Linde Material Handling



connect:desk

The fleet management software







Dashboard overview

Assignment of drivers to organisation groups

Simple analysis using clear statistics

The connect: software provides you with clearly arranged access to all of your fleet data. It is used to administer truck and driver data and enables the simple compilation of reports, which you can view on screen, easily print out or have automatically sent as an email report.

From the administration of trucks and drivers to **fleet deployment planning**, **monitoring**, truck data **analysis** and **maintenance planning** — connect:desk lies at the heart of fleet management. Using connect:desk to optimise logistical processes contributes to **increased safety** in the warehouse. This can reduce costs and increase efficiency.

The software is intuitive to use — it is suitable for both **experienced fleet managers** and **occasional users** who require only individual features.



Login screen

Regular password changes

The hardware and software components of Linde connect are constantly being developed and adapted to conform to the latest **security standards**.

Protecting your data is paramount. Protect your data via minimum password requirements that you define yourself. Decide whether passwords must be changed at regular intervals and get optimal protection that's right for your company. Minimum password requirements

01 DASHBOARD

The communications control centre





Dashboard overview

Detail view of widgets

KPIs and quick links

The dashboard serves as the **communications control centre** of connect:desk.

It is modular, adaptable, always up to date and intuitive.

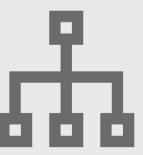
Individually customisable **widgets**, such as calendar, truck messages, system messages, maintenance appointments, and access rights and licences enable you to monitor and control the entire fleet. The software can also forward all messages to you directly by email.

Tooltips provide further details about the selected message. Activities such as a truck's duration of use or the number of shocks over a given time period are displayed as clear **KPIs**.

Quick links provide a quick, flexible way to access important features.

02 ORGANISATION

Overview of organisation structure in fleet management



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Overview of the organisation

Hierarchical list display

Organisation, structuring, quick rights management

The organisation area allows you to edit the **drivers**, **place of use**, **assigned trucks** and other information.

The hierarchical list display provides a clear representation of the organisation structure and simplifies the **assignment** and **administration** of access rights and rules of use for drivers and trucks.

03 ADMINISTRATION

Management of driving licences, training courses, health checks



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Creation, maintenance, editing for experts and beginners

Tables, detail views and task-appropriate input elements provide a **flexible way to view**, **maintain** and **supplement** large data volumes.

04 REPORTS AND ANALYSES

Fleet data and evaluations





Analysis, evaluation, monitoring

Based on comprehensive fleet data, the connect:desk software can provide almost 30 interactive reports on the fleet, individual areas, trucks or drivers. The data is displayed in clearly arranged diagrams and tables. Fleet managers therefore know exactly which truck was used when, by whom and how. Reports are available in four categories:

Logbook: Provides a list of all recorded events for individual trucks

Usage: Overview of usage and utilisation of all trucks

Coordination: Overview of driver data, truck inventory and truck distribution

Service: Clearly arranged overview of service and maintenance appointments for all trucks

04 Reports and analyses 04.01 LOGBOOK

List of all recorded events for individual trucks



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Occupancy journal

The occupancy journal displays which truck was used when. It records the driver's login and logout times for each truck. Special events or accidents can always be clearly identified.

Speed reduction

Speed reductions are displayed after shocks and can be grouped by driver or truck.

Hybrid logbook

The table displays all of the recorded events for an individual truck.

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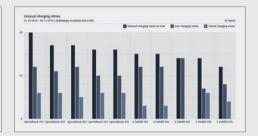
Pre-Op-Check

The table displays all performed Pre-Op-Checks for the selected trucks. The analysis area lists all of the questions and the driver's answers. Captured images can also be viewed directly

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Simultaneous logins

The table displays drivers with logins on several trucks simultaneously.



Unusual charging states

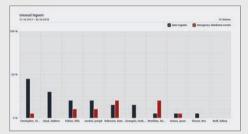
The interactive diagram displays unusual charging states and can be grouped by drivers or trucks.

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Unusual logouts

The interactive diagram displays unusual logouts and can be grouped by drivers or trucks.

Driver activity

The interactive diagram displays the activity of the selected drivers and combines recorded data from different reports.

Ledger

The report displays the ledgers for the selected trucks, i.e. all costs that were logged against a truck during a selected time period.

