

The next-generation, intuitive controller software prepares agencies for Connected Vehicle and Smart City traffic control systems

Anaheim, Calif., May 31, 2017 – Econolite today introduced EOS™ traffic controller software. EOS is a next-generation, easy-to-use, web-based user interface traffic control software that is built on a completely new and more robust dynamic core framework. EOS is designed to expand traffic control capabilities, preparing agencies for the upcoming demands of Connected and Autonomous Vehicle (CAV) and Smart City traffic control systems. EOS is developed for Econolite Cobalt® ATC, Safetran 2070C, and other properly configured ATC controllers.

“EOS represents new levels of operational efficiency and capability for traffic controller software,” said Econolite Vice President of Engineering, Eric Raamot. “EOS provides improved real-time decision-making by enabling dynamic ‘on-the-fly’ changes to phase timing, sequencing, and coordinated split control, serving the immediate needs of connected and autonomous vehicle applications.”

EOS features a brand-new coordinator design, enabling immediate coordination decisions rather than awaiting a cycle endpoint. This coordinator includes adaptive split balancing using the Purdue GOR/ROR5 metric for phase failure. EOS’ dynamic Core and Coordinator enable a new Signal Control and Prioritization capability. EOS supports an internal priority request server (PRS), allowing receipt and prioritization of multiple concurrent and even contradictory priority requests while mitigating the impact on traffic.

EOS is designed with traffic control phase timing and sequencing modules that support real-time changes to signal phase sequencing and timing, as well as the latest J2735 dedicated short range communications (DSRC) messages like SPaT/MAP, supporting CAV applications. EOS helps provide the necessary software bridge that enables vehicle-to-infrastructure (V2I) communications – a critical component of the CAV equation.

<https://www.econolite.com/products/controllers/eos/>

Econolite is presently involved in the industry's most prominent CAV initiatives, including: University of Michigan – UMTRI, MTC Leadership Circle, and Mcity CAV test facility; MMITSS with the University of Arizona and PATH; V2I Reference Implementation project; and numerous CV projects. In addition to its strategic partnership with Savari, Econolite is also involved in cooperative efforts with leading CV technology providers such as Battelle, Texas A&M Transportation Institute (TTI), and others.

About Econolite

Established in 1933, Econolite is a leading provider of comprehensive traffic management solutions, Intelligent Transportation Systems (ITS), and engineering services. Committed to the advancement of connected vehicle and other leading-edge technologies, Econolite's solutions ease traffic congestion, enhance transit operations, provide safer mobility, and improve quality of life. For more information: www.econolitegroup.com.