

S.KOe COOL with S.CU ep85
Good for the environment, good for business



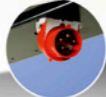
Powerful compressor: Design identical in construction to the Diesel cooling unit



Quiet due to electric drive



CEE socket for stationary standby operation and battery charging



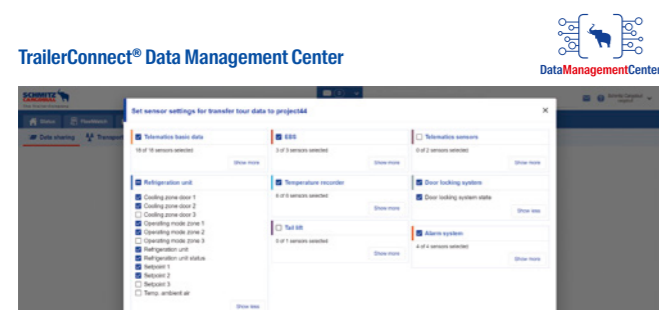
Battery Power Pack in the support windmill



e-axle in the ROTOS chassis

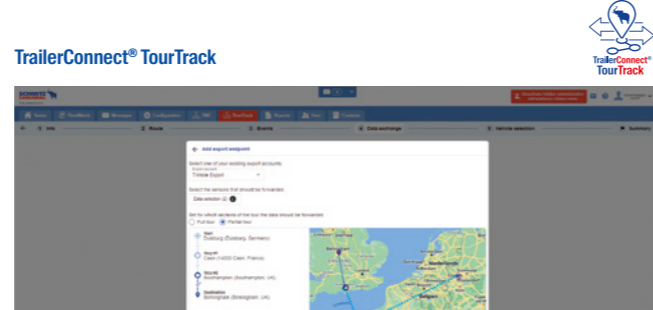


TrailerConnect®. One portal. Numerous functions.
Intelligent services for data integration, live tracking & trailer service.



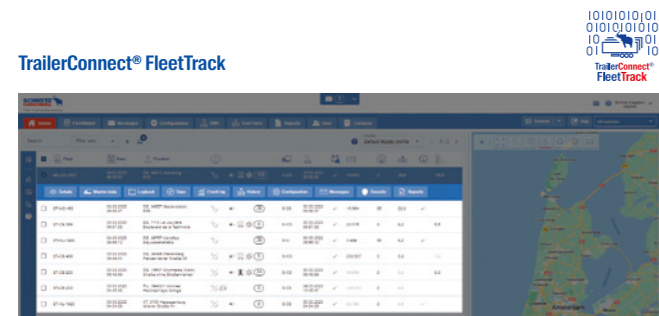
Data integration of the different process participants in one place.

- Infrastructure and consolidation platform for all telematics data
- Individual and secure configuration of the data streams
- Visualisation of the entire transport network - incl. subcontractors



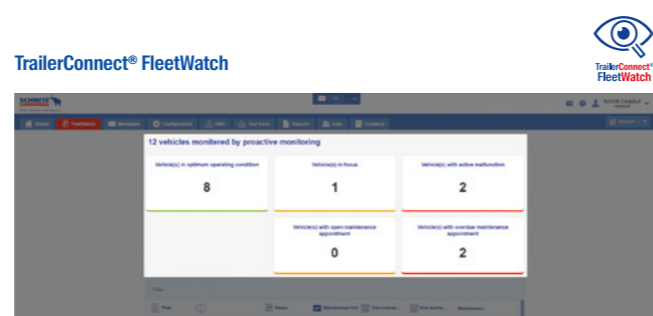
Order-related tracking of vehicles and sharing of transport data

- Targeted and selected data forwarding for each route (e.g. to any Real Time Visibility platforms)
- Route-based real-time monitoring, including estimated time of arrival (ETA)
- Automatic generation of order-related temperature reports



Real time fleet visualisation

- Display of trucks & trailer position and availability in real time - independent of the telematics hardware used
- Comprehensive notification and alarm configuration
- Personal reporting and history of all events, positions and temperatures



Real-time monitoring of the transport cooling unit

- Fleet dashboard for real time monitoring of transport cooling units.
- Automatic fault analysis with recommendations for remedial action
- Service partner referral



Transport it the Schmitz Cargobull Way
Sustainable. Silent. Cost-efficient.
Temperature-controlled transport. Fully electric.

