26/01| March 2026

ISWIM
International Society for Weigh in Motion

ISWIM NEWSLETTER

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Message from the ISWIM president

Welcome to the March edition of the ISWIM Newsletter for 2026. After a very cold and snowy winter here in the United States, everyone is excited for the return of warmer weather and longer days that spring brings. Spring also brings new growth, and I am excited to highlight some of the new items that you will learn more about in the following pages.

ISWIM published a new practitioners' guide, "Implementation of WIM Systems for Direct Weight Enforcement," which is available on the website. Also, the ISWIM Vendors and Consultants College welcomed its 32nd member, Applied Traffic. ISWIM's resources and membership are growing, in addition to the number of registered members. I am excited about this growth and anticipate that the growth will continue with the upcoming seminars, workshops, webinars, and conferences that we have on the schedule to host or participate in. Such as the Southern African workshop where the status of the WIMe project will be presented; the 4th regional seminar in Brazil; and of course, ICWIM10. Plans are underway for ICWIM10 which will be in Ljubljana, Slovenia, in May 2027. Continue reading the newsletter to get details for these and information for other ISWIM events this coming year.

I was pleased to meet with some of the ISWIM members at the 26th ISWIM Board Meeting this past January during the Transportation Research Board Meeting in Washington, DC. This annual meeting allows us to highlight the previous year's activities and accomplishments, and plan for the upcoming year's events. I enjoyed reading and learning about how WIM technology is being implemented around the world and I invite you to take a few minutes to see what you, too might learn. Remember, the ISWIM Newsletter is your newsletter. Keep up the great work and keep the articles coming about your research initiatives, programs, and ideas for advancing WIM technology.

Deborah Walker, President of ISWIM ■ Deborah Walker | deborah.walker@dot.gov

10th International Conference on Weigh-In-Motion

The International Society for Weigh-In-Motion (ISWIM) and the International Forum for Heavy Vehicle Transport & Technology (HVTT Forum) have come together again to host a joint international conference. Ljubljana, the capital of Slovenia, will host the venue at the Art Nouveau Grand Hotel Union, located in the heart of the city. The conference dates are from **Sunday, May 9, to Thursday, May 13, 2027**.

The conference duration is 3 full days, each with 3 to 5 parallel sessions depending on the number of accepted papers. The fourth day will be reserved for technical tours and site visits. As part of the conference, there will also be an exhibition where companies and organisations can present their products, solutions and activities, for exhibition and sponsoring opportunities please contact: matija.mavric@cestel.si

City centre of Ljubljana by night

The slogan for the conference is: **Moving Forward Together – Connecting Heavy Vehicles and Weigh-In-Motion**.

The conference will present new concepts and innovative solutions in different areas from both fields. Among others, the ISWIM part will focus on infrastructure preservation and the development and implementation of Weigh-In-Motion technologies, while the HVTT part will address developments in heavy vehicle operation, vehicle access and safety, and logistics. The conferences will attract a diverse international audience, including researchers, engineers, consultants, equipment vendors and representatives from government agencies and international organisations.

ICWIM10 HVTT19
Moving Forward Together
Connecting Heavy Vehicles and Weigh-In-Motion

Disclaimer

The projects described, ideas shared, and claims made in this Newsletter do not necessary represent the official view or position of ISWIM.

While care has been taken in the preparation of the content of this Newsletter, ISWIM accepts no responsibility in its use, for any omission, or damage that may be caused and does not endorse any specific product or result presented in the Newsletter.

ISWIM Website

Please visit the official ISWIM website: www.is-wim.net. Here you will find information on our society, all Newsletters, past ISWIM Events, the Guide for Users of WIM and links to our all Vendors & Consultants.

New is our online, searchable library with over 450 articles, papers and reports related to Weigh-In-Motion.

ISWIM LinkedIn Group

The ISWIM LinkedIn Group is another way of staying connected with the latest developments in WIM.

In this group, researchers, end-users and vendors can find and post short articles on initiatives, new projects, test results, or other developments related to WIM-technology, applications and data.

The ISWIM LinkedIn Group has currently more than **665** members. If you want to join, please visit: linkedin.com/groups/13400438

Authors are invited to submit abstracts in English (300 to 500 words) covering one or more of the conference topics. Abstracts can be either end-user or academically oriented, but, noting that it is a scientific conference, they should be free of commercial content. The abstract should provide enough detail to allow for a clear understanding of the objectives, methods, novelties and findings to be presented. Abstracts are to be submitted at: https://login.easychair.org/my2/conference?conf=icwim10hvtt19.

