# Tachograph and Driver Data inspection
# now and in the future

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# About us



- Established in 2002, currently 222 employees

- Developing software and devices for enforcement authorities,

- Member of Corte organization in Brussels

- Member of Tachograph Forum and cooperation with EC

- Trainings for Control Authorities , Assistance in roadside checks

- Master Class in Osnabrück – International manipulation workshops

- Individual projects with BAG (Germany), VKTI (Lithuania), Tööinspektsioon (Estonia), DVA (Northern Ireland), DVSA (UK) – Tachonet Connection

# Our products for Enforcement Authorities

Trainings

Software

Hardware

# Our Customers using Tachoscan Control

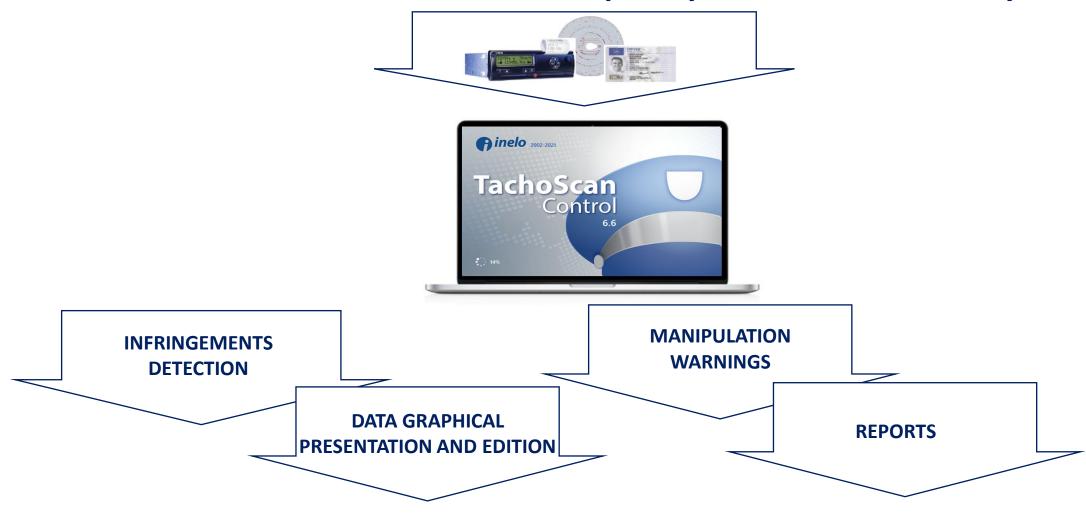| | |
|---|---|
| **Poland** | ITD, Police,Border Guards, Customs Chambers, PIP (Labour Inspectorate) - 2006 |
| **Germany** | BAG (Transport Inspection) – 2007 |
| **United Kingdom** | Police – 2012, DVSA – 2015, DVSA (VOSA) – 2016 |
| **The Netherlands** | ILenT – 2014, Police – 2015 |
| **Czech Republic** | Police, Custom Chambers – 2007, CSPSD (Transport Inspection) – 2016 |
| **Estonia** | Police and Labour Inspectorate – 2008 |
| **Romania** | ARR and ISCTR (Transport Inspections) – 2009, 2013 |
| **Lithuania** | VKTI (Transport Insp.) and Labour Inspectorate – 2008  VMI (Customs Insp.) – 2018 |
| **Latvia** | State Police, Road Transport Administration, Traffic Department – 2008 |
| **Luxembourg** | Customs Inspection – 2014, Labour and Mines Inspectorate – 2016, Police - 2018 |
| **Slovakia** | Police – 2015 |
| **Slovenia** | Police, Transport Inspection – 2016, Customs Inspection - 2017 |
| **Malta** | Transport Inspection – 2016 |
| **Belgium** | Police (SECOVA), Police Westkust, Police Kortrijk, Ministry of Transport - 2019 |
| **Ukraine** | Transport Inspection – 2017 |
| **Macedonia** | Ministry of Transport – 2018 |
| **France** | Road Transport Directorate, Le Gendarmerie, Police, Customs - 2018 |
| **Denmark** | Police – 2018 |
| **Switzerland** | Police Zurich – 2018 |
| **Sweden** | The Swedish Transport Agency – 2019 |
| **Hungary** | Ministry for Innovation and Technology – 2019 |
| **Marocco** | Ministry of Transport -2021 |
| **Italy** | Police Units -2021 |



