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Siemens to showcase the latest generation of controllers: Sitraffic sX

The more complex the traffic situation at urban intersections, the greater the need for more intelligent control solutions. Sitraffic sX is an innovative controller generation for traffic signal systems and detectors. With their completely redesigned hardware and advanced software, the controllers help minimize equipment downtime and make intersections safer. The new Siemens technology is the first to allow remote updates for expanding the functionality of controllers that are already operating in the field. There is no need anymore to interrupt signal operation. This is made possible by an added real-time processor that will take over traffic light control when required. With this solution, dangerous 'light-out situations' become a thing of the past, reducing potential hazards at the intersection. Remote updates are carried out during ongoing operation and eliminate the need for time-consuming on-site interventions.

Small and smart or complex and sophisticated, Sitraffic sX can be both

Setting parameters for traffic signal systems using a smartphone, tablet or computer? With Sitraffic sX, this is no longer a futuristic scenario: The new traffic controller is easy to operate via the Internet while meeting the highest security standards and availability requirements. With all its simplicity, Sitraffic sX covers a wide range of applications: It can be used as a stand-alone solution without connection to sensors and a higher-level traffic control system, or work smoothly as an integral part of the extensive traffic management system of a large city.

The controller that started out as a smart basic solution can do even more: In its advanced version, it offers an extended range of features and functions that allow the implementation of solutions for challenging traffic control applications as well as the integration of different standards.

Accessibility – secure communication between control center and Web interface

For both the smart and the advanced versions, a secure connection can be established from the control centers Sitraffic Scala or Sitraffic smartGuard right through to the Web interface of the controller's processor. Hence, in terms of secure access, it does not matter anymore if the user chooses to check the operating details of the controller right on site or from the convenience of the office desk.

The advanced version of Sitraffic sX offers a broader range of features

The new functions for “Advanced Traffic Engineering (ATE)” and “Advanced Traffic Management (ATM)” make it possible to use Sitraffic sX for sophisticated advanced control, with numerous highlight functions such as the connection of up to four-streams , the PDMx control method, integrated planning and data supply via Sitraffic Office as well as parameterizable signal monitoring functions. What is more, Sitraffic sX is now also equipped for advanced traffic management: The open system architecture enables seamless connection to third-party control centers, using either Sitraffic Canto or OCIT as protocol, as well as the project-specific implementation of additional protocols developed by local development partners.

An innovative solution that grows along with the cities requirements

Growing traffic volumes, increasing air pollution, rising costs: A mobility solution cannot solve all infrastructure challenges that cities are facing, but it contributes to making a city more modern, more attractive and more environmentally friendly.

SiTraffic sX offers lean structure, easy configuration and user-friendliness, whilst meeting the highest IT security standards. Moreover, the combination of modern hardware and innovative software equals future-proof solutions for traffic planning.

The controller Sitraffic sX can adapt optimally to the city’s size, from small and smart, to complex and challenging, making it easier for municipal authorities to plan traffic, having the latest technology at their fingertips.

To learn more, stop by the Siemens booth 308, Hall 12, at Intertraffic 2018, Amsterdam, on March 20-23!