Key dates for abstract and paper submission are:

- 30 April 2026 Submission of abstracts
- 30 June 2026 Authors notified of abstract acceptance decision
- 30 September 2026 Submission of full papers
- 30 November 2026 Authors notified of full paper review decision
- 31 January 2027 Submission of final full paper
- 9 May 2027 Start of conference

Church on island in Lake Bled Ljubljana, Slovenia

Accepted papers will be scheduled for presentation in one of the sessions of the joint conference, or as a poster presentation. Accepted papers may be published on the ISWIM and HVTT Forum websites after the conference. Abstracts and papers submitted for consideration to present at the conference will be reviewed by a scientific committee involving both academic and industry professionals from ISWIM and HVTT. The organisers are engaging with an academic publisher to explore the possibility of publishing official conference proceedings, in addition to the standard hosting of papers on the ISWIM and HVTT Forum websites.

More information will be made available via the HVTT and ISWIM websites and shared through regulare emails to all ISWIM-members and posts at our LinkedIn group.

■ Aleš Žnidarič | ales.znidaric@zag.si
■ Matija Mavrič | matija.mavric@cestel.si

ISWIM Board (elected Nov. 2023)

Executive Board:

- Deborah WALKER, United States **President ISWIM**
- Gustavo OTTO, Brazil **Vice-President Science**
- Matija MAVRIČ, Slovenia **Vice-President Vendors**
- Aleš ZNIDARIČ, Slovenia **Treasurer**
- Chris KONIDITSIOTIS, Australia **General Secretary**
- Andrew LEES, Great Britain **Information Officer**

Board Members:

- Gerhard DE WET, South Africa
- Vittorio DOLCEMASCOLO, France
- Bernard JACOB, France
- Steven JESSBERGER, United States
- Rish MALHOTRA, Canada
- Sylwia STAWSKA, United States
- Eugene O'BRIEN, Ireland
- Jonathan REGEHR, Canada
- Victor Joaquin VARGAS ARCE, Bolivia

Vendors & Consultants College:

- Matija MAVRIČ, Slovenia
- Christoph KLAUSER, Switzerland
- Rish MALHOTRA, Canada

Promotion Officer:

- Hans VAN LOO, Switzerland

SANRAL-ISWIM WORKSHOP
8–10 JULY 2026,
PRETORIA, SOUTH AFRICA

ISWIM Workshop at SATC '26

In cooperation with SANRAL (South African National Road Agency SOC Ltd.) ISWIM is organizing another WIM workshop during this year's SATC (Southern African Transport Conference). The workshop will be held at the **CSIR Conference Centre in Pretoria, South Africa from July 8 to 10.**

The focus of the workshop will be on the first results of of SANRAL's WIMe project. The WIMe technology trials are a preparation of the future use of WIM systems for direct, automatic weight enforcement. A number of (ISWIM) vendors have installed their WIM systems at the SANRAL test site used to test the systems' performance under real traffic conditions. In addition the workshop will provide an update on the international progress in the development, implementation and standardization of WIM for direct weight enforcement around the world.

CSIR International Convention Centre in Pretoria

The workshop will start on Wednesday evening with the traditional welcoming Braai (BBQ South African style). The next day will continue with presentations from national and international key note speakers including: Michelle van der Walt, Gerhard de Wet, Chris Konidistiotis, Andy Lees, Gustavo Otto and Hans van Loo. The day will conclude with End-User sessions where several ISWIM Vendors will present their showcase implementation projects. The Friday will consist of a technical visit to the WIMe test site near the Mantsole weigh station on the N1 highway. The visit and the workshop will end with an informal, networking lunch at the Kwalata game reserve.

For more information on the exhibition and sponsoring opportunities of SATC in general and the WIM Workshop in particular please contact Mrs. Jacqui Oosthuyzen.