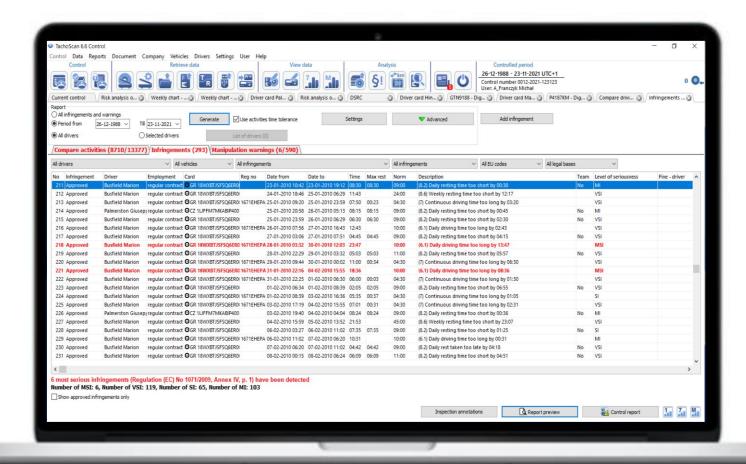# Current status:  **23** Countries     **42** Authorities     **4000** Licences

# Roadside check and company check nowdays

**INFRINGEMENTS DETECTION**

**DATA GRAPHICAL PRESENTATION AND EDITION**

**MANIPULATION WARNINGS**

**REPORTS**

# Controler's decision

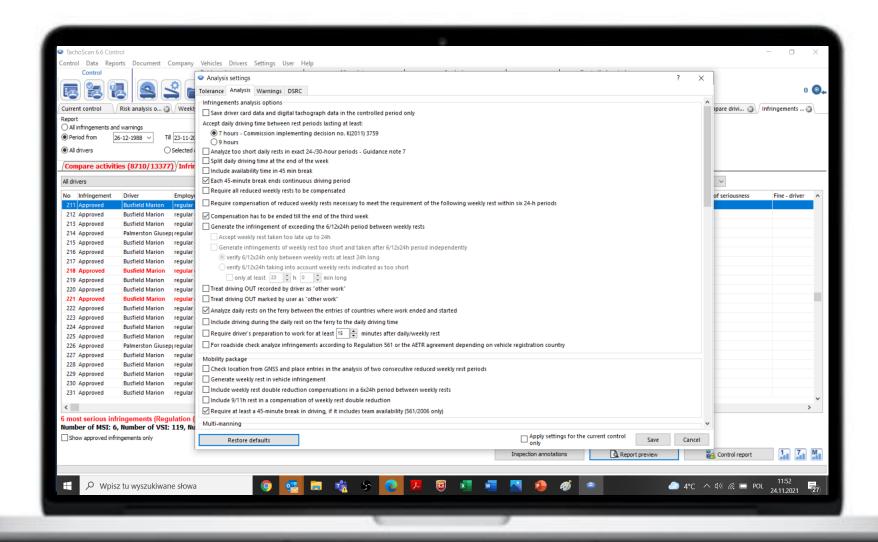# Types of infringments controllers are looking for



**TEXT**



**GRAPH**

- EC Reg 561/2006
- EC Reg 165/2014
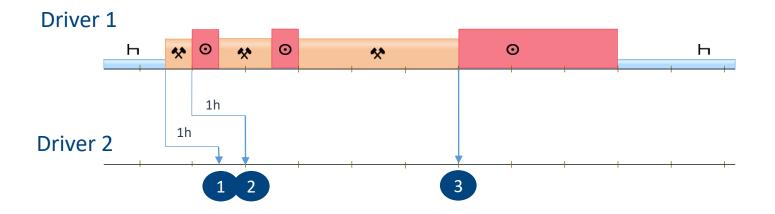- Directive 2002/15/EC
- National offences
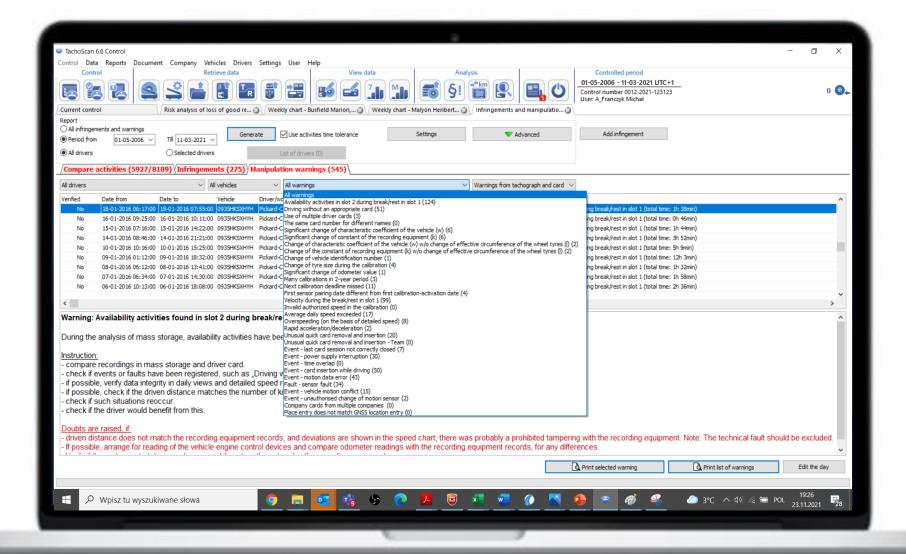
# Different interpretation of offences/legislation

