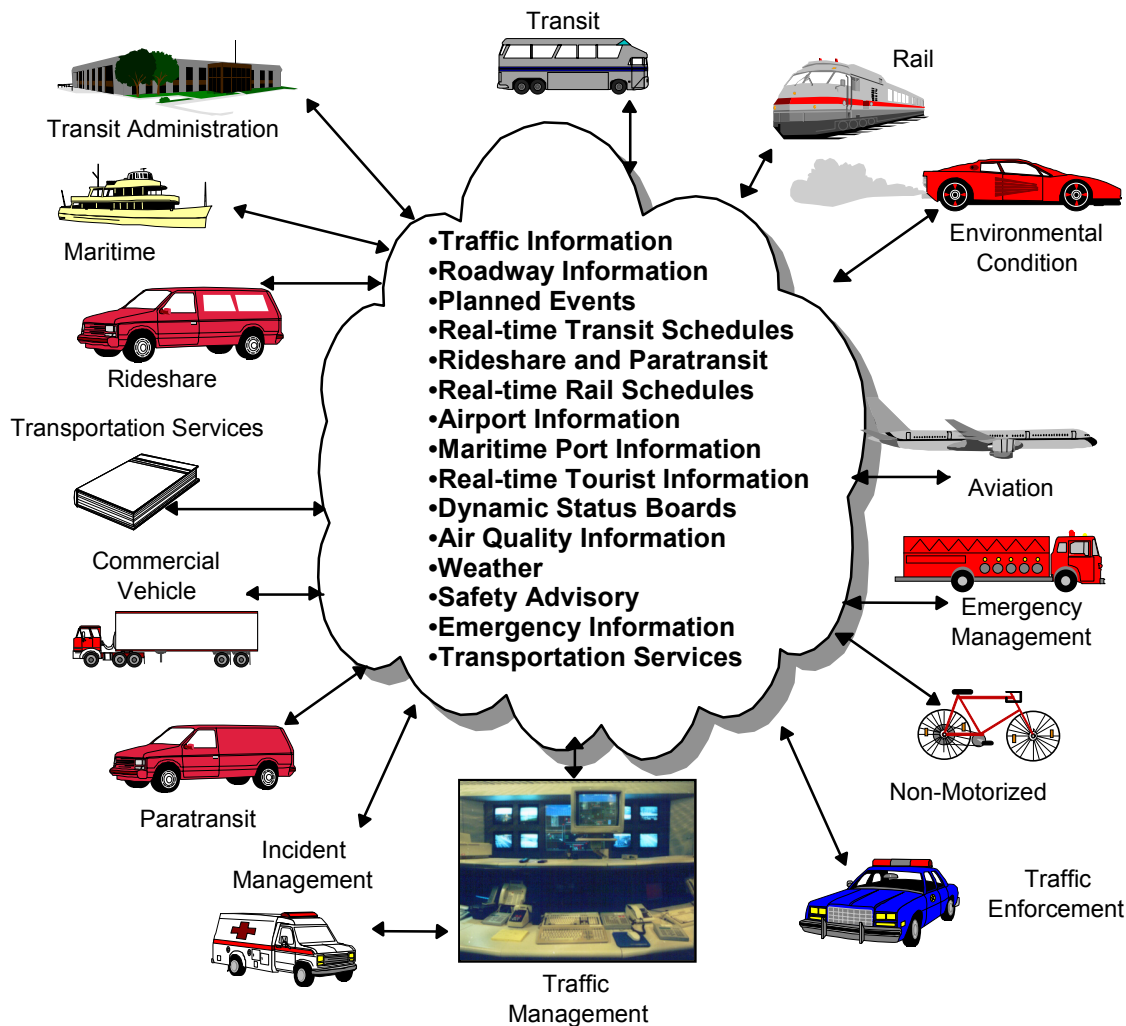


Showcase

Showcase is a CORBA system that links transportation centers together to allow operators in those centers to share information and control. Showcase is part of a nationwide initiative to investigate and implement Intelligent Transportation Systems (ITS). As shown below, the Showcase network provides a common foundation for information sharing and system integration. The architecture is CORBA based and makes extensive use of IDL specifications to ensure that interactions between CORBA objects are compliant with national ITS standards.



Under contract to Iteris Inc., ASEG led the CORBA activities of the project. ASEG led the team that developed and demonstrated the prototype Showcase Kernel implementation for the California Department of Transportation (Caltrans). ASEG was chosen to develop the prototype of this system based on the company's object-oriented experience in general and its CORBA experience in particular. Following the prototyping phase, ASEG continued to define the functional specification and system design, and implemented the key capabilities of the Showcase production system.

On this project, ASEG was responsible for the design, implementation, and testing of the following CORBA system elements:

A **Publish and Subscribe** service based on the OMG's Notification Service specification. This service permits operators at traffic centers to exchange information regarding various kinds of incidents (e.g. accidents, spills, stalls, debris) as the incidents occur and the centers respond to them.

A distributed **Query** service based on the OMG's Query Service specification. This service allows operators at one center to query information about active and archived incidents being managed by other centers.

A **Kernel Management** service that controls startup/shutdown of the system, center join/leave operations, and monitoring in support of connected centers.

For more information, please contact **ASEG Inc.** at (858) 550-0500 or www.aseg.com.