Control marketplace.

A key to EDI product reliability is the high level of testing that is applied 100% to each and every unit. The final test procedure consists of a three stage flow. A unit is given a complete bench test for quality check and functionality. The second stage runs the unit through an environmental chamber to provide a high temperature burn-in period and second test at rated temperatures. A final bench test is then run on the unit at nominal temperature to ensure a unit "out of the box" which will exceed the performance level and reliability expected by our customers. It is this Total Quality Assurance (TQA) system that helps provide reliable service in the critical first year of operation.