- Jacqui Oosthuyzen | info@satc.org.za
- Hans van Loo | hans.vanloo.int@gmail.com

ISWIM Vendors

APM	www.apm.pl
Applied Traffic	www.at.co.uk
Axtec	www.axtec.co.uk
Betamont	www.betamont.sk
CAMEA	www.cameatechnology.com
Captels	www.pesage-captels.com
Cestel	www.cestel.eu
Ciemsa	www.ciemsa.com.uy
Cross	www.cross.cz
Dynaweigh	www.dynaweigh.com
Excel Technology	www.exceltech.com.au
FardEU	www.fardeu.com
GEC Scales	www.gecscales.com
Girwim	www.girwim.com
Intercomp	www.intercompcompany.com
iWIM	www.iwim.it
Kistler	www.kistler.com
Mikros	www.mikros.co.za
Mettler Toledo	www.mt.com/wim
Neurosoft	www.neurosoft.pl
Osmos	www.osmos-group.com
Q-free	www.q-free.com/products
Quarterhill	www. quarterhill.com
Rekor	www.rekor.ai
Sterela	www.sterela.fr
TDS	www.traffic-data-systems.net
Traffic Lines	www.traffic-lines.de
Tramanco	www.tramanco.com.au
VanJee Technology	www.wanji.net.cn

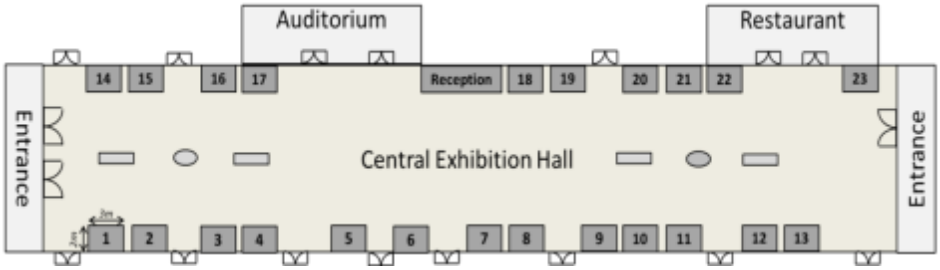
Interested to join the ISWIM Vendors, just contact:

- **Matija Mavrič** | matija.mavric@cestel.si
- **Hans van Loo** | hans.vanloo.int@gmail.com

4th Regional Seminar on WIM

The Brazilian National Land Transport Agency (ANTT), the Transport and Logistics Laboratory (LabTrans) of the Federal University of Santa Catarina and ISWIM have come together to organize the 4th Regional Seminar on Weigh-In-Motion (RSWIM4). This 3 day event will be held at the ANTT headquarters in Brasilia, Brazil from **Tuesday, Nov. 24 to Thursday, Nov 26, 2026.**

This international event is dedicated to advancing knowledge and best practices in WIM technologies and applications in Brazil, South America and around the world. The first day will focus on the international developments in the implementation of WIM for direct, automatic weight enforcement. A selection of renowned key-note speakers will share their experiences from North and South America, Europe, Africa and Australia. The second day will concentrate on the situation in Brazil, including a short history of WIM in Brazil, the results from the recent WIM Sandbox, examples from show case projects and a panel discussion on the remaining challenges for successful implementation.



Overview of the exhibition hall

On the third day, there will be a technical site visit to the HS-WIM station at Anapolis (Rodovia BR-414/GO km 432+174, Anápolis/GO) near Brasilia. During the seminar there will also be an exhibition where ISWIM vendors will show there latest solutions and developments. For more information on the exhibition and sponsoring opportunities just contact one of the contacts listed below.

- Gustavo Otto | ottogus@gmail.com
- Andy Lees | andyleeswork@talktalk.net
- Hans van Loo | hans.vanloo.int@gmail.com

Coming Events
(subject to change)

Intertraffic Amsterdam
Amsterdam, The Netherlands
10-13 March 2026
www.intertraffic.com

HVTT Forum Webinars
22 April - Smart heavy vehicles within an intelligent transport environment
6 May 2026 - Worldwide trends towards high-productivity transport
www.hvttforum.org

Southern African Transport Conference (SATC)
Pretoria, South Africa
6-9 July 2026
www.satc.org.za

National Traffic Monitoring Exhibition and Conference (NaTMEC)
Nashville, Tennessee, USA
6-9 July 2026
www.natmec.org

Commercial Vehicle Safety Alliance (CVSA) + ISWIM Webinar
Virtual Event
7 October 2026
www.cvsa.org

