

# Transportation Management Systems

## Centracs Local Edition (LE)

### What, exactly, is the Centracs Local Edition?

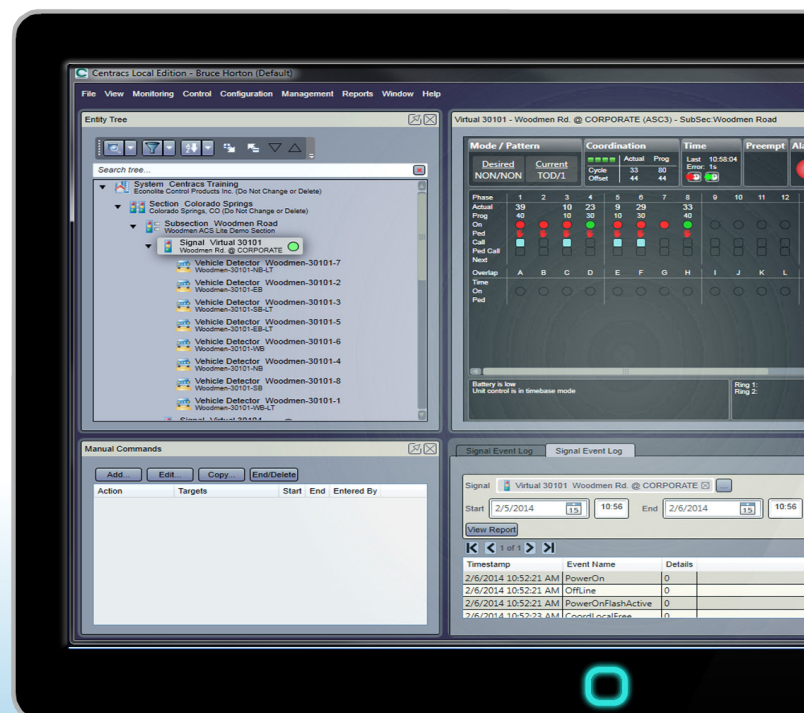
Centracs Local Edition (LE) addresses the need for a stand-alone software solution that enables signal shops, field technicians, and others to manage intersections locally at the cabinet. Centracs LE allows uploads and downloads of signal programming from a laptop to locally-connected traffic controllers.

### Why do agencies use Centracs Local Edition?

Centracs LE features an easy-to-use Graphical User Interface (GUI), helping users to immediately become productive. Centracs LE allows users to synchronize data between laptops or, as well as download various logs from the controller, which can be viewed as signal and system, raw detector data, and detector events reports.

### How does Local Edition benefit the driving public?

Centracs LE enables strategic capabilities of a centralized traffic management software system to be managed locally at the traffic control cabinet. By helping agencies and DOTs to enhance traffic signal operations across all levels of actuated intersections, Centracs LE is designed to increase intersection efficiencies and reduce commute times.





## Graphical User Interface and "Containers"

Centracs Local Edition features the same easy-to-use Graphical User Interface (GUI) that has helped make Centracs the leader in ATMS systems. The intuitive GUI provides a short system learning curve, helping experienced Centracs users as well as new users to immediately become productive. Centracs Local Edition offers a subset of the tools available in the standard Centracs client software, including the entity tree view of the system, Detector Fault Status monitoring, manual commands, controller database editors, and intersection status display. Centracs Local Edition takes care of the positioning and sizing of contained windows, leaving the user free to focus on more important tasks. When a user exits Centracs Local Edition, the entire layout is remembered and then restored on the next login. Local Edition also allows users to download various logs from the controller which can then be viewed using reports provided including signal and system events, raw detector data, and detector events.

## Database Synchronization

Centracs Local Edition provides a convenient tool for synchronizing data between the laptop running the Local Edition and the Centracs central database or between copies of Centracs Local Edition running on separate laptops or workstations. The synchronization tool inspects the data on both systems and provides an indication of which system has the newer data for each object.

From a Centracs Local Edition, a user can copy all or part of the data from the Centracs database for use on the laptop. A Centracs user can also selectively copy data from a Centracs Local Edition to the Centracs database allowing Centracs to act as the master copy of all controller configuration data regardless of a controller's

connectivity to the system. Synchronization also allows Centracs Local Edition users to manage field assets using the same structures, permissions, and jurisdictions defined in the Centracs database.

## Communications and Device Support

Centracs Local Edition supports either Ethernet or Serial Communication Connections between the laptop and a controller, supporting TCP/IP, UDP/IP, RS232 serial, ACT, and PMPP protocols. Traffic signal device support includes: Econolite's NTCIP-based ASC/2, ASC/2S, and ASC/3 (1000, 2100, or Rack Mount), NEMA TS1/TS2 controllers, 2070 (L or LN) controllers running ASC/2070, ASC/3 2070 or Oasis firmware, 170-type controllers running certain versions of Wapiti W4IKS firmware, and NTCIP 1202 compliant controllers.

Centracs Local Edition is just one member of the Centracs family of products providing a broad range of ITS functionality to the ITS industry. Econolite prides itself on its ability to provide an ever increasing suite of products for ITS applications. Among these products, Centracs has set the standard for transportation management systems. Its modular architecture is designed to easily configure, monitor and control field assets, perform data collection and provide integrated asset and maintenance management capabilities unique in the ITS industry. The Econolite Group companies, including Econolite Control Products, Aegis ITS, Safetran and Econolite Canada offers a variety systems products along with equipment and engineering support services to transportation agencies. Talk to your Econolite representative to learn more about Econolite products and services.