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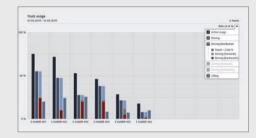
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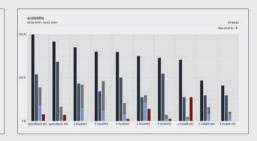
04 Reports and analyses **04.02 USAGE**

Overview of usage and utilisation of all trucks









Truck usage

This screen provides detailed information about how a truck is used: How long is a driver logged in? How is this time divided into driving and lifting? The interactive diagram displays which tasks the drivers used the selected trucks for.

Utilisation

This report helps you optimise your truck fleet. You can see how long trucks are used or whether they are not actually used at all. You can evaluate data for the entire fleet or for individual trucks.

Availability

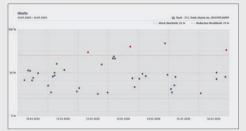
The interactive diagram displays whether the selected trucks are in use, switched off or undergoing maintenance.

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Shocks

Shock values help you understand when a driver caused a shock on the truck (for example, due to a collision or pothole). This increases the driver's sense of responsibility. The interactive diagram can be grouped by drivers or by trucks.

Operating hours forecast

The interactive diagram displays the operating hours calculated for the selected trucks. A forecast is calculated based on a specified period of time. This allows the efficient planning of maintenance appointments and examinations for the fleet.

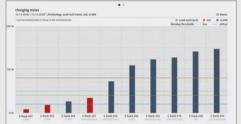
Operating hours

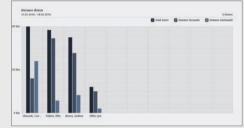
The table displays the operating hours for the trucks selected.

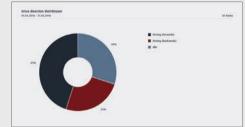
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Charging states

The report displays the recorded charging state over one day, one week, one month or one quarter. Heavily used batteries are highlighted in colour.

Distance driven

The interactive diagram displays the total distance driven per drive direction for the selected drivers or trucks.

Drive direction distribution

The interactive diagram displays the drive direction distribution of the selected drivers or trucks.

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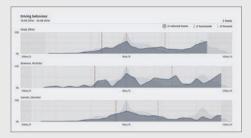


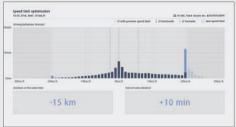
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Driving behaviour

The interactive diagram displays how long the driver or truck has travelled and at what speed.

Speed limit optimisation

The interactive diagram displays how the speed limit of an individual truck can be optimised.

Zone traffic

The interactive report displays zones with a particularly high or low number of transits. The plan display ensures that zones can be identified and located with ease.

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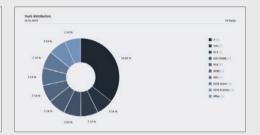


04 Reports and analyses 04.03 COORDINATION

Overview of driver data, truck inventory and truck distribution

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Driving permissions

The table displays the driving permissions at the date of issue and can be grouped by drivers or trucks.

Truck inventory

The table displays all trucks with the most important properties.

Truck distribution

Get a clear overview of your fleet's composition — arranged by manufacturer, truck type and other criteria.

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Available with: connect:ac





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Driver training

The table displays performed and pending driver training.

Driver examination

The table displays performed and pending driver examinations.

Driving licences

The report displays which driving licences will expire in the selected time period.

Available with: connect:ac

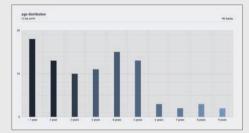


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The table displays all drivers with all properties.

Age distribution

The interactive diagram displays the distribution of trucks by age, based on the date of commissioning.

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Speed overview

The table displays the speeds at which the selected drivers or trucks travelled and in which drive direction.

Available with: connect:ac



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The table displays an overview of existing zone installations and their parameters, as well as the plan used, the number of zones and markers and the maximum speeds.

Zone transits

The interactive diagram displays the distribution of zone transits for a driver or truck.

Truck costs

Truck cests: Maintenance costs > Violence damage

hand in sta

The table displays all truck costs incurred during the selected time period. The displayed cost category and class can be freely selected in the settings.

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Available with: connect:ac, connect:zi

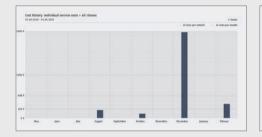
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Available with: connect:ac, connect:zi

B 2











Cost history

The bars on the diagram show the cumulative costs for the selected cost category and class over the set time period. In addition, the average cost per truck and the selected time period are displayed.

Cost distribution

The interactive diagram displays the distribution of truck costs among individual cost categories and classes.

Cost forecast

The interactive diagram displays the calculated cost history for the selected trucks. A cost forecast is calculated based on a time period selected by the user. This allows future expenses to be planned efficiently.



