ATI PAST PERFORMANCE and SAFETY CRITICAL BACKGROUND

ATI team members have developed safety critical software since 1981. These programs and projects include:

- The German and Dutch Tri-Lateral Frigate (TFC) Shipboard Defense Missile System
- The Joint Military JMINI UHF Satellite
- The British Ministry Of Defense Multiple Hypothesis Submarine Tracking System
- The U.S. Navy Shipboard and Airborne Cooperative Engagement Capability (CEC)
- The Dual Redundant BAE-146 Airplane Autopilot
- The U.S. Army Single Subscriber Terminal
- The 7J7 Triple Redundant Prototype Flight Control System
- The Communication System for the F-22 Raptor Advanced Tactical Fighter
- The Global Hawk Unmanned Air Vehicle Dual Redundant Navigation Validation and Voting System
- The Global Positioning System (GPS) Acquisition and Display for Army Satellite and Radio Communication
- Multiple Training and Simulation Software Systems for the Military

ADVANCED TECHNOLOGIES
INCORPORATED
"Developing Real-Time Safety Critical Systems"

Let ATI Become Your Solution Provider

We Take Pride in the Following:

- Complete Satisfaction Guaranteed
- Featuring Over 20 Years of Consulting Experience
- Programs Built Upon Strong Aerospace/Military Expertise
- Company Fully Owned by Employees
- Satisfy Small Women-Owned Business Requirements

www.advancedtechcorp.com

Follow us on

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858-401-3535 or 407-588-7199

SCOPE

Signal COntrol Programming Environment

Open Source Traffic Signal Control Program

A System of

ADVANCED TECHNOLOGIES
INCORPORATED
"Developing Real-Time Safety Critical Systems"

FEATURING:

- Newly Developed Signal Transition Logic Innovative Real-Time Traffic Signal Control Program
- Free Open-Source Software
- Optional Tech Support/Customization Available
- Wireless Droid Application Which Allows Portable Access to Intersection Controllers
- Safe Program Built Upon a Strong Military Expertise

ADVANCED TECHNOLOGIES
INCORPORATED
"Developing Real-Time Safety Critical Systems"

OUR MISSION:

Since 1986, Advanced Technologies, Incorporated (ATI) has been developing safety critical real-time embedded software for commercial and military industries. ATI engineers have been responsible for the design and implementation of international missile guidance systems, flight control systems, satellite communications systems, weapon tracking systems and unmanned air vehicles (UAVs).

OUR CAPABILITIES:

- Software Development of Real-Time Embedded Safety Critical Systems
- Android, Linux & PC Based Applications
- Software and Safety Critical Systems Consulting

OUR CO-FOUNDER, PRESIDENT, AND CHIEF TECHNICAL OFFICER

Mark Gardinier has over 30 years of experience in areas including safety critical systems, UML, distributed systems, multi-processor real time software, control systems, and CORBA networks. He was the lead software engineer and the principle investigator on ATI's SBIR Phase I Signal State Transition Software effort and Phase II SCOPE intersection traffic control system. He serves as co-owner in Advanced Technologies Incorporated, where he has worked since 1986.

OUR MAJORITY OWNER, CEO, AND LEAD SYSTEMS ENGINEER

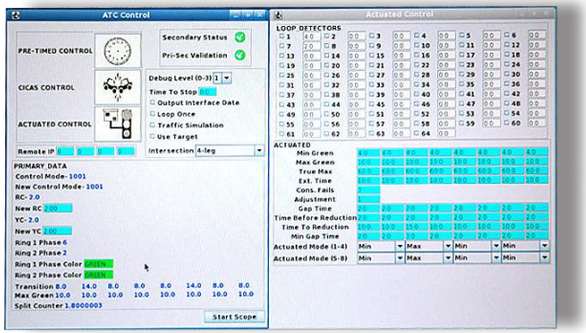
Donna Romanowich has been developing complex control systems and tools for over 25 years. She has focused on the business development efforts of Advanced Technologies Incorporated, in addition to managing proposal capture, billing procedures, government regulations (business and tax), C++/C# software development and Android Applications.

INTRODUCING "SCOPE"

SCOPE
Signal
COntrol
Programming
Environment

WHY SCOPE?

- Safe Program Built Upon Strong Military Expertise
- Runs on any Linux Based Traffic Controller that meets Advanced Traffic Controlled (ATC) Specifications
- Runs On Bare Linux Board with SYSTEXCOMM SDLC/HDLC Interface
- Runs on any Linux Based PC
- NTCIP Signal Control Compliant Software
- User Modifiable to Easily Add Control Modes and Interfaces
- Features Free Open-Source Software
- Optional Technical Support Available
- Optional Interface to our Wireless Tablet Android Application
- Full Service Customization Available



SCOPE PRODUCT DETAILS:

- Implements Actuated Signal Control with Phases Independently Programmable to the Following Modes: Presence, Minimum Recall, Maximum Recall, Gap Out and Gap Reduction
- Implements Pre-timed Signal Control Mode for 3-leg, 4-leg, and Texas Diamond Intersections
- Executes under Linux but can be Easily Ported to any Operating System
- Contains a CID Software Interface
- Is Dual Redundant, Containing Two Unique Implementations of the NTCIP Signal Control Logic:
  - *The Primary Control Software is Implemented in Ada 2005*
  - *The Secondary Control Software is Implemented in C++*

WIRELESS TABLET DROID APPLICATION OPTION:

- Allows Portable Access to Intersection Controllers
- Ideal for Harsh Weather Conditions and Unsafe Roads
- Significantly Reduces External Dangers to Traffic Engineers