ITS World Congress
Annual Conference and Exhibition
Gangneung, South Korea
19-23 October 2026
www.2026itsworldcongress.org.com

RSWIM-4, 4th Regional Seminar on WIM
24-26 November 2026
Brasilia, Brazil
www.gov.br/antt and www.iswim.net

ICWIM-10, 10th International Conference on Weigh-In-Motion
ISWIM and HVTT Forum
9-13 May 2027
Ljubljana, Slovenia
www.is-wim.net

Commercial Vehicle Safety Alliance (CVSA) + ISWIM Workshop
Annual Conference and Exhibition
Atlantic City, New Jersey USA
22-26 August 2027
www.cvsa.org

Do you know other WIM-related events? Please contact:
- Hans van Loo | hans.vanloo.int@gmail.com

Intercomp HS-WIM Expansion in Southeast Asia

Across Southeast Asia, governments are accellerating the modernization of vehicle weight enforcement, and Intercomp's strain gauge strip sensors have become a central component of this transformation. Initially adopted for reliable pre-selection applications, these systems are now forming the technological foundation for high-speed direct enforcement programs across the region.

Indonesia provides a compelling example of this transition. In collaboration with regional integrators, Intercomp strip sensors have been deployed in more than 40 HS-WIM lanes across Java, Sumatra, and Kalimantan. These installations support national objectives such as reducing truck overloading, improving road safety, protecting transport infrastructure, and strengthening regulatory compliance. The technology has also demonstrated strong operational durability in demanding environments, including port logistics facilities such as Pelindo Multi Terminal, where multiple WIM lanes support continuous freight movement, and heavy-duty mining operations such as Borneo Indobara, where systems operate under sustained industrial loading conditions.

Strain gauge strip sensors in operation in Thailand

A similar evolution is underway in Thailand, where more than 30 HS-WIM lanes currently serve pre-selection functions on provincial road networks. Authorities are preparing to transition these deployments toward direct enforcement, supported by the proven performance, stability, and environmental resilience of Intercomp strip sensor technology.

Strain gauge strip sensor growing adoption—now extending to more than 50 countries—reflects a combination of engineering characteristics consistently valued by system integrators and transportation agencies: long-term calibration stability, robust design, and reliable measurement performance across a wide range of traffic conditions. Collectively, these attributes contribute to improved data integrity, reduced lifecycle costs, and enhanced operational continuity, positioning Intercomp sensors as a preferred option for the region's next generation of intelligent weight-monitoring infrastructure.

■ **Leonardo Guerson** | leonardog@intercompcompany.com

■ **Tomas Pospisek** | tomasp@intercompcompany.com

ISWIM Consultants

Corner Stone	www.corner-stone-int.com
FIMAU	www.FIMAU.com
NMi	www.nmi.nl
RTS GmbH	doupal@hispeed.ch
Static Motion	www. staticmotion.co.za

Interested in joining the ISWIM Consultants, just contact:

■ **Matija Mavrič** | matija.mavric@cestel.si

■ **Hans van Loo** | hans.vanloo.int@gmail.com

ISWIM Guide for Users of WIM

The ISWIM Guide for Users of Weigh-In-Motion serves as a basic, yet comprehensive introduction to Weigh-In-Motion. The Guide covers different aspects related to the working, specifying, buying, installing, testing, maintaining and using of WIM systems and data. To enhance accessibility for users starting with WIM, these topics are described in easy-to-understand language.

This document covers different aspects related to the working, specification, purchase, installation, testing, operation and maintenance of WIM systems, and the application of the data they produce. A PDF version of the WIM User Guide can be downloaded at the ISWIM website: www.iswim.net/library/wim-users-guide/

■ **Hans van Loo** | hans.vanloo.int@gmail.com

Kistler WIM powers Brazil's transition to free-flow tolling and direct weight enforcement

Brazil is taking a major step toward modernizing its highway infrastructure with the rollout of Kistler's Weigh In Motion (WIM) technology by EcoRodovias, one of the country's largest highway concessionaires. The company manages around 4,800 km of roads across eight states and is now deploying KiTraffic Digital system from Kistler to enable multi-lane free-flow tolling eliminating the need for traditional toll booths and keeping traffic moving seamlessly.

