KISTLER

measure. analyze. innovate.

# A new standard for infrastructure protection

## Keeping road usage under control

KiTraffic Plus is a complete solution for vehicle enforcement and preselection including Weigh In Motion

# A full-scope solution from one source

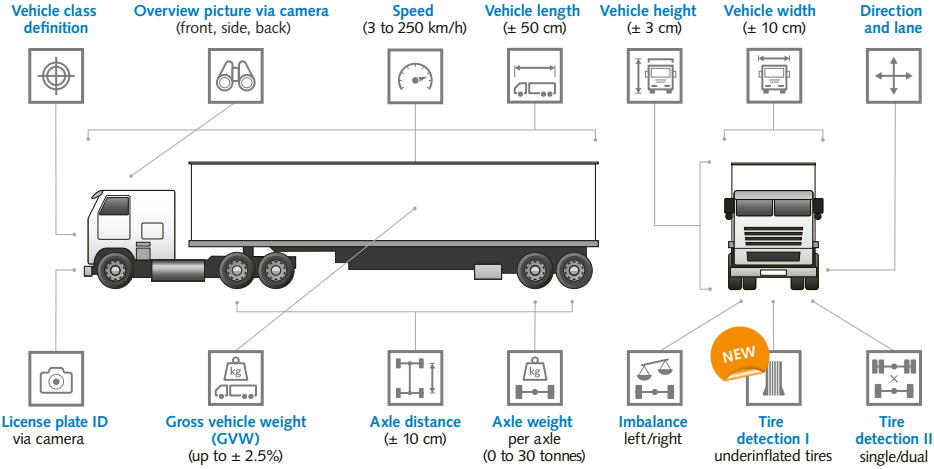
**A new and comprehensive solution for traffic monitoring based on Weigh In Motion: KiTraffic Plus gives you full control over direct enforcement or preselection of vehicles, bridge and tunnel protection, and many other applications.**

With road usage and heavy truck traffic escalating all over the world, automated systems play a more important part than ever before: as well as monitoring traffic, they also have to enforce vehicles that violate laws or regulations governing weight, speed, dimensions and other parameters. KiTraffic Plus gives you a flexible solution that can be tailored to your specific scenario and application: you, the customer, are free to choose which components you need for preselection or direct enforcement of noncompliant vehicles.

As an open ecosystem, KiTraffic Plus can integrate field and measurement devices of all types. Standard options include:

- WIM system based on piezoelectric quartz sensors to capture axle load, gross weight, vehicle class and tire anomalies
- Integrated or external speed measurement
- Camera with ALPR (ANPR) capability for vehicle photos and license plate recognition
- Dimension scanner to capture a vehicle's width, length and height
- Software from Kistler to display preselection data live during traffic spot checks or post-processing of offenses

## One system to measure everything



# Weigh In Motion – and more

**Based on decades of WIM experience, KiTraffic Plus comes with full-scope WIM capability adaptable to your needs. Lineas piezoelectric sensors capture axle loads, overall weight and even tire anomalies with utmost precision.**

Gross vehicle weight (GVW)

