

Siemens VDO.  
Your Partner for all tachograph  
issues – now and into the future.



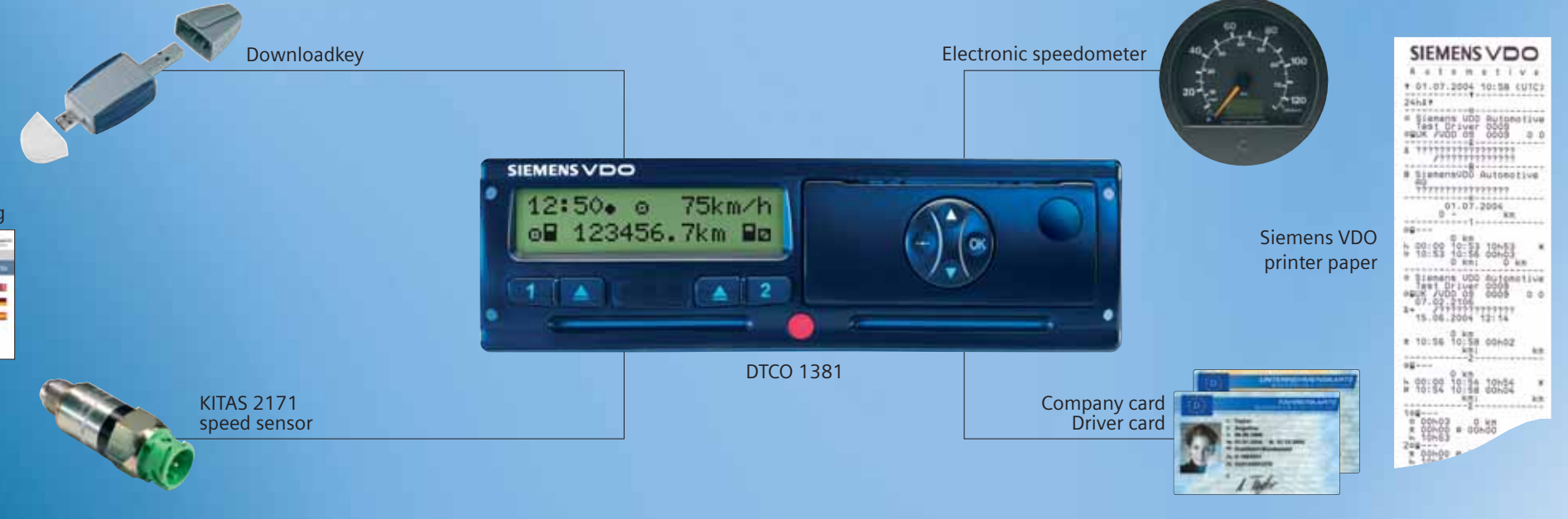
## Tachographs are our business.

Processing digital tachograph data.

### Downloading mass memory and driver card data

The Siemens VDO Downloadkey is a convenient and practical transport medium for downloading and archiving mass memory data. It features a 6-pin serial interface, which is compatible with all digital tachographs, and a USB 2.0 interface for transferring data quickly to a PC. The Downloadkey requires no separate power supply so it is always ready for use in vehicles and with PCs – it can also act as a USB stick compatible with any PC.

### Computer-based training



### Data management: Analysis and archiving

Siemens VDO offers solutions which are tailored specifically to digital tachographs in the form of TIS-Office software and the TIS-Web Internet evaluation service. Both products make it easier for fleet managers to schedule drivers, control costs and optimise routes. They also make it exceptionally straightforward to archive digital data on a PC and evaluate it for business management purposes.

Automatic driver-specific checking of driving and rest times, as well as the archiving function, aid compliance with EC social regulations.

### Original Siemens VDO printer paper

Using original Siemens VDO printer paper offers a number of benefits. Approved for all EU member states including the adjacent countries (AETR signatories), this product is available worldwide from over 10,000 sales outlets and can be used with all digital tachographs, irrespective of vehicle make. Siemens VDO printer paper also ensures maximum print quality as it is specially designed for the printer unit of the DTCO 1381 from Siemens VDO and can handle tough in vehicle conditions. With proper storage, printouts remain legible for over a year. Original Siemens VDO printer paper will be accepted by all control officials and authorities.

### Siemens VDO – the tachograph experts

Siemens VDO has held a leading position in the tachograph and accessories sector for over 70 years. Benefit from our experience and additional offerings to help prepare your company for the changes.

For example, Siemens VDO offers special computer-based training programmes for you and your drivers to make it easier to enter the age of digital tachographs.

