

TRACK  
MORE  
WITH LESS

FRAUSCHER  
SENSOR TECHNOLOGY

**Simple access to the  
information you need.**



# More relevant information with less effort.

Ever since the foundation of Frauscher Sensor Technology this thought is the driver behind our high innovative strength. We are consequently developing existing as well as new products based on modern technological approaches to ease the access to information. This allows system integrators and operators to manage, monitor, protect and efficiently operate their network.

We are going ahead keeping the focus on simplification of handling as well as maximising the output.

This is just one of the many reasons why our customers all around the world are already best-equipped to face up to the challenges of the future.



# Simple access to the information you need.

## OUR MISSION

In an increasingly complex world we make it easy for our customers to obtain the information they need.

## OUR VISION

Our solutions will be tomorrow's industry benchmark, requiring less hardware to enable smooth, safe and efficient railway operations.

## OUR CLAIM

Track more with less.

“ Our claim **track more with less** states that we make it simpler for our customers to obtain the information they need to run, monitor and to protect their trains and infrastructure.

**Christian Pucher, Marketing Director**

InnoTrans 2016, Berlin | 20 September 2016



# Essential components for various applications.

Robust wayside equipment for sensing and evaluation guarantees reliability and safety.



## CONTROL

### Trains and systems

Precise detection and tracking of train movements enables efficient train control management. Our systems provide information required for track vacancy detection (SIL 4), to manage level crossings, for switching point protection or platform announcements as well as further applications.



## MONITOR

### Condition of trains and infrastructure

Our wheel detection systems provide highly precise information for reliable and safe triggering of track side monitoring equipment. Furthermore, tracking systems offer innovative possibilities to directly monitor train and infrastructure assets.



## PROTECT

### Personnel and infrastructure

The ability to detect all kinds of activities along a track forms the basis for efficient protection of personnel, vehicles and even animals. These capabilities can also be used for securing infrastructure components from trespassers, cable thefts or vandalism.

# A tailored solution to fulfill needs and specific requirements.

Based on Frauscher's expertise and know-how, worldwide leading operators and system integrators rely on our solutions.



## TECHNOLOGIES

### A broad range of reliable information

Frauscher provides customers with a broad range of relevant and precise information by developing best-in-class sensors based on inductive sensor technology and on Distributed Acoustic Sensing.



## SYSTEMS

### Simple integration and handling

Due to open interfaces Frauscher solutions can be simply integrated into any infrastructure on various levels. Our smart system architecture enables to use wheel detection, axle counting and tracking systems as stand-alone or integrated solution.



## SUPPORT

### Success in your projects

Our customer proximity and technical know-how on-site in the markets enables answering requirements with tailored solutions. On that basis we are able to guarantee an outstanding support during the whole customer life cycle.

# Perfect integration of the right system.

Due to a smart architecture and a range of flexible interfaces, our systems provide an optimum base for creating individual and project specific solutions.

## WHEEL DETECTION



## AXLE COUNTING



## TRACKING





# Meeting the challenges of each single railway market.

MAIN LINES



URBAN & MASS TRANSIT



INDUSTRIAL & MINING





# Frauscher is a global leading expert.

## EMPLOYEES

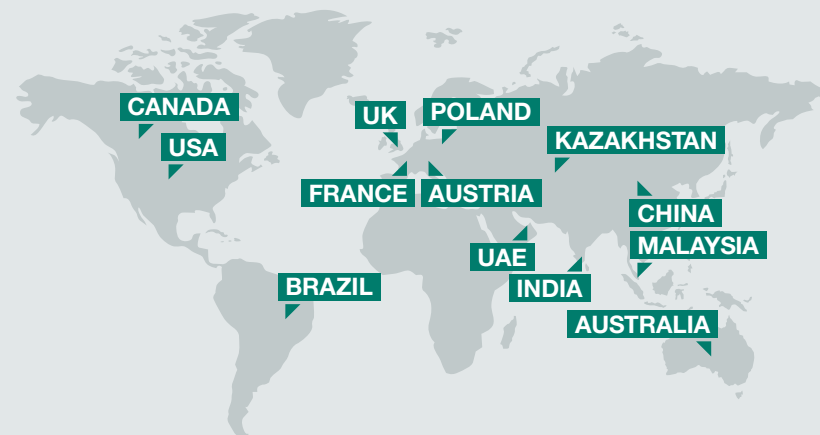


## EXPORT QUOTA



TO MORE THAN  
80 COUNTRIES

## WORLDWIDE PRESENCE



## SALES AND SERVICE PARTNERS

In Algeria, Germany, Indonesia, Mexico,  
Spain/Portugal, Sub-Saharan Africa and South Korea

## ANNUAL PRODUCTION VOLUME

About  
**20 000**  
wheel sensors

## INSTALLED BASE

More than  
**150 000**  
wheel sensors

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FRAUSCHER  
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**If you have any questions, please feel free to contact us:**

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