

Press Release



CONTACT:

Jan Arpi, Sales & Marketing Director

ja@trafsys.se

+46 (0)70 668 91 84, +46 (0)8 558 033 20

FOR RELEASE

14 September 2018

Trafsys will be an exhibitor at ITS World Congress 2018 in Copenhagen: The world's biggest event entirely focussed on the digitalisation of transport and smart mobility!

Trafsys, a leading Nordic Intelligent Transportation Systems (ITS) developer and integrator established in 1988, will highlight its newly developed long-range road monitoring system, Trafsense, based on advanced distributed fiber optic sensing technology and signal analysis, at ITS World Congress 2018, held 17-21 September at the Bella Center in Copenhagen.

The ITS World Congress 2018 exhibit hall will showcase the latest advances and solutions in the Intelligent Transport field on over 25 000 sqm of space and will bring together industry leaders from all over the world.

By capturing the vibrations triggered by the rumble of wheels, Trafsense automatically tracks the speed and position of vehicles at any point along the road and sets off alarms when incidents occur. The sensor element is nothing but a standard single mode telecom fiber cable, into which laser pulses are fired at an extremely high repetition rate. Hence, several kilometers of roadway can be covered by a single sensor.

Backscattered signals from the fiber is detected and analyzed by the Trafsense Interrogator Unit located in a technical building next to the road.

Trafsense can easily be integrated with industrial SCADA systems, including Trafvision, the Traffic Management system developed by Trafsys and used by the Norwegian Public Roads Administration to control and monitor more than 500 road tunnels and bridges.

The high sensitivity and accuracy of the system means a wealth of future possibilities. Initially, Trafsense will be capable of detecting stopped vehicles, queue formation and vehicles driving in the wrong direction.

"It's our intention to further develop Trafsense and add more applications in the future in line with customers' requirements while further exploiting the extensive capabilities of the vast amount of generated real-time data. ITS World Congress 2018 seems to be the perfect place to start a dialogue with potential pilot customers who want to test Trafsense in the field", said Terje Floor Heggeland, CEO of Trafsys.

Trafsense offers several distinct advantages compared with other technologies commonly used for road monitoring purposes, including its long-distance coverage, low sensitivity to external interference, eliminated need for roadwork as well as unmatched Economy of Scale and low Total Cost of Ownership. It is also the environmentally friendly alternative.

Trafsense is the result of an R&D partnership between Trafsys AS and Christian Michelsen Research AS (CMR).

Trafsys will showcase Trafsense along with its range of industry leading solutions in Traffic Management, Surveillance & Detection and Communications at stand C1-110.

About Trafsys

Trafsys is a Nordic knowledge company that develops, supplies and integrates Intelligent Transportation Systems based on advanced information and communications technologies. We offer a broad spectrum of systems for effective control and monitoring of traffic, including Traffic Management, surveillance, automatic incident detection, emergency telephone and radio systems as well as the critical communications infrastructure that ties everything together.

The company has been active in the industry for more than 30 years and has delivered automation solutions for hundreds of complex system installations in tunnels and on roads in Norway and Sweden. In the process, we have developed the unique competence and skills required to design extra-safety-critical solutions for tunnels. Thanks to our highly trained and committed workforce, we can offer specialist competence in automation, software development, system integration and ICT.

Trafsys is headquartered in Bergen, Norway. This is also the location of its sister company Norphonic AS, which specializes in the development of telephony systems for heavy duty environments. Besides Bergen, Trafsys has offices in Oslo, Stockholm and Örebro.

Attendees can register for ITS World Congress 2018 [here](#).

About ITS World Congress

From 17-21 September 2018 the City of Copenhagen will host the 25th ITS World Congress. The European Commission, ITS America and ITS Asia-Pacific are the strong partners of ERTICO – ITS Europe in organising world's largest event focusing on the digitaliation of transport and smart mobility.

With the theme "ITS - Quality of Life", the 25th ITS World Congress will look at how the industry can contribute to a higher quality of life by improving liveability, making the surrounding environment greener and lowering congestion. Discussions will take place over five days, while exhibitors and demonstrators will showcase ground-breaking results on how their solutions have a positive impact on all people.

The Congress' three pillars - the Programme, the Exhibition and the Demonstrations - will all have a common thread looking at new mobility services, connected and automated transport, smart freight and delivery of goods, green solutions, satellite technologies and next generation of transport networks.

The 2018 ITS World Congress will attract more than 10,000 participants from over 100 countries, and will feature more than 150 sessions, 400 exhibitors, various demonstrations and technical tours, as well as a series of associated events, social occasions and networking opportunities.

Registrations are open, so visit www.itsworldcongress.com and make sure you are part of the action.

Join the conversation on Twitter with #ITSWC18 / @ITS_Congresses and visit the ITS Congresses Facebook page @ITSCongresses. We look forward to seeing you in Copenhagen this September!