Kistler's system for electronic tolling with Weigh In Motion

This new WIM generation is capable of highly accurate axle counting and reliable vehicle detection, even in mixed or lane changing traffic. It forms part of Brazil's broader strategy launched in 2023 to expand automated traffic monitoring across its vast road network of more than two million kilometers. Distributed gantries equipped with Kistler sensors and integrated solutions from partners such as Sinelec and Tattile now support real-time tolling without interrupting traffic flow.

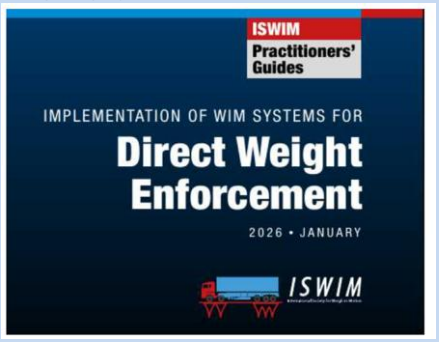
Kistler's KiTraffic Digital system

Since 2024, EcoRodovias has also been using the KiTraffic Basic system for direct weight enforcement. Following type approval by INMETRO in August 2024, Brazil's authorities now accept dynamic truck weighing at highway speeds for legal enforcement - a first in the country. Initial deployments have already resulted in tens of thousands of overload violations being detected automatically, demonstrating the efficiency and impact of this reliable WIM technology.

■ **Christoph Klauser** | christoph.klauser@kistler.com
■ **Ingrid Sagorz** | ingrid.sagorz@kistler.com

Guide on WIM Systems for Direct Weight Enforcement

The latest addition to the series of ISWIM Practitioners' Guides is the guide on the "**Implementation of WIM Systems for Direct Weight Enforcement**". Direct weight enforcement means that the measurements from the high-speed WIM system are used directly for weight enforcement without the need for any legally accepted verification measurements by a low-speed WIM or static weighing system.



This document offers an overview of the different aspects, advantages and challenges involved in the implementation of WIM for direct enforcement. It also provides recommendations based on experiences and best practices from the global WIM industry, and perspectives of agencies involved in enforcement along with published documentation, aiming to assist in the successful implementation of high-speed WIM systems for direct weight enforcement.

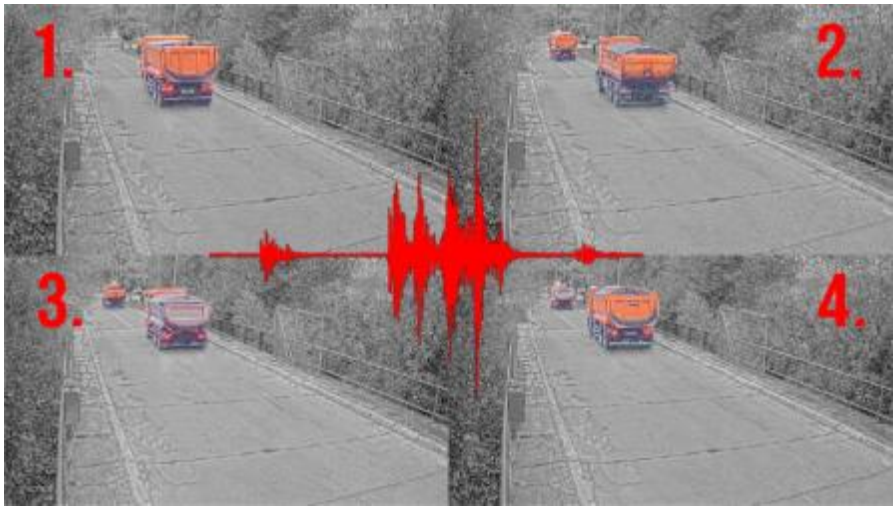
It may be used as a basis for the establishment of specific requirements, regulations and procedures for a successful implementation of WIM for direct weight enforcement. It does NOT intend to serve as a standard or to dictate what actions individuals or organizations should take. The Guide is published and available via the ISWIM website: www.iswim.net/library/published-guides/

■ **Hans van Loo** | hans.vanloo.int@gmail.com
■ **Gerhard de Wet** | gerharddw@staticmotion.co.za

Combining SHM data with passage of single heavy vehicle

For the past two years, Cestel has been intensively cooperating with bridge experts in designing a system that combines data from strain sensors and accelerometers with the output from a bridge Weigh-In-Motion system. The main idea behind this setup is to accurately link the data from strain sensors and accelerometers to an individual vehicle, which passed over a Bridge-WIM system. By doing so, axle loads, axle distances, and gross vehicle weights can be coupled to strains, vibrations, and accelerations, all of which are important parameters in bridge analysis.