**±2.5% – ±15%**

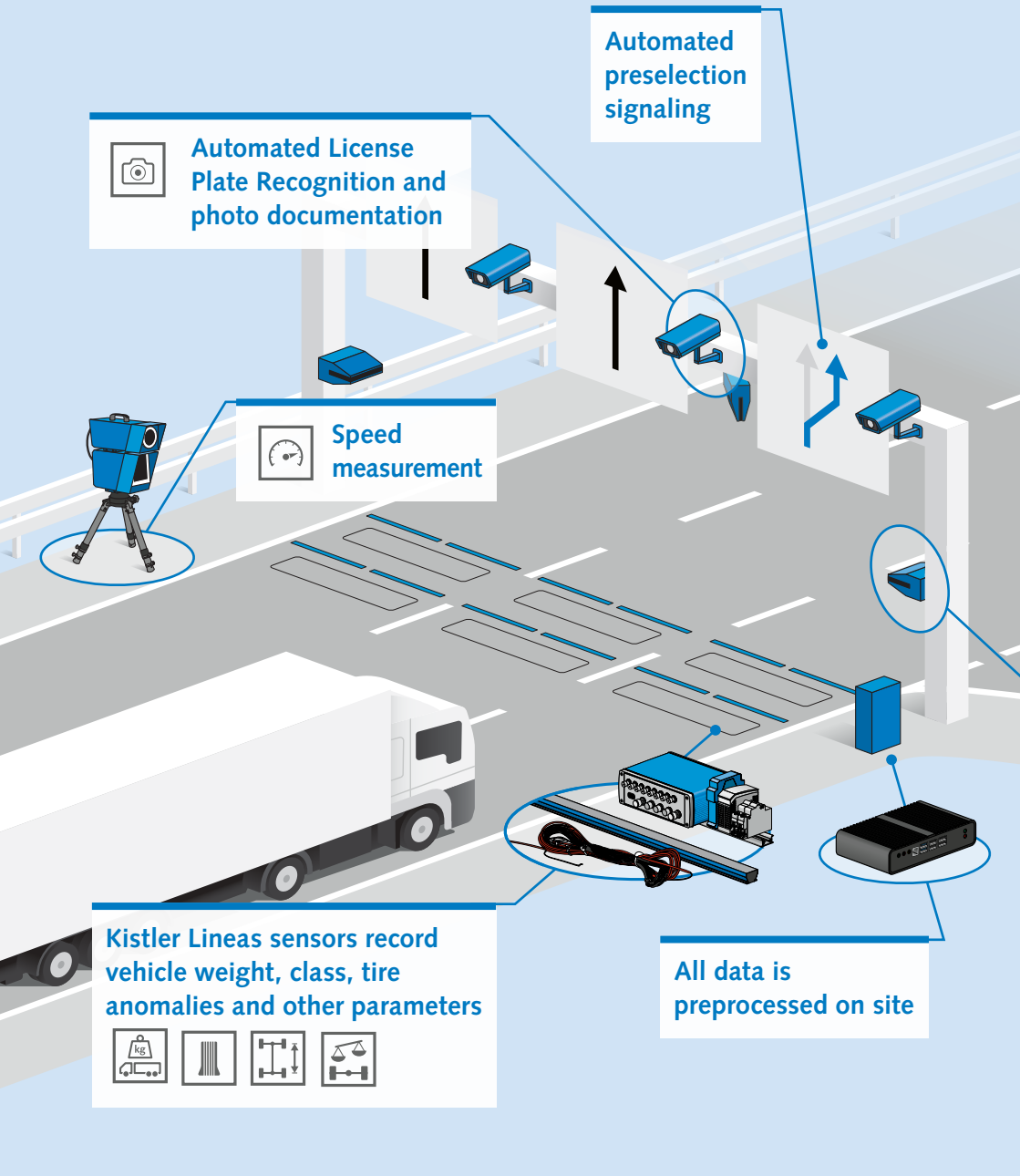
Overloaded vehicles are one of the main causes of road damage, and they are also more likely to cause accidents. KiTraffic Plus helps to improve infrastructure protection and prevent accidents by capturing each vehicle's identity and class, along with key parameters such as axle load, gross weight (GVW), speed and dimensions; it can even detect tire imbalance and underinflated or flat tires. KiTraffic Plus: the solution of choice for vehicle monitoring and enforcement.

**Main benefits of KiTraffic Plus**

- Efficient preselection of dangerous vehicles
- Open and adaptable system
- High reliability in all weather conditions
- Intuitive user interfaces
- Configurable alarms for different violations
- Versatile software packages
- Comprehensive Kistler services

www.kistler.com

# A complete solution for vehicle preselection and enforcement



Measurements are verified manually, vehicle is checked for further violations

All data is post-processed in the back office

Vehicle dimensions are captured

KiTraffic Plus – with open architecture for individual traffic solutions tailored perfectly to your needs

For more information, visit:

www.kistler.com/WIM

# All the software you need for efficient data management

**For vehicle preselection as well as direct enforcement, data visualization and processing are key factors in efficient daily practice. We offer you dedicated software packages that cut post-processing effort to the minimum, no matter which application you need.**

Kistler Studio is a full back-office software solution for managing and evaluating measurements, entering additional data and post-processing enforcement cases. It offers comfortable export and print functions, together with user management to implement different access levels and rights.

