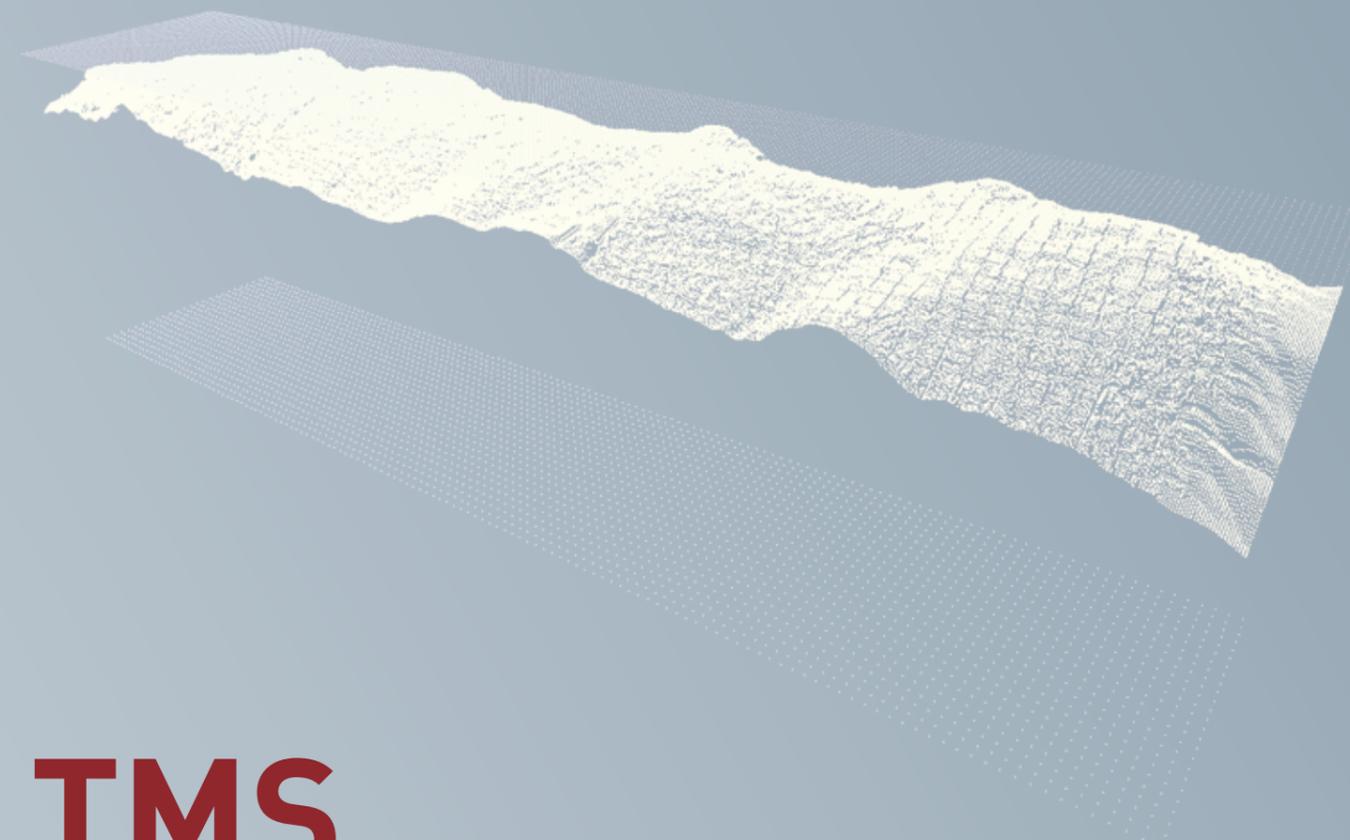


DK

DK Vermessungsservice ZT-GmbH

Präzisionsvermessung von Industrieanlagen – weltweit
high-precision surveying of industrial plants – worldwide