There are two main challenges when combining outputs from multiple sensors: time synchronization and event isolation. Synchronizing the outputs of sensors is important in order to correctly determine the sequence of events, i.e., when exactly did a vehicle cross individual sensors. Once you have the sensors synchronized, it is important for the software to enable isolation of individual events. Since the bridge weigh-in-motion system is located on the bridge, it is possible to disregard any events where multiple vehicles are driving over the span, giving the end users only the information on the correlation between individual vehicles and their effect on the structure.



Signal from four trucks pasing the bridge

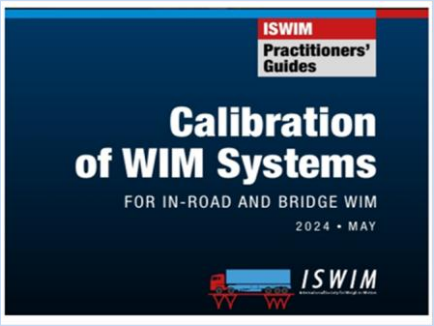
The figure above shows four trucks passing over the structure in close proximity to each other with an overlaid signal from an accelerometer with each peak representing a vehicle. Such a combined system collects vastly more data than conventional structural health monitoring systems or weigh-in-motion systems, which operate separately.

It has been successfully tested on bridges in the Netherlands and Slovenia, where bridge engineers used the correlation between axle loads and strain in fatigue analysis while also getting data on the largest load events (how many vehicles were present on the span at the same time and what was their weight). Given the critical state of bridges in Europe, this kind of setup can help infrastructure owners in identifying the most critical structures.

■ **Matija Mavrič** | matija.mavric@cestel.si
■ **Martin Hauptman** | martin.hauptman@cestel.si

Guide on Calibration of WIM Systems

The third publication in the series of ISWIM Practitioners' Guides focusses on the "**Calibration of WIM Systems"**. This guide has been developed by a group of ISWIM volunteers and is aimed to assist WIM contractors and transportation agency personnel involved in field WIM system calibration. In addition, road owners responsible for developing WIM programs may find this document useful in establishing their specific requirements for a successful WIM operation.



This document will offer recommendations based on proven best practices and published documentation for conducting a successful WIM calibration for in-road and bridge WIM technologies. The purpose of this document is to provide step-by-step procedures to perform an initial or routine calibration of WIM equipment installed for high-speed WIM data collection to support highway monitoring and transportation statistics.

This guide should be used only for systems that are for general traffic monitoring, statistical applications and WIM pre-selection. This guide is not aimed at systems used for legal metrology applications such as direct enforcement and does not circumvent any available standard WIM specifications. The Guide is published and available via the ISWIM website: www.is-wim.net/library/published-guides/

■ **Andy Lees** | andyleeswork@talktalk.net
■ **Deborah Walker** | deborah.walker@dot.gov

Young Researcher Award

The ISWIM Young Researcher Award recognizes and supports young professionals, including bachelor, master, and PhD students, and researchers who are contributing research to the WIM field. If you are 35 or younger and your research relates to WIM, you are eligible! The award includes two scholarships to cover the participation in an in-person ISWIM "Event" that includes registration, travel, and accommodations up to €2,500. An "Event" can be any WIM-related conference, seminar, or others.

Participants must demonstrate a passion for WIM through either their studies or early professional life and show "substantial evidence" of their research. To apply, submit the following required documents:

1. One-page research summary including; title, objective, scope, and conclusions
2. PowerPoint presentation of up to 25 slides, showcasing your research.
3. Send your submission to: info@is-wim.net

This year's deadline for submissions is April24th, awardees will be announced before May 29th. The ISWIM Student Webinar featuring awardee presentations will be held end of August, 2026.

■ Sylwia Stawska | SVStawska@modjeski.com

Successful WIM Pilot Leads to Major Deployment in Saudi Arabia

We are pleased to share an important milestone achieved in cooperation with our partner, Shibh Al Jazira Technology & Contracting Co. (SAJTEC), in the Middle East region.