# Team driving – 3 different interpretations



**1**

Require presence of the other driver within
- ⦿ a straight hour
  - ⦿ since any first activity in daily driving time
  - ○ since first driving activity in daily driving time
- ○ an hour of driving

**2**

Require presence of the other driver within
- ⦿ a straight hour
  - ○ since any first activity in daily driving time
  - ⦿ since first driving activity in daily driving time
- ○ an hour of driving

**3**

Require presence of the other driver within
- ○ a straight hour
  - ⦿ since any first activity in daily driving time
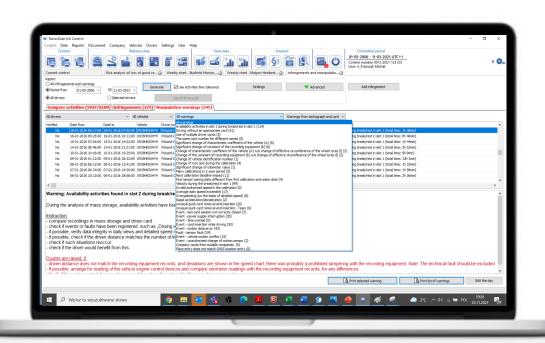  - ○ since first driving activity in daily driving time
- ⦿ an hour of driving

# Searching for a tachograph fraud during roadsid check
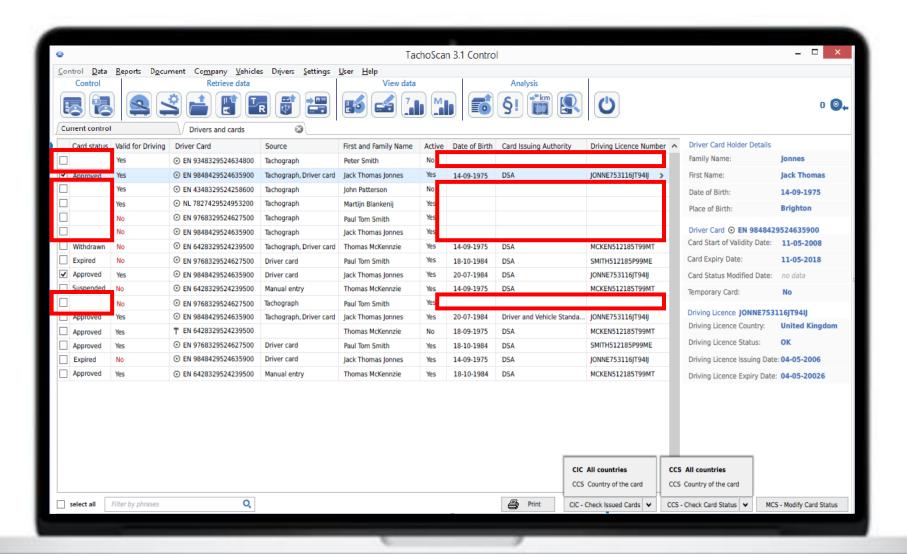
# Most popular fraud



30 DIFFERENT MANIPULATION WARNINGS

- Illegal use of another card
- Illegal driving without a card
- Interruption of rest/break
- Tachograph-motion sensor illegal interruption
- Tachograph calibration fraud
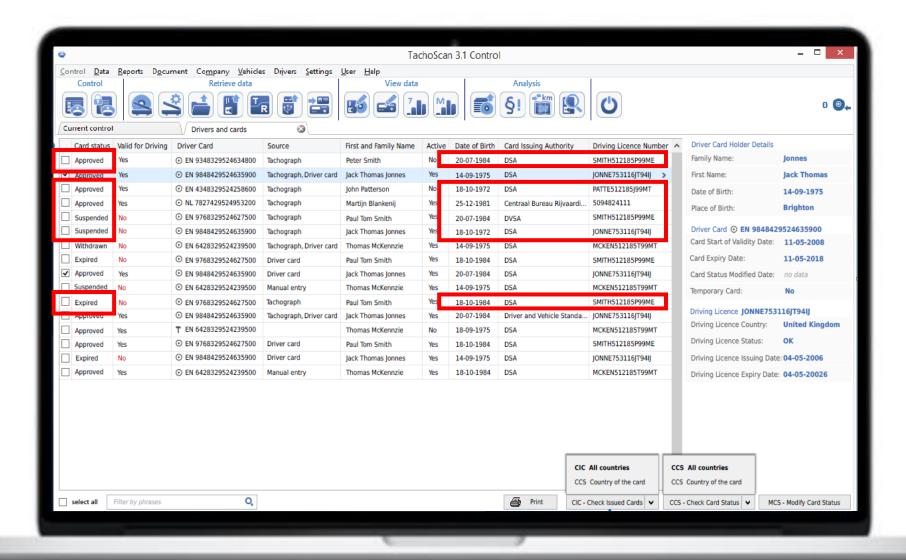- Tachograph software illegal replacement
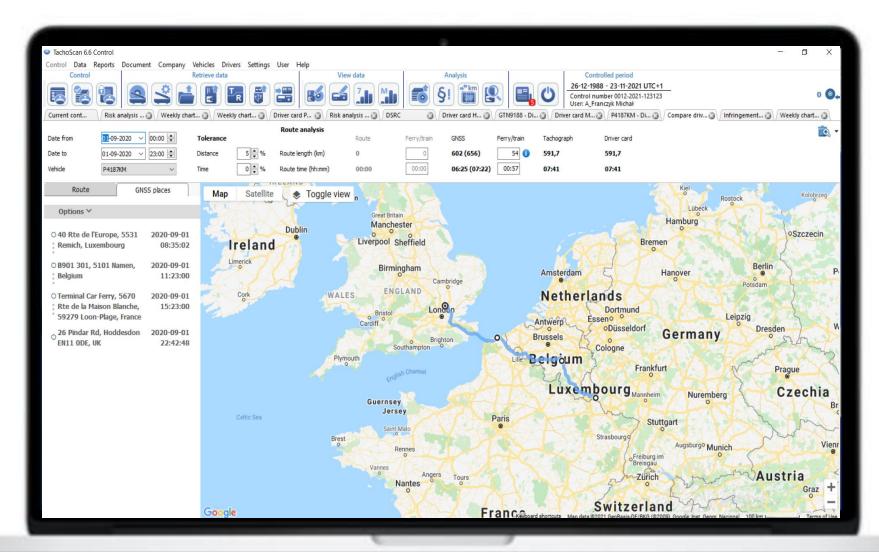
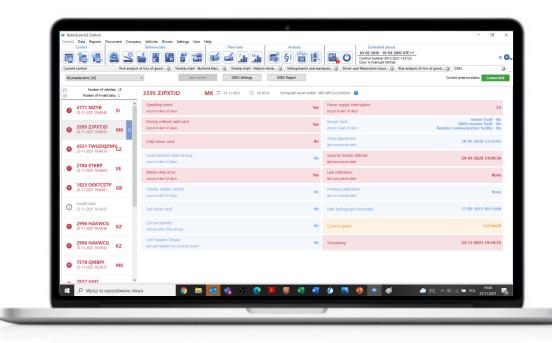# Driver card verification in TACHOnet