## Kistler Studio

**Once you've acquired your datasets, preparing them for legal prosecution is fast and simple – with step-by-step guidance from Kistler Studio.**

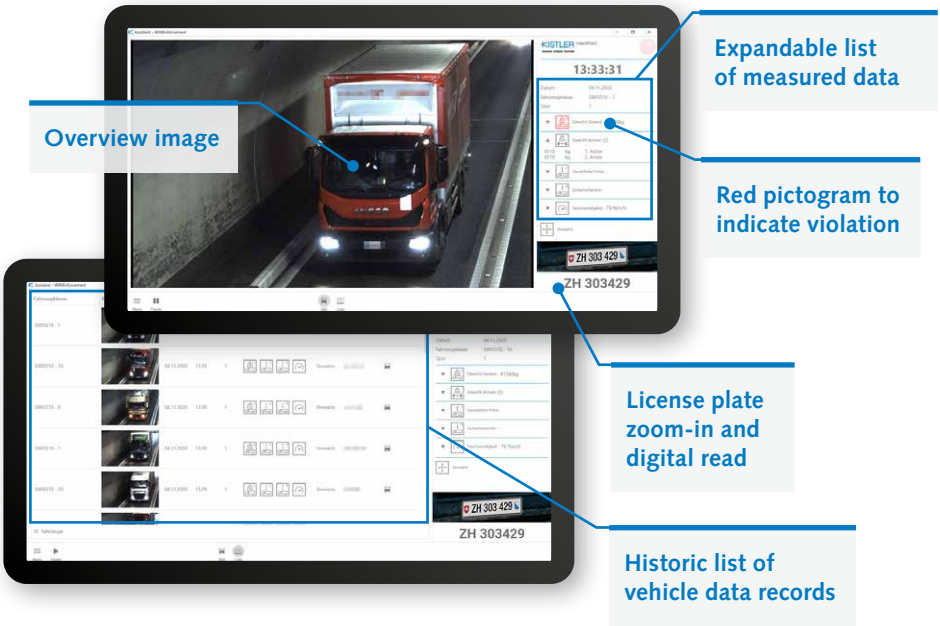
1. **Import all vehicle data records**
2. **Verify all measurements**
3. **Add metadata and driver information**
4. **Add further evidence**
5. **Adjust camera pictures**
6. **Freeze dataset with unique reference number**

## Kistler Checkpoint

**Efficient vehicle preselection depends on capable software. With Kistler Checkpoint, you get the data you need in real time, displayed on a tablet or laptop: exactly the support that police officers need to do their job.**

When checkpoint staff stop a truck because of traffic violations, they must have the relevant data to hand. Kistler Checkpoint displays all the measured vehicle data directly, together with an overview image and the license plate photo. Various options are available to filter the results, and users can quickly access data from vehicles that passed the measurement station very recently.

1. **Real-time processing**
   – classify vehicle, check for violations, pre-filter data records
2. **Live view of vehicle**
   – shows measured parameters and overview image, indicates violations
3. **Preselection**
   – truck is signaled to stop
4. **Verification**
   – verify with static measurements, manual inspection
5. **Complete the data record**
   – note any further violations using check-boxes and free text



# Full service package for carefree operation

**We want every KiTraffic Plus system to deliver maximum accuracy and reliability throughout a long service lifetime. That's why we offer our customers a complete service package.**

## Overview of available KiTraffic Plus services

| | |
|---|---|
| **Consulting** | Be sure to find the optimal system setup and best location for your installation |
| **Project management** | Complete execution from tender to handover |
| **Training** | Learn how to get the most from your system |
| **Calibration** | Maximum accuracy and verification support |
| **Maintenance service** | Opt for regular inspection and calibration! |

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961-537e-03.22 © 2022 Kistler Group