TMS

Truckload monitoring system

Stahlstrasse 21a, BG39
A-4031 Linz
office@dkvermessung.com

www.dkvermessung.com



www.dkvermessung.com



TMS Truckload monitoring system

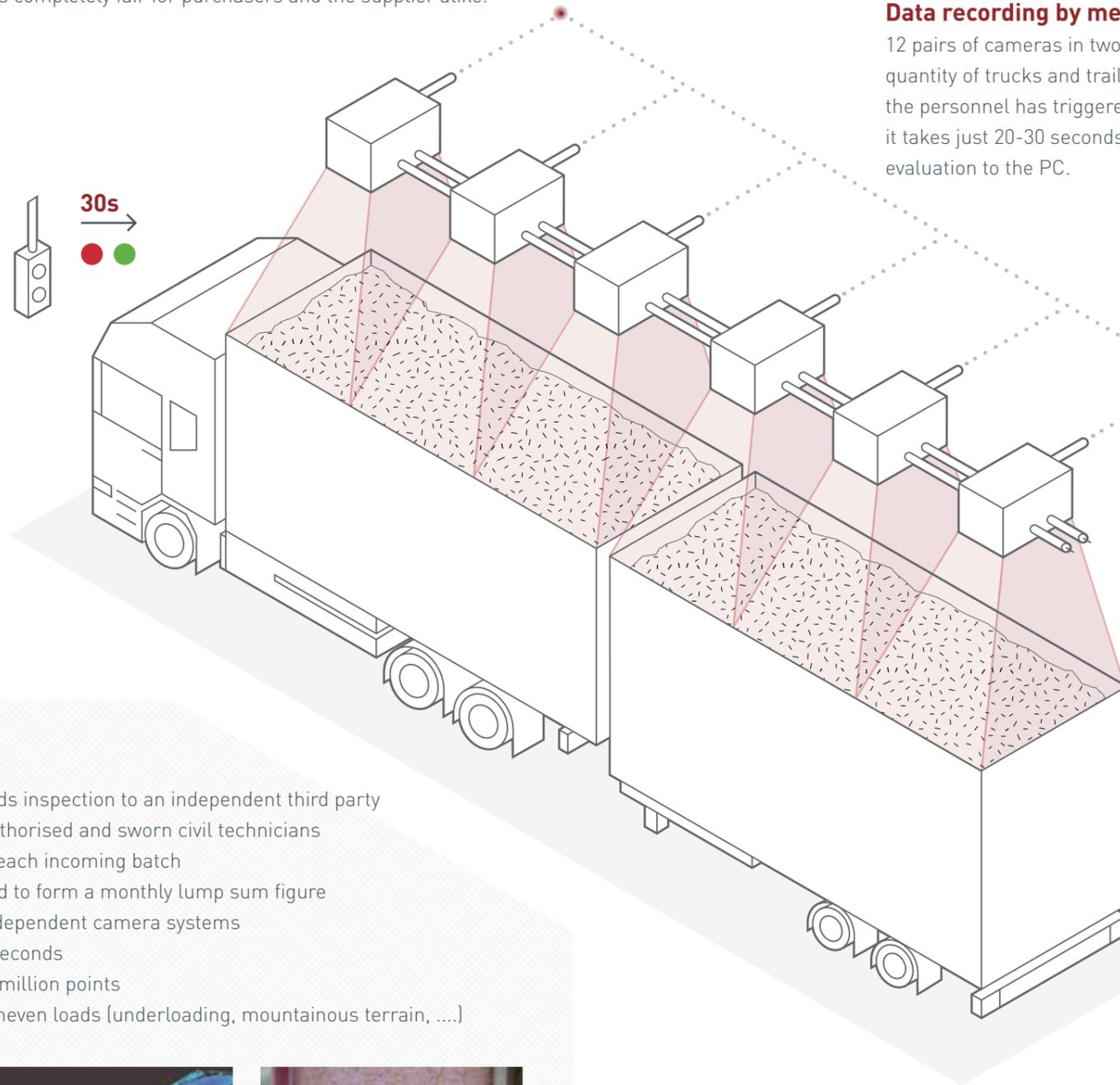
TMS performs fully automated measurements within just a few seconds, recording the volume of bulk goods loaded onto trucks. This in turn facilitates a rapid handover process of the raw materials being supplied. TMS is an independent system, so is completely fair for purchasers and the supplier alike.



TMS system on location



Camera systems

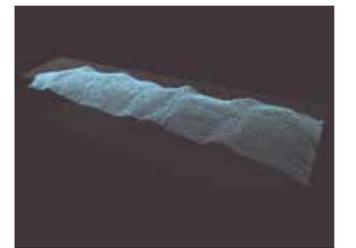
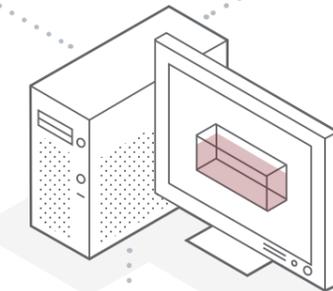


Data transfer to ERP

Accurate data about delivery quantities have a decisive role to play in many company processes. TMS permits the data obtained to be integrated directly in all modern ERP systems, and this makes it possible for processes to run so efficiently and smoothly.

Data recording by means of photogrammetry

12 pairs of cameras in two redundant systems record the load quantity of trucks and trailers reliably and incredibly fast. After the personnel has triggered the system with the truck stationary, it takes just 20-30 seconds for the data to be transferred for evaluation to the PC.



IPC data evaluation

The data recorded by the camera system are fully automated, collated and converted into a dot matrix 'cloud' containing 6 - 8 million measuring points. TMS automatically detects the edge of the load bay and calculates the volume of material in the load by cross-referencing the dimensions of the specified truck.

Data transfer to supplier

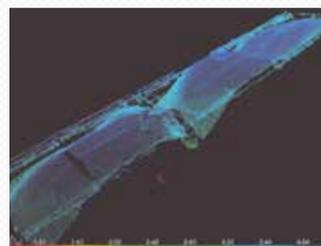
The supplier automatically receives a 3D model and a current report from the system about the precise volume of bulk goods delivered. Photographic documentation assures the accuracy of the details supplied.

System benefits

- Outsourcing of the incoming goods inspection to an independent third party
- Measurement by government-authorized and sworn civil technicians
- Documentation and archiving of each incoming batch
- Fixed costs that can be calculated to form a monthly lump sum figure
- Redundant system due to two independent camera systems
- Typical calculation time 20 - 30 seconds
- Recording of surface from 6 to 8 million points
- Precise measurement even on uneven loads (underloading, mountainous terrain,)



Before: Load quantity is estimated



After: fully automated measurement



Documentation and archiving