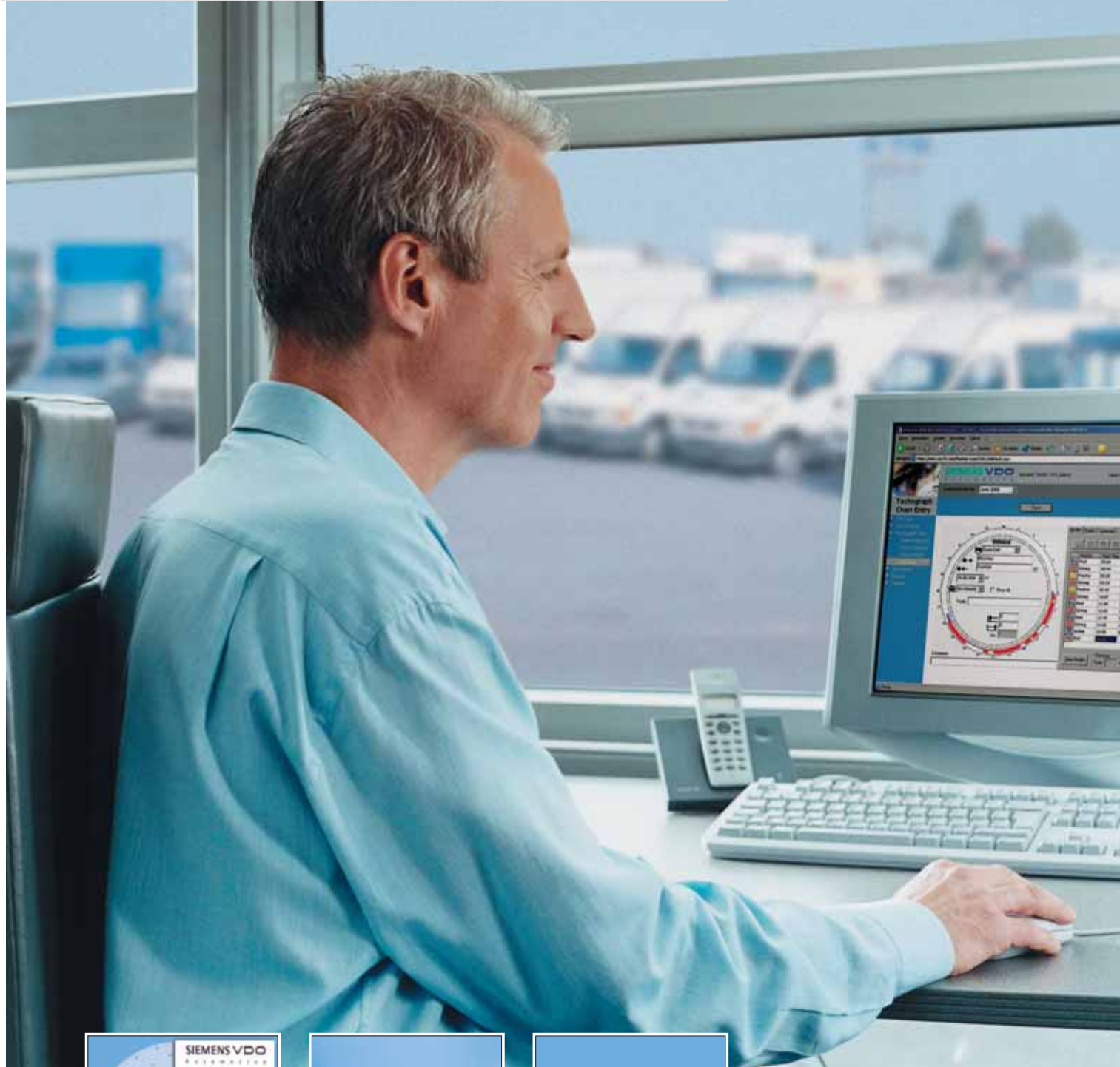
The different tools in the training package demonstrate how to use the DTCO and simulate various application scenarios. For more information about training please visit [www.vdo.com/dtco](http://www.vdo.com/dtco).

Using the TIS-Web Internet  
evaluation service



We are the experts.  
**Digital Tachograph solutions.**  
 Make effective use of technology.

**Digital Tachograph Solutions.**  
 Because it's important to keep  
 up to date with new developments.



Take advantage  
 of our  
 computer-based  
 DTCO training now!

**SIEMENS VDO**  
 A u t o m o t i v e

**The DTCO 1381 from Siemens VDO**

The DTCO 1381 EC digital tachograph sets new standards in terms of performance, technology, design and user friendliness. It digitally records data such as driving and rest times, speed and rpm, as well as information needed for calibration. The system fits any radio slot and consists of a recording unit plus mass memory, two smart card readers, an integrated printer and a display.

In conjunction with the intelligent KITAS 2171 speed sensor and the various tachograph cards, the DTCO 1381 meets all the requirements of Regulation (EC) No. 1360/2002, the new directive. Special tachograph cards ensure data security and provide personal access rights.

**Important note:**

The legislation requires that for all newly registered vehicles, the vehicle registration number must be entered into the digital tachograph by an authorised workshop within 14 days of registration.



Driver card



Company card

**How the DTCO 1381 works**

Vehicle-related data is stored in the digital tachograph's mass memory which has storage capacity for approx. 365 days. Driver-related data is stored on the driver card inserted into the digital tachograph before each journey or shift begins.

When the corresponding smart card is inserted, all data can be viewed on the display, printed out or transferred to external data storage media via an interface. The mass memory, printer paper and smart cards therefore replace the tachograph charts previously used to record data.

Thanks to its various interfaces the DTCO 1381 from Siemens VDO offers maximum flexibility. For example, it has special interfaces for connecting to the on-board electronics and to connect an instrument cluster, as well as for testing and programming tasks. In addition, data can be downloaded from the mass memory and an on-board computer or telematics system can be hooked up.

**Other functionality and options for the DTCO 1381**

- Various display colours
- Possible to change buttons and screens
- Fully automatic smart card readers
- More than 20 EU languages available
- Easy to change the paper roll
- 2 status inputs
- View rpm profile and speed profile
- Automatic warning signal after 4 hrs 15 mins driving time

The launch of digital tachographs also means changes to the way data is archived. As well as storing paper charts, in future transport companies will need to archive a copy of mass memory and driver card data at regular intervals.

For more information about changes to printing and archiving requirements visit [www.vdo.com/dtco](http://www.vdo.com/dtco).

