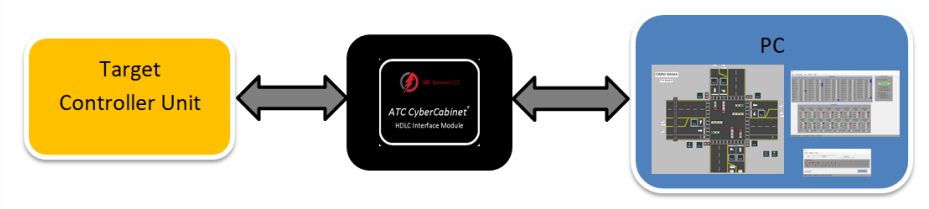
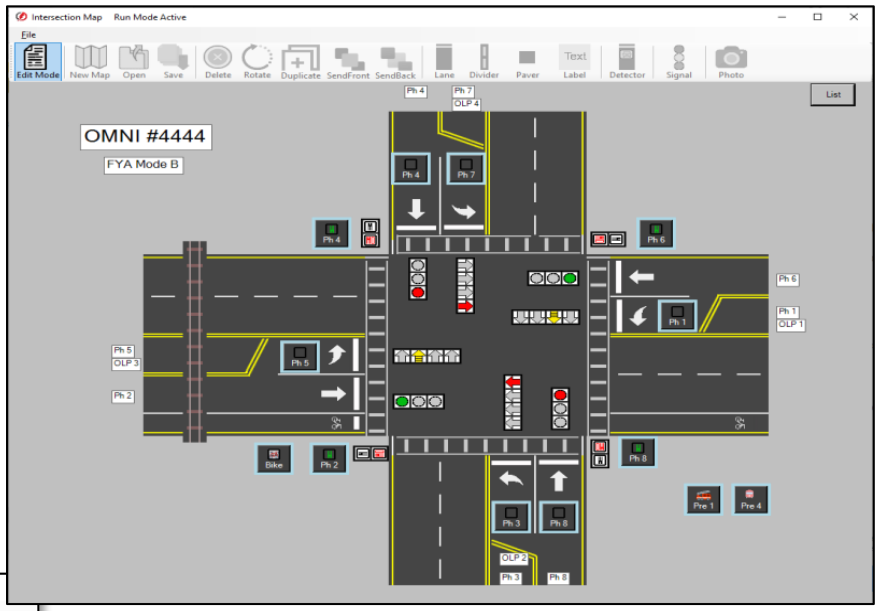
ATC CyberCabinet

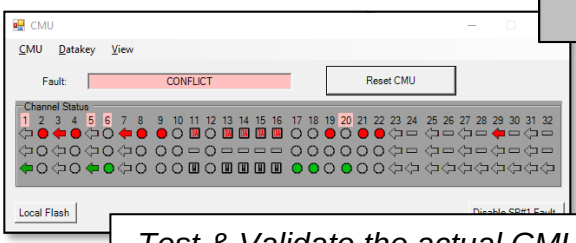
The *ATC CyberCabinet*® software provides a Traffic Engineer with a software based solution to test and validate the functionality of an ATC Controller database and CMU/MMU2 compatibility, without needing a full ATC5301, NEMA TS2, ITS Cabinet, or TEES 332 cabinet assembly in hardware.



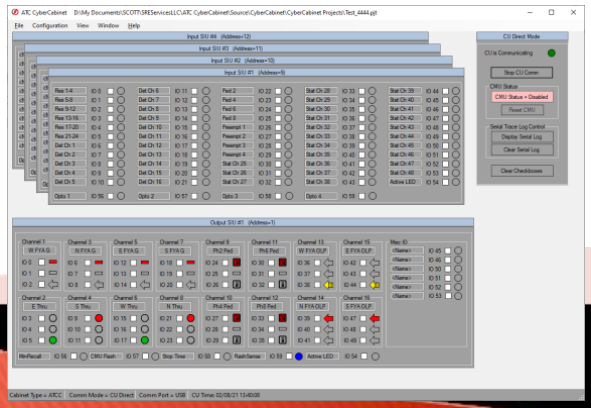
This will produce higher quality results in less time, while reducing or eliminating the need for call-backs once the intersection is operating.

- A built-in Editor is used to develop an icon based overhead view of the target intersection.
- Control icons provide clickable actions for Detector inputs, Ped buttons, and Preemption.
- Traffic signal icons reflect the Controller signal outputs.





Test & Validate the actual CMU / MMU2 Configuration programmed into the cabinet Signal Monitor



www.SreServicesLLC.com
SreServices73@gmail.com
060623

ATC CyberCabinet

Future-Proof your ATC Controller Development and Test Program

Virtual Cabinet Configuration	**ATC5301 Standard Cabinet** • 5 Input SIUs, 2 Output SIUs, and a 32 channel CMU. **NEMA TS-2 Standard Cabinet** • 4 Detector BIUs, 4 T&F BIUs, and a 16 channel MMU2. **TEES 332 Cabinet** • 1 Input FIO, 1 Output FIO, and an 18 channel CMU. **ITS Cabinet** • 5 Input SIUs, 2 Output SIUs, and a 32 channel CMU.
Main View Modes	Controller operation can be viewed and exercised at the SIU/BIU device level (Device View), or with a higher level overhead view of the intersection (Map View).
Device View	The Device View presents SIU/BIU inputs and outputs as separate forms (devices) with a control for each IO pin; name field, status icon, and checkbox.
Map View	The Map View elevates the display to a bird's eye view of the intersection geometry. Active icons are used to drive Detector, Ped, and Preempt inputs. Programmable signal face icons display RYG controller outputs.
Map Editor	A built-in Map editor is used to construct the Map view for a target intersection using active Detector & Signal icons and road furniture.
CMU Functionality	A 32-channel CMU function is configured from the actual intersection Datakey parameters to validate compatibility with the Controller database.
Fault Detection	Conflict, Lack of Signal, Multiple, Y Clearance, Y+R Clearance, SB#1 Timeout, Local Flash, and Type 62.
FYA	Full support of Flashing Yellow Arrow including Virtual Channels.
Fault Log	A Previous Fault log is maintained to review any fault events captured by the CMU.
Datakey Load & Read	The CMU Datakey parameters can be read from a file or directly from the Datakey. MMU2 parameters can be read from a CFG file.
Replay Mode	Controller sequences can be Replayed and Saved to repeat and analyze a signal sequence in detail.
Serial Comm Trace Log	A Serial Bus #1 'sniffer' captures the HDLC frames and displays the frame data and timestamp for detailed real-time analysis.
SIU Direct Mode	Used to monitor/control a physical SIU-2218 device in a test cabinet.

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