THE TRANSPORT ORDER:
A company transports frozen pizza from Rotterdam to Amsterdam with the fully electric S.KOe COOL semitrailer with S.CU ep85 cooling unit



Friday, Carrier CoolUnterwegs
Dispatcher Tim plans the routes for Monday in the TrailerConnect® telematics portal. Tim links the transport to his client's Real Time Visibility platform (RTV). He uses the TrailerConnect® Data Management Center (DMC) for this.

- In the TrailerConnect® portal he sets:**
- The **battery mode "SAFE"**, the generator axis ensures that the battery charge is always at least 90-95 %, for maximum protection against goods spoilage.
 - The **geofence zone*** at the loading and unloading location with notification on entry by e-mail, SMS, in the portal or in the beUptoDate app



The tour starts on Monday

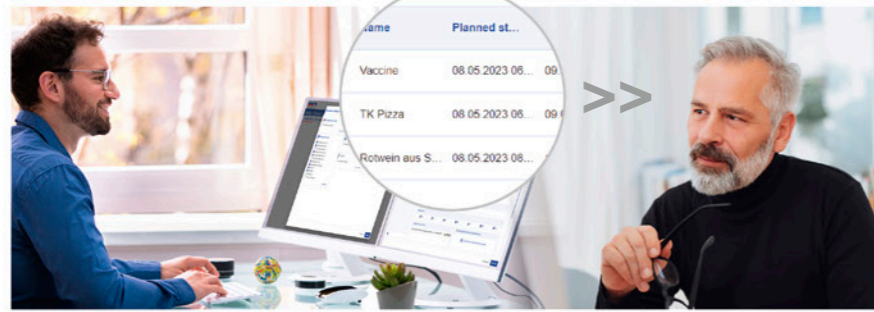


More info on the S.KOe COOL



More information about the transport cooling unit S.CU ep85

* Automatic start of data transmission via TrailerConnect® Data Management Center when entering the loading zone and automatic stop when leaving the last unloading zone.



Mr Snel, logistician at Cool&Fresh, can follow the order live:
 - The selected position and temperature data are automatically transmitted to the RTV.



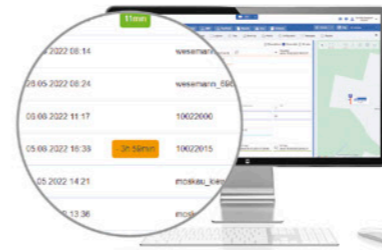
Dispatcher Tim tracks the route with **TrailerConnect® TourTrack**:
 - He receives real time information about **operating status, position, malfunctions and temperatures**.
 - He shares **temperature and position data** with Mr Snel from Cool&Fresh logistics.

- The data is automatically and securely forwarded to Cool&Fresh's chosen **Real Time Visibility platform (RTV)**.

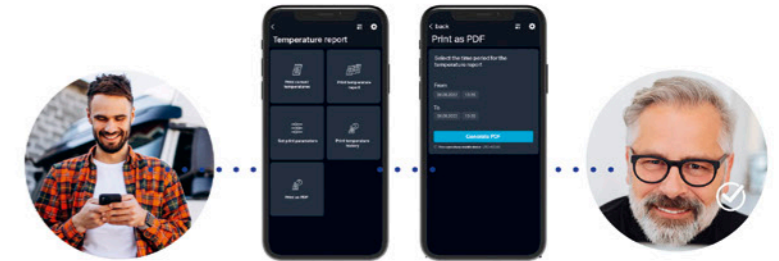


- Safe on the road**
 Sebi informs a curious colleague during a traffic jam about his "work simplifications":
- His company has concluded **full service contracts*** for trailers, cooling units and tyres for the entire fleet.
 - The **europa-wide service partner network** with 24/365 breakdown service ensures maximum trailer uptime.
 - The protection insurance with **all-risk cover** protects Sebi against the risks of everyday work.
 - **TrailerConnect® telematics** monitors the trailer and cooling unit and provides timely information about upcoming services.