# Driver card verification in TACHOnet

# Comparison of distance recordings
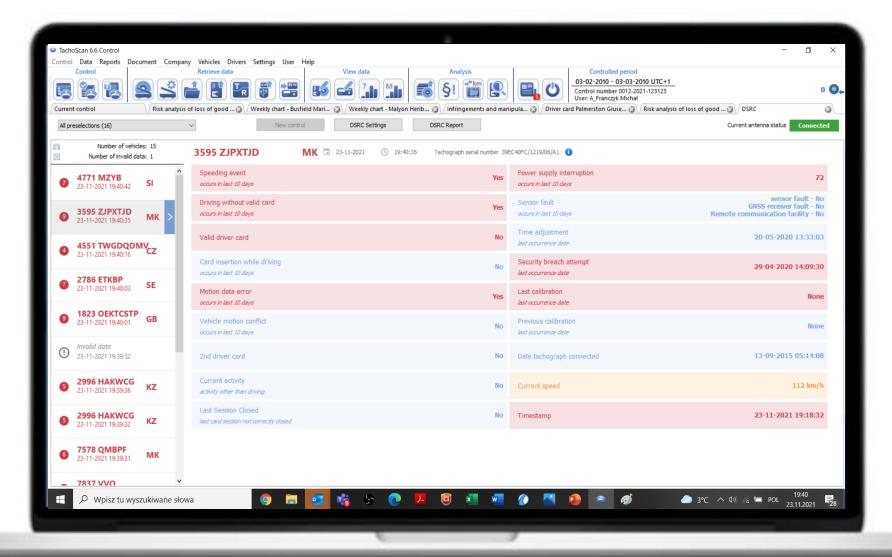
# Preselection on roadside checks
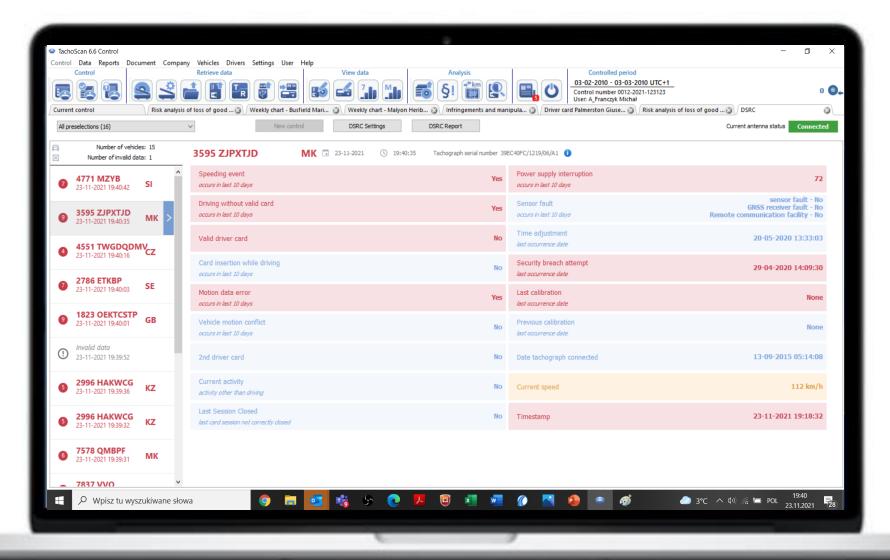
# Remote readout of part of tachograph memory
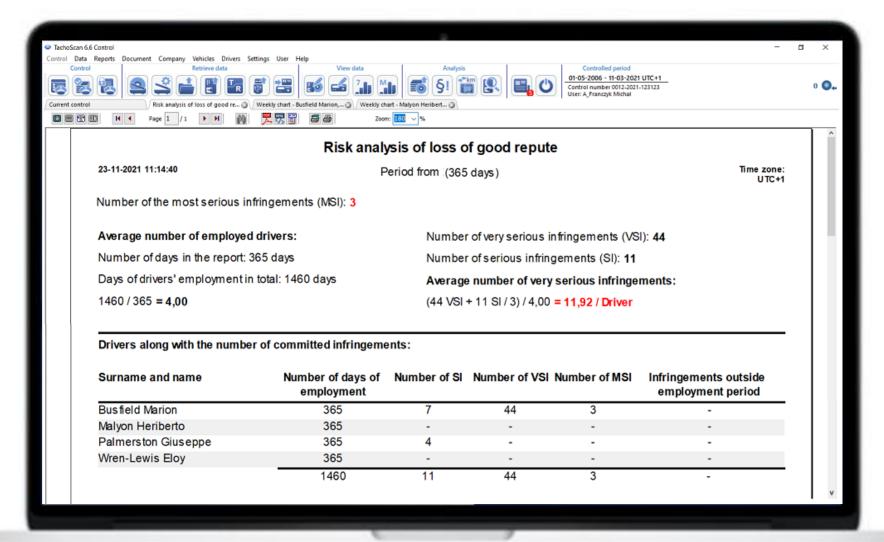
# Remote tachograph download with DSRC technology

# Additional processes during company check

# Good repute analysis in a company check

# Finding unreported drivers/trucks by comparing activities

# Mobility package changes

**New functionalities for controllers**

- Driver home return every 4 weeks ✔
- Driver taking 45h weekly rest in a truck cab ✔
- Truck home return every 8 weeks
- Border crossings to calculate foreign salary
- Border crossing to check cabotage 4-day cooling off period
- Posting declaration in IMI system
- Loading/unloading verification for foreign salary calculation
- Working time calculation for each country

# Automatic cloud system for tachpraph/card data check

# Thank you for your attention

For more information please contact:

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