ARIA Transportation Management System Fortran Traffic Systems Limited

Aria is an Advanced Transportation Management System that represents Fortran's next generation of hybrid central systems. The centerpiece component of Aria is a reliable, comprehensive, integrated real-time centralized Traffic Signal Control System. Aria's real-time and centralized architecture provides the flexibility and low latency that is required for implementation of Connected and Automated Vehicle (CAV) applications and will enable road operators and traffic management agencies to harness the multitude of benefits that these emerging technologies can offer.

Moreover, Aria provides an integrated platform for Intelligent Transportation Systems (ITS) initiatives including traffic signal control, information management, and graphical data display and manipulation.

Aria is an open platform system that delivers high availability, scalability, and security along with extensive traffic control capabilities. It encompasses a modular and easy-to-use modern web-based user interface that enables access to system from any platform. Support for standard communication protocols (NTCIP) and design flexibility enable Aria to be hardware-agnostic and can be extended to manage other ITS applications and related data with minimal impact on existing system components.

System Features include: Real-time Intersection Control & Monitoring, Advanced Traffic Responsive Control, Connected Vehicles (I2V), Transit Signal Priority, Real-time Time Space Diagrams, Traffic Data Collection, GIS-Based Map-Driven User Interface, Reports and Real-Time Displays.