

A merge between the LA Auto Show Press & Trade Days and the Connected Car Expo, AutoMobility LA features an all-new Technology Pavilion with more than 50 automotive technology exhibits, including a virtual demonstration of Continental's Traffic Light Assist system.



The Traffic Light Assist function knows when the next traffic light will turn red by making use of eHorizon's ability to receive and process real-time updates based on data from other vehicles' sensors and traffic information sources. This enables eHorizon to factor in dynamic changes to the route, such as traffic lights, congestion, accidents and weather conditions, resulting in considerable fuel savings.

By using the cloud and swarm-intelligence for real-time data, eHorizon and its Traffic Light Assist function increases comfort and safety with early notification and a better understanding of the road ahead.

If a vehicle or obstacle is a potential hazard to the driver, a visible warning will appear long before the driver or vehicle sensors recognize the issue. This gives the driver time to maintain an informed and smooth driving experience, even through curves and hills. In addition, driver assistance systems, such as braking and steering, can be ready for traffic situations long before the vehicle sensors detect them.

Another essential function of the dynamic eHorizon system is its ability to be integrated with Continental's latest audio management system, Functional Audio, to create or modify sounds based on the data received. Functional Audio combines all audio sources of a vehicle and can directly transform eHorizon data into audio signals. This is known as 'sonification' or auditory display. Converting data into sound can, for example, help guide a driver's attention. The integrated system guides the driver's attention to what is most important. For example, the information from the eHorizon can be converted to a sound played from the right side only if the driver needs to be focused on that side of the road. With the combination of dynamic eHorizon and a smart human machine interface (HMI), Continental aims to create a digital co-pilot by enhancing the driver's natural senses.