

# #OPTIWIM®

## IN AN A3 WORLD CLASS OF IT'S OWN

Direct Enforcement

Toll-per-Tonne Applications

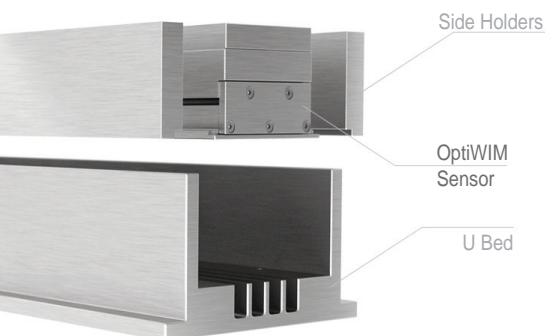
# ±3%

## Gross Weight Accuracy

OptiWIM® is a world first free-flow dynamic WIM system, which weighs vehicles in full width, independently of the wheel position, during crossing of the installation. This provides extremely accurate weighing, meaning OptiWIM® is the first system worldwide that achieves A3 precision, according to WIM standards.

# FIBRE-OPTIC TECHNOLOGY

## Distortion Free with Fibre-Optic Technology

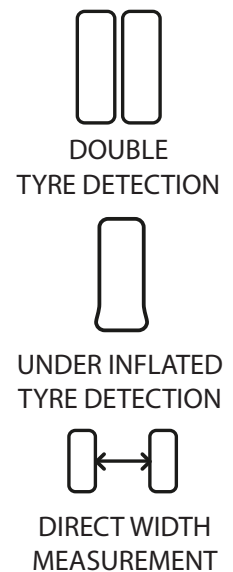
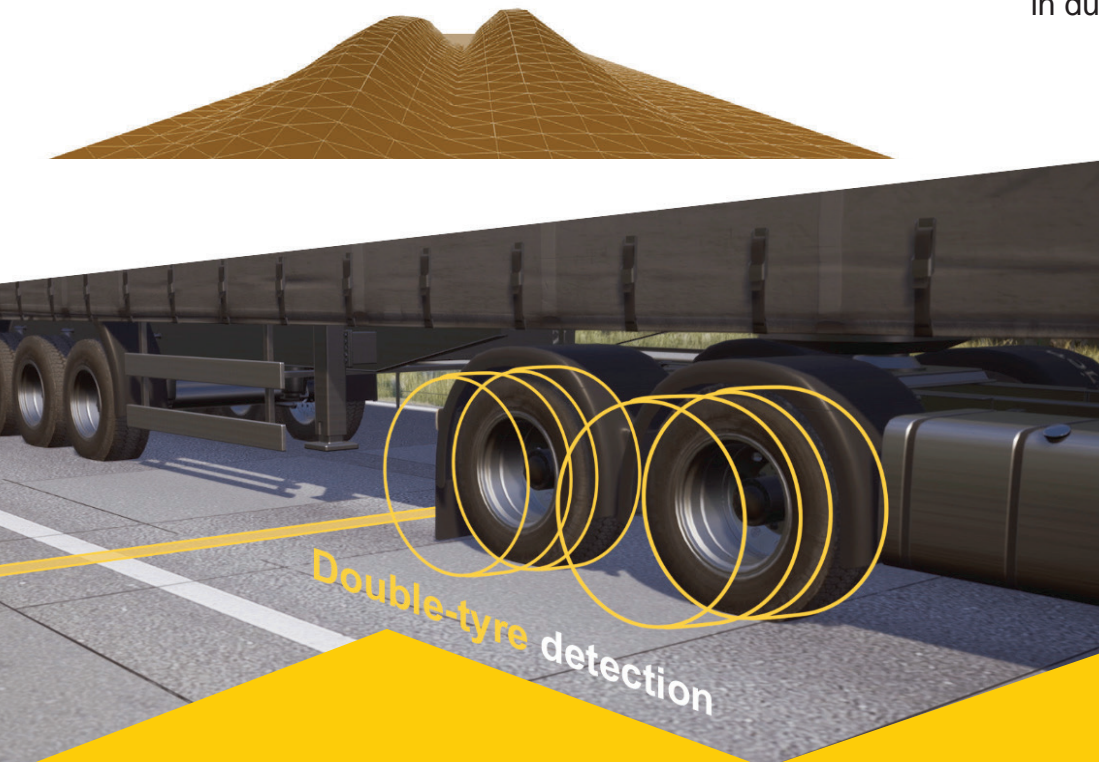


**TRAKBLAZE**

OptiWIM® is a completely new sensor which uses unique fiber-optic technology. The sensor operates solely on optical principles, without electronic components. The electronics are located within the control unit and not in the sensor. This innovative solution provides a disproportionately large amount of data from the sensor, during each measurement, in comparison to conventional technology. OptiWIM® is totally passive with maximum radio frequency immunity, i.e. resistance to magnetic fields. The sensor is unique with a distortion-free temperature change compensation which allows accurate weight assessment, regardless of current weather conditions.

#1291798	5:26:59 PM 1/15/18 time & date	73 km/h speed	17.70 m vehicle length	CTE 5B09 front license plate	1
2 axle tractor + 3 axle trailer	4 Slow lane direction	40008 kg total weight		CTE 4J64 rear license plate	NO VIOLATIONS

EXAMPLE OF DOUBLE-TYRE DETECTION



## Easy Installation Easy Maintenance

## Unique Features & Benefits

- Gross weight accuracy  $\pm 3\%$
- Detection of wheels trajectory, vehicle width measuring directly by sensor
- Double-tyre detection
- Direct detection of underinflated tyres
- Direct compensation of ambient temperature
- 10 year lifespan

The system requires only a U-Bed shape for the assembly to be placed into the road surface. Once the U-bed shape is installed, the maintenance and possible replacement after **10 years** of the sensors lifetime consists only of changing the insides without the need of any other intervention into the road surface

**WIM like  
never before...**



MINING, RAIL, ROAD & AIRCRAFT WEIGHING SYSTEMS  
Over 85 years of Innovation