*The full service contract for the S.KOe COOL reefer with electric cooling unit covers all wear part repairs and maintenance.



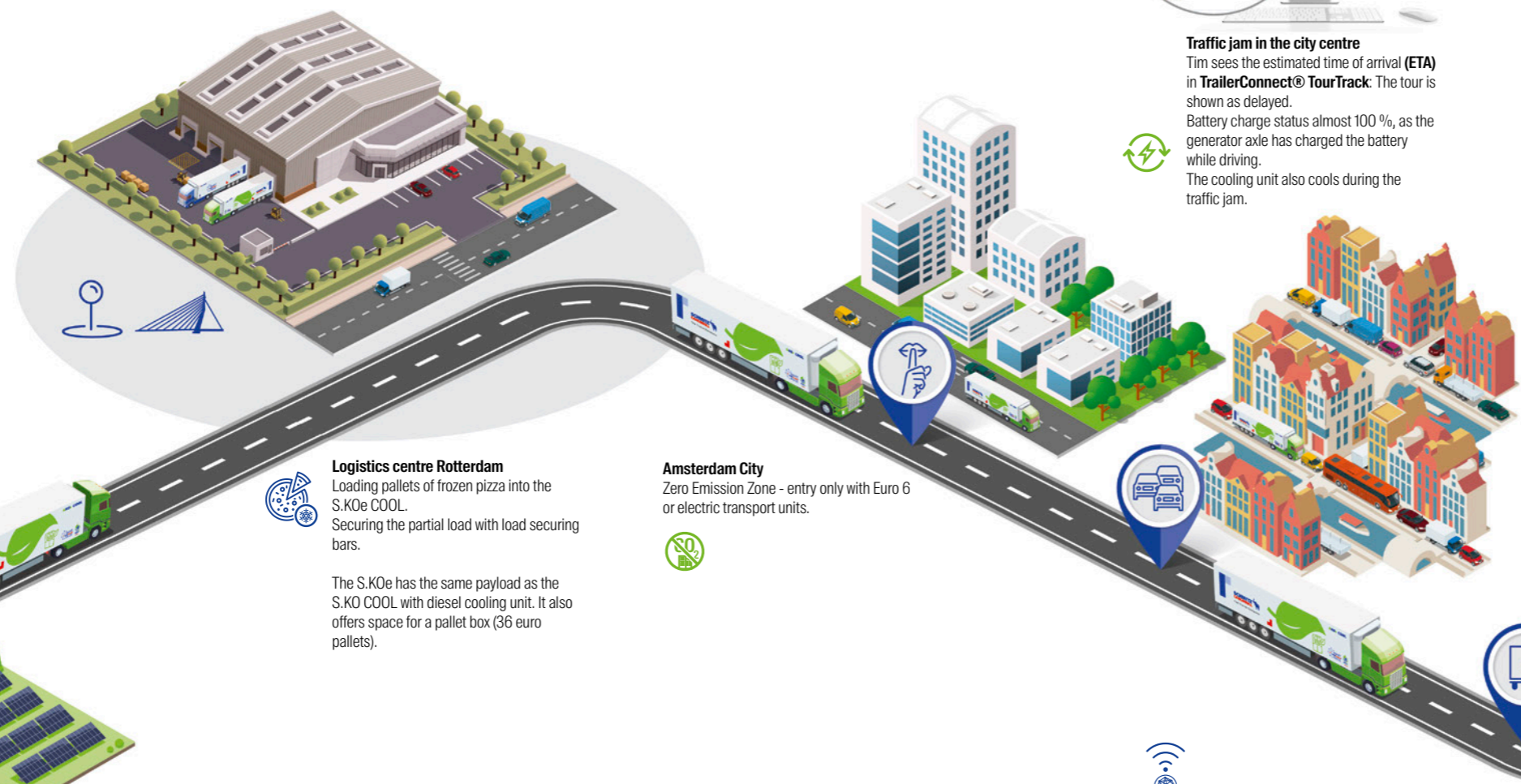
Traffic jam in the city centre
 Tim sees the estimated time of arrival (ETA) in **TrailerConnect® TourTrack**: The tour is shown as delayed.
 Battery charge status almost 100 %, as the generator axle has charged the battery while driving.
 The cooling unit also cools during the traffic jam.



