

# **Surge Protection for ITS Applications from Atlantic Scientific Corporation**

Atlantic Scientific Corporation (ASC), located in West Melbourne, Florida, has been developing and manufacturing state-of-the-art surge protection devices for critical applications for over 27 years. Today, ASC has a product range of over 2,000 items protecting AC and DC power, communications, antennas, networks, data, telemetry and computer systems.

Atlantic Scientific is the Surge Business Unit of the MTL Group, a British multi-national company headquartered in the UK. ASC engineers are members of and participate in many of the IEC, IEEE and UL committees that determine national specifications and test procedures. ASC products are sold and supported in every region in the world by company offices or qualified representatives.

Addressing many market sectors, ASC has developed leading TVSS products for the wireless communications industry that includes surge protection for cellular, PCS, SMR, public safety, WLL and broadband applications. As a major supplier to this market sector, our list of satisfied carriers, OEM manufacturers, and integrators include AT&T Wireless, Cingular, Verizon, T-Mobile, NexTel, Qwest, Motorola, M/A-Com, and many, many others.

Over the last three years, ASC has developed a complete product protection solution for Intelligent Transportation Systems (ITS) applications. In addition to AC & DC protection for communication sites and operation centers, other products provide protection for the following ITS applications:

- Airborne Traffic Surveillance Systems
- Closed Circuit Television for Surveillance and Detection
- Dynamic Message Signs
- In-Ground Loop Detector Systems
- Weigh Bridges of all types
- TMC's and RMC's
- Microwave Systems
- Roadway Weather Information Systems
- Traffic Monitoring Centers

ASC products are used in Department of Transportation and ITS projects in many states. In addition, ASC is partnering with ITS product vendors to increase the reliability and lower the maintenance cost of their products. ASC is an FDOT APL Qualified Vendor and is an ISO 9001 Certified Company.

## **Florida DOT and ITS Projects**

ASC has supplied TVSS products for FDOT statewide projects for several years and more recently ITS projects throughout the state. A few of these projects include:

FDOT Microwave System Communications Facilities Improvements  
DOT-01/02-9079-RR, Phases I, II, III and IV, I-10, Alligator Alley.

FDOT Microwave System Reconfiguration and Improvements  
DOT-01/02-9106-RR, Statewide.

FDOT Traffic Monitoring System Project,  
Florida Turnpike Enterprise District, ITB-DOT-02/03-8019

FDOT Lightning Protection Upgrade of Communications Facilities  
Florida Turnpike Enterprise District, Financial Project 190735-I-52-01

Orlando Orange County Expressway Authority, (OOCEA)  
Dynamic Message Sign Protection for Toll Plazas on SR417 and SR429.

FDOT SunPass Challenge Northern Systems, Orlando South Ramp Toll Facility,  
Financial Project 412279-1-52-02. Complete site protection.

FDOT Emergency Generator Power Systems Installation  
RFP-DOT-03/04-9023-RR, Statewide.

In addition to these FDOT projects ASC has been supplying surge protection devices to several Florida state agencies including, FDMS (Joint Task Force), FDOC, FDEP and the Florida Division of Forestry. ASC has also supplied products to several state universities who are involved in transportation projects.

## **Working Relationships**

Much of the success that ASC has had in supplying surge protection products to DOT and ITS projects nationwide has stemmed from our working relationships with engineers, integrators, and contractors. In Florida, our relationship with the following entities has been substantial and is currently ongoing.

Atlantic Development Corp., Goff Communications, Metric Engineering, PB Farradyne  
PBS&J, Radian Corp., RCC Consultants, Southeastern Communication Services, Inc.  
Traffic Control Devices, TransCore, Edwards & Kelcey, and ViaSys.

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