

Smart weighing & logistics systems at thyssenkrupp Steel

SysTec weight indicators in truck scale installations



One of the world's leading suppliers of high-grade flat steel - **thyssenkrupp Steel** - has launched a comprehensive digitalization project at Gate 6 in Duisburg. Fast, efficient and transparent - this is how the steel group manages traffic flow and goods handling on their premise. The truck weighstation plays a central role with **SysTec weight indicators and terminals** in use.

The key facts

- Second largest logistics hub in Germany
- More than 2000 incoming trucks daily
- 40 million tons of goods moved per year
- Five truck scales at gate 6 and two at gate 7 as well as numerous rail and coil scales
- Fast handling at gates and scales
- Real-time monitoring of weighings via control station, incl. data management

Products

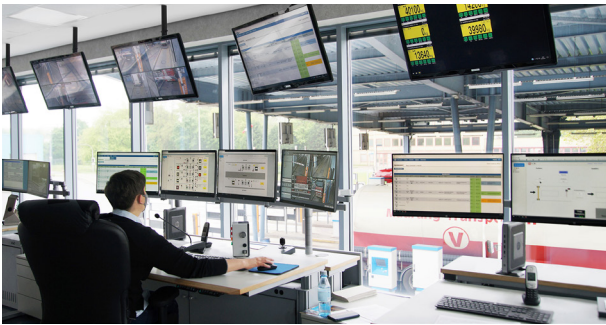
- IT8000E: W&M approved and rugged SysTec weighing terminals for continuous truck scale operation (panel-mounted units and desktop units in the scale control station)
- SysTec application software *TRUCK/ONLINE* ensures efficient vehicle weighing
- PC *ScaleView* for approved weight display on the monitors in the control station

Customer benefits

- Fully digital weighing processes controlled and monitored via control station
- Accurate, W&M approved weight determination
- Reduction of weighing time per truck by two thirds - faster processes, avoidance of traffic congestion
- Modern truck scales with automated self-handling by truck drivers (QR codes)
- Authorization for conformity assessment through SysTec (accredited by NMI) - continuous trainings
- Durable, reliable and highly accurate weighing systems
- User-friendly application software for truck scales, customized to customer's needs

Weighty optimization

Every day, around 2,000 trucks and 13,000 vans pass through the plant gates of thyssenkrupp Steel in Duisburg. To develop new potential, the company has replaced the previous logistics system. The new digital concept enables traffic flow to be equalized thanks to digitalized processes. Online check-in options for trucks, new driver-operated terminals and reduced weighing times speed up handling, prevent congestion at the plant gates and save money. The state-of-the-art truck scales ensure fast weight checks.



Scale control station with digital weight monitoring



Truck scale at gate 6 with driver operating terminal

Everything in view - increased safety

The scale control station helps to increase safety in the plant through seamless monitoring. Among other things, the staff checks the truck weights that are transmitted from the SysTec weighing terminals of the IT8000E series to the W&M approved digital displays and can answer questions from drivers if required. In the future, a track-and-trace system will also be used to record and control trucks as they enter the facility in order to optimally direct traffic flows.

At a glance: IT8000E weighing terminal

- High operating comfort: bright TFT color display 5.7" with wide viewing angle and large weight display; alpha-numeric keyboard
- W&M approved as non-automatic and automatic scale, (approved in EC, USA, etc.)
- Universal use: Numerous standard application programs
- Customizable: Free programmability
- Robust: Stainless steel housing (protection class IP69K)
- Ex-area: For hazardous areas SysTec offers the version IT8000E Ex2/22 and for zones 1/21 the version IT8000Ex
- Several housing options: Wall-mount / desktop version as well as version for panel-mount installation
- Numerous interfacing options: 2 internal and up to 6 external scale connections, can be integrated into PC networks via Ethernet or WLAN, connection to label & network printer, PLC connection via fieldbus
- High operational security: Powerfail-safe data storage, password protection, battery-backed real-time clock, remote diagnosis







„I have been consulting our customer thyssenkrupp Steel for many years. The smart weighing terminals from SysTec are an excellent fit for their sophisticated digitalization concept. As a native son of Duisburg, I am particularly proud of what has been achieved here, and I'm looking forward to the challenges in the weighing sector ahead of us!“

Ralf Golinski, SysTec Sales Manager, DACH & Benelux

Further information:



SysTec Systemtechnik und Industrieautomation GmbH

Since 1994 SysTec has been developing and producing W&M approved industrial weighing indicators and filling controllers for static and dynamic scales.

More than 150,000 installations are successfully in use worldwide. The innovative SysTec weighing systems work reliably in numerous applications: These include filling systems for liquids and bulk materials, shipping / receiving scales, beltweighers, vehicle scales, checkweighers, piece counting scales, mobile weighing systems and all kinds of customer-specific applications. In addition to standard products, SysTec also offers customer-specific system solutions and custom-made hardware and software. Comprehensive technical advice completes the range of services.

The production and development site for SysTec weighing terminals and software solutions is Germany. The company is located in Bergheim-Glessen, near Cologne. The production of the weighing terminals and software is subject to international OIML standards.

More: www.systecnet.com



thyssenkrupp Steel Europe AG

thyssenkrupp Steel is one of the world's leading manufacturers of flat carbon steel and stands for innovations in steel and high-quality products for advanced and demanding applications.

Steel employs approx. 27,000 people and with an annual production volume of around 11 million tons of crude steel is Germany's biggest flat steel producer.

Its capabilities range from customized materials solutions to material-related services. Steel meets the increasing demands for ever more efficient lightweight and safety standards, researches and develops new high-performance steels and sets standards in surface and processing technologies.

A wide range of sectors are served internationally, including the automotive industry, mechanical engineering, construction of special vehicles, the appliance and packaging industries, the energy sector and the construction industry. Intensive research and development work lay the foundation for sustainable success.

More: www.thyssenkrupp-steel.com