Pilot station in Saudi Arabia

Together, we successfully completed a pilot Weigh-In-Motion (WIM) project in Saudi Arabia. The pilot installation demonstrated excellent performance and reliability under real traffic and environmental conditions, confirming the suitability of the selected solution for large-scale deployment. The results provided valuable operational data and validated both the technical concept and the implementation approach.

Introducing: Applied Traffic

Recently we have welcomed Applied Traffic as the 32nd member of our Vendors & Consultants College.

With decades of expertise, Applied Traffic combines innovation and engineering excellence to shape the future of vehicle weighing. Its mission is simple: to provide smarter, stronger, and more sustainable solutions for a changing world.

From slow-speed Weigh-In-Motion to high-speed precision systems, Applied Traffic's technology delivers consistent, reliable results. Built on world-class British engineering, every solution is designed to perform under pressure.

Beyond weighing vehicles, we deliver the data that powers smarter decisions. From infrastructure planning to logistics optimization, our systems give you the insights needed to stay ahead.

We're more than a provider — we're your partner in performance. Let's work together to unlock efficiency, boost safety, and achieve your operational goals with confidence.es.

Learn more about Applied Traffic at https://www.at.co.uk or contact:

■ James Pester | jamesp@at.co.uk

Based on the positive outcomes of the pilot project and a subsequent tender process, our partner has signed a contract for the delivery of additional WIM systems in the Kingdom of Saudi Arabia (KSA). This represents a significant step forward and a strong vote of confidence in the technology, system design, and long-term operational benefits of modern WIM solutions.

The project has now entered the final preparation phase. Technical teams from all involved parties are currently working on the detailed specification, final system configuration, and integration requirements to ensure full compliance with local regulations and project expectations.

This achievement highlights the importance of well-executed pilot projects and strong partnerships in delivering scalable, high-quality traffic enforcement and monitoring solutions.

■ Jan Fučík | international@camea.cz

Continuous Calibration WIM to be deployed in Nebraska

Quarterhill's Continuous Calibration WIM (CCWIM) technology will soon be used at key sites across the state of Nebraska in the USA. In partnership with state authorities, Quarterhill will upgrade the eastbound and westbound weigh station sites at Waverly, North Platte, and Nebraska City, bringing this advanced calibration technology to a crucial part of the region's Commercial Vehicle Operations (CVO) network.

CCWIM is a solution that automatically calibrates Weigh-In-Motion (WIM) systems by leveraging weight data collected from static scales. This eliminates the need for manual calibration and ensures consistent, accurate weight measurements for all vehicle types and speeds. This rich data set has value to users beyond use at the weigh stations by providing highly accurate truck weight information for long periods to road designers and traffic planners.

iSINC and SLC WIM Scale at Nebraska City Westbound Preclearance

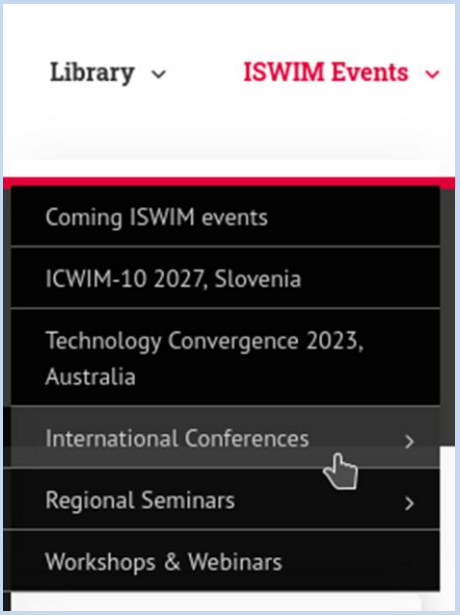
The deployment of CCWIM at six strategically located sites will enhance sorting efficiency, reduce enforcement bottlenecks, and improve the overall effectiveness of Nebraska's CVO infrastructure.

The upgrades at Waverly, North Platte, and Nebraska City weigh stations will ensure seamless integration of the CCWIM system. The enhancements will

Information on past ISWIM Events

Over the years ISWIM has organized several Weigh-In-Motion related events. This varied from ½ or 1 day workshops, larger regional seminars to full scientific international conferences. We realize that you may have been interested to attend these events but were unable to do so.

That is why at our website www.is-wim.net/events/ we have made a lot of information on the coming and past ISWIM events available to our members.