Warehouse Amsterdam
 Sebi logs in at the ramp.
 Sebi conveniently creates the digital temperature report on his mobile phone via the **beSmart app** and sends it to Cool&Fresh logistics.

Mr Snel from Cool&Fresh can see in the **RTV platform** that the job has been successfully completed.
 - When leaving the **geofence zone**, the **TrailerConnect® Data Management Center** terminates the secure data transmission to the customer's **RTV platform**.

- The rear doors are opened at the assigned unloading station.
- Door contact switch automatically turns off the cooling unit and saves energy.
 - Sebi charges the battery at the CEE socket.
 - He puts empty pallets into the spacious pallet box.



Logistics centre Rotterdam
 Loading pallets of frozen pizza into the S.KOe COOL.
 Securing the partial load with load securing bars.
 The S.KOe has the same payload as the S.KO COOL with diesel cooling unit. It also offers space for a pallet box (36 euro pallets).

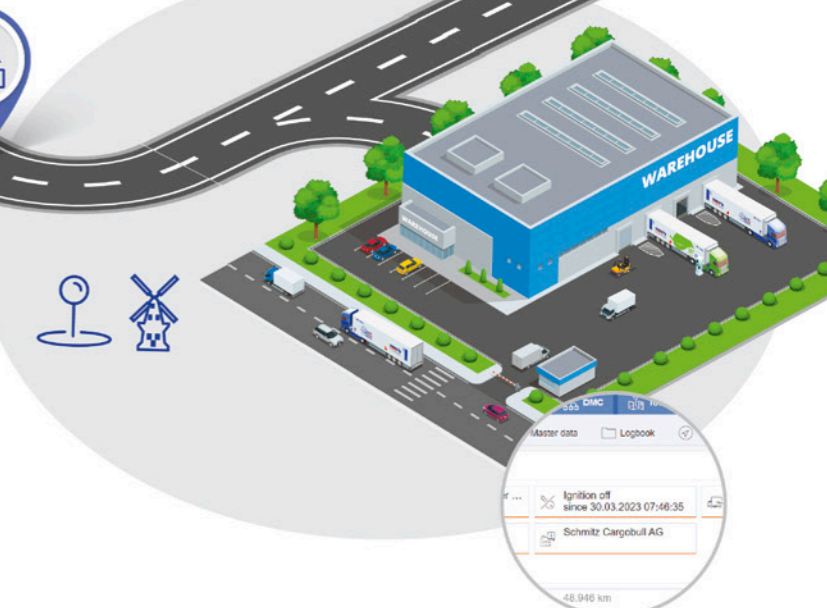
Amsterdam City
 Zero Emission Zone - entry only with Euro 6 or electric transport units.

- Three modes for the generator e-axle**
 For intelligent battery recharging:
- **ECO mode** for maximum energy and cost efficiency
 - **STANDARD mode** for cost-efficient protection against product spoilage
 - **SAFE mode** for maximum protection against product spoilage

100 % performance, 0 emissions
You save
 - up to 100 %* fuel and CO₂*
 - up to 5% less fuel and CO₂ for the entire train** with full payload and pallet box for 36 pallets

* electric semitrailer box
 ** with diesel-powered semi-trailer tractor

Sebi reaches the predefined **geofence**.
 Dispatcher Frank receives a message in the TrailerConnect® portal and the doors are unlocked.



Monday, CoolUnterwegs
 Driver Sebi checks his fully electric reefer S.KOe COOL:
 - Trailer battery still charging at the carrier's CEE socket*.
 - Starting the cooling unit S.CU ep85
 - Departure to Rotterdam

* As far as possible, the carrier uses electricity from his own photovoltaic solar system for this purpose.