Available with: connect:cm



Available with: connect:cm



04 Reports and analyses **04.04 SERVICE**

Service and maintenance appointments for all trucks at a glance



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Maintenance report

See an overview of all pending maintenance and service appointments for the trucks in your fleet. This makes scheduling much easier. It also allows you to combine maintenance appointments and thus reduce your costs.



05 SETTINGS

Administration, configuration and data management



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Administration, configuration, data management

A comprehensive configuration level enables you to adapt the system to your individual needs and structures: the prerequisite for an intelligent, self-learning system. Setting options for administering authorisations, access and checklists help **increase security** and ensure **data protection**. You can easily define and edit shift models, training models and driving licence models. The system can be completely **adapted** to your company's own IT infrastructure, enabling all sensitive data to be managed in-house.

06 FUNCTION MODULES

Adapt connect:desk to your individual needs via modular solutions

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Modularise, design, personalise

connect:desk offers **modular solutions** for creating a bespoke system that meets your **individual needs**. These solutions enable the entire functional scope of connect:desk to be modified to your specific requirements. The modular approach **increases** the **efficiency** and **effectiveness** of the user interface. Features such as Zone Intelligence, the Pre-Op-Check (status check) and damage monitoring are enabled via the function modules.

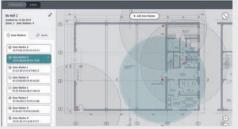
06 Function modules 06.01 ZONE INTELLIGENCE

Automated speed adjustment in defined areas



Overview of the different zones





Easy editing

Zone Markers

Zone Intelligence

Planning and configuration of zone areas and hall thoroughfares based on your own hall or plant plans. Targeted control of truck speed at intersections or bottlenecks helps increase safety. Use the "Zone traffic" interactive report to determine which of your zones has the highest shock density and apply targeted speed limitations to counteract this.

06 Function modules 06.02 PRE-OP-CHECK

Simple, quick and secure access check



Configure checklists

× E 50 ⊕ EN Is there any damage to the vehicle?





Document the results

Pre-Op-Check (access check)

The electronic truck check ensures that the truck can only be started when the check has been carried out and the truck is ready for use. With connect:ac pre-operational check, **you increase the safety on your premises** and are constantly informed about the current status of your trucks. Benefit from a high degree of flexibility via freely definable questions,

which are defined by the fleet manager in the configurator. Damage or abnormalities on the truck can be documented via photographs.

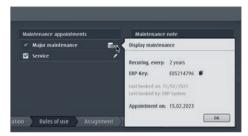
06 Function modules 06.03 ERP CONNECTION

Additional synergy effects through centralised data entry and maintenance



Messages about added/deleted drivers and trucks

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Transparent data origin

Book maintenance directly using the ERP system

ERP connection

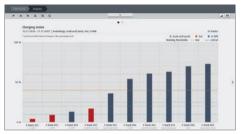
Through the new ERP integration feature, connect:desk provides an interface to existing ERP systems. This allows information from the management software to be transferred into the application. Reduce time pressure by managing drivers, trucks and classes in the ERP system. You can also benefit from the synergy effects of centralised data entry and maintenance. As you would expect, all of the benefits and functions of connect:desk are still available.

06 Function modules 06.04 BATTERY DATA DISPLAY

React early to signs of ageing and incorrect charging



Messages about critical and low charging states



Evaluation of charging states

Maintenance of battery data

22

Battery data display

The choice of energy system has gained in significance as an important tool for finetuning intralogistics. Each field of application has its own individual requirements. These include aspects such as the space required for refuelling or recharging, energy costs and environmental sustainability.

The function module records the battery data for the truck fleet. Recording this data helps you to respond to signs of ageing or incorrect charging at an early stage. By clearly assigning unusual charging states, you can provide targeted driver training in how to charge the batteries correctly and therefore increase their service life

06 Function modules 06.05 COST MONITORING

Reduce costs and conserve capital



Central cost overview

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Truck-specific ledger

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Evaluation of costs

Cost Monitoring

With the new Cost Monitoring feature, you can **reduce costs** and **conserve your capital** in future. Keep track of costs for each truck. Optimise your expenditure by identifying specific trucks that are costing too much or that are not profitable. Is the lease contract for a truck due to expire? No problem! connect:desk warns you in good time via a message in the dashboard and by email. Individual **expenses** such as violence damages or maintenance costs can be individually **analysed** or freely **compared with each other**.





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connect:desk product brochure, version 02_2021