For most events the program, proceedings, presentations and often also the video recordings are available for all members of ISWIM.

In addition in our public library at www.is-wim.net/library/ you can find all papers from the last International Conferences on WIM (ICWIM4 – ICWIM9).

■ Hans van Loo | hans.vanloo.int@gmail.com
■ Andy Lees | andyleeswork@talktalk.net

include the deployment of iSINC WIM electronics for mainline monitoring and compliance, static scale integration with the operator software to enable automated calibration, and advanced camera systems for matching WIM data with static scale records. These improvements will create a closed-loop calibration system that operates continuously in the background, ensuring long-term accuracy and operational efficiency.

■ Tom Der | tder@quarterhill.com

AI-Enhanced WIM-VMS Integration

Intelligent Weight Enforcement with Real-Time Driver Communication. Modern Weigh-In-Motion (WIM) installations combine measurement systems with Variable Message Signs (VMS) to create transparent, efficient weight enforcement stations for direct enforcement.

WIM system combined with VMS in Poland

Our approach integrates weighing platforms with VMS displays that provide immediate feedback to drivers. As a vehicle crosses the weighing zone, sensors capture axle loads, gross weight, and vehicle profile using LIDAR technology. ANPR cameras simultaneously record identification data while CCTV documents the entire process.

The critical element is the speed of data processing and information flow. Weight measurements are instantly analyzed by AI algorithms that validate data quality, classify vehicles, and determine compliance status. Results are displayed on LED signs before the vehicle exits the station—drivers receive clear indication of their weight status and, when overload is detected, specific information about the violation and pending penalty.

This direct communication channel between the weighing system and driver reduces disputes and supports enforcement legitimacy. Measurement reliability in our systems is enhanced through AI-driven error detection and correction algorithms that analyze sensor data patterns, filter anomalies, and cross-validate results against vehicle classification parameters. This multi-layer verification approach provides the confidence level required for automated penalty issuance, ensuring that only validated, high-quality measurements trigger enforcement actions.

History of International Conferences on Weigh-In-Motion

So far 9 International Conferences on Weigh-In-Motion have been held and the 10th edition is scheduled for May 2027 in Ljubljana, Slovenia.
The conferences are:

ICWIM-1
Zurich, Switzerland
8-10 March 1995

ICWIM-2
Lisbon, Portugal
14-16 September 1998

ICWIM-3
Orlando, Florida, USA
13-15 May 2002

ICWIM-4
Taipei, Taiwan, ROC
20-23 February 2005

ICWIM-5
Paris, France
19-22 May 2008

ICWIM-6
Dallas, Texas, USA
4-7 June 2012

ICWIM-7
Foz do Iguaçu, Brazil
7-10 November 2016

ICWIM-8
Prague, Czech Republic
19-23 May 2019

ICWIM-9
Brisbane, Australia
6-10 November 2023

ICWIM-10
Ljubljana, Slovenia
9-13 May 2027

All papers of the past ICWIM's can be found at: www.is-wim.net/library/

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Another WIM system combined with VMS in Poland

The architecture enables seamless integration between the WIM Pro software platform and client penalty management systems, automating violation processing workflows. Each installation is engineered to match local regulatory frameworks, site-specific constraints, and operational requirements.

Our deployment experience spans multiple continents, with installations operating under varying climatic and logistical challenges. Remote diagnostics capability and coordinated IT support ensure system stability during commissioning and throughout operation.

Meet us at INTERTRAFFIC Amsterdam, Stand 01.131, to discuss integrated WIM-VMS solutions tailored to your infrastructure needs.

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Weigh-in-Motion for Truck Enforcement: From Current Practice to Future Directions Workshop

This workshop was held during the Transportation Research Board (TRB) Meeting January 11, 2026, in Washington, DC. The workshop explored the use of WIM technology for commercial vehicle enforcement, highlighting current practices, challenges, and emerging applications. Participants learned how agencies are leveraging and integrating WIM for screening, compliance, and data-driven enforcement, and discussed innovations shaping its future role in improving safety, efficiency, and infrastructure preservation.

The workshop focused on four categories: current state, best practices, ongoing studies and initiatives, and future direction. Here is the <link> to a post on LinkedIn thanking the presenters and TRB committees for sponsoring the workshop.

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