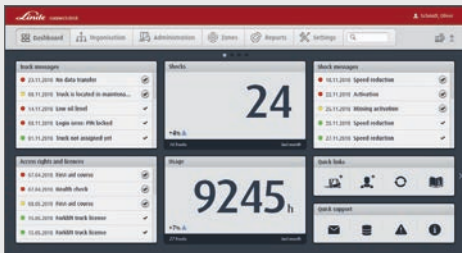


# connect:desk

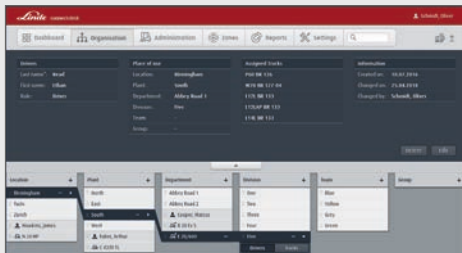
The fleet management software

Linde Material Handling

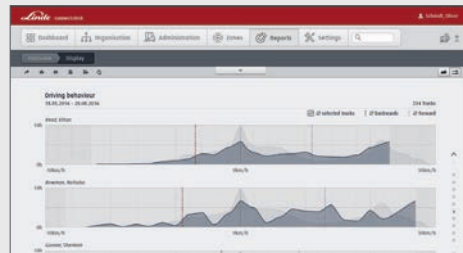
*Linde*



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.

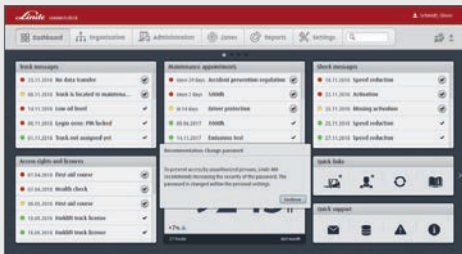
From the administration of trucks and drivers to **fleet deployment planning, monitoring, truck data analysis and maintenance planning** — connect:desk lies at the heart of fleet management.

Using connect:desk to optimise logistical processes contributes to **increased safety** in the warehouse. This can reduce costs and increase efficiency.

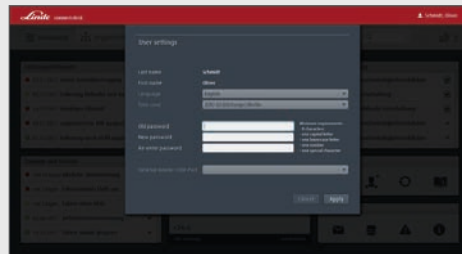
The software is intuitive to use — it is suitable for both **experienced fleet managers** and **occasional users** who require only individual features.



Login screen



Regular password changes



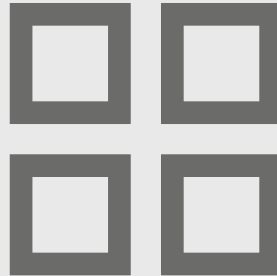
Minimum password requirements

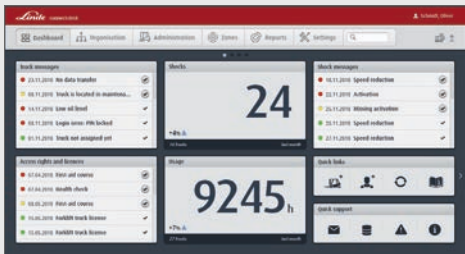
The hardware and software components of Linde connect are constantly being developed and adapted to conform to the latest **security standards**.

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**.

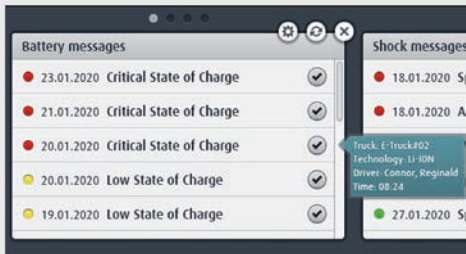
# 01 DASHBOARD

The communications control centre

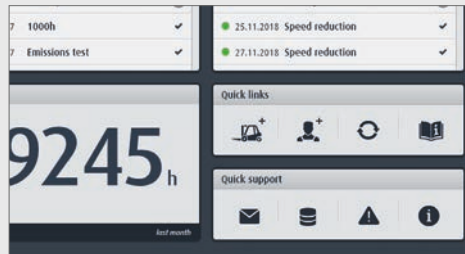




Dashboard overview



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**.

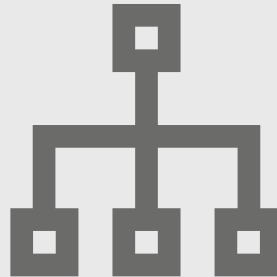
Individually customisable **widgets**, such as calendar, truck messages, system messages, maintenance appointments, and access rights and licences enable you to monitor and control the entire fleet. The software can also forward all messages to you directly by email.

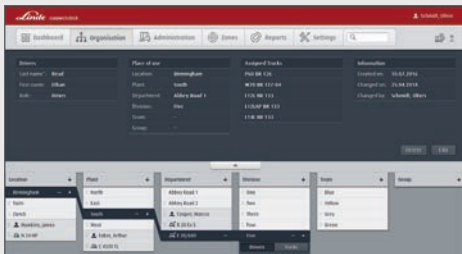
**Tooltips** provide further details about the selected message. Activities such as a truck's duration of use or the number of shocks over a given time period are displayed as clear **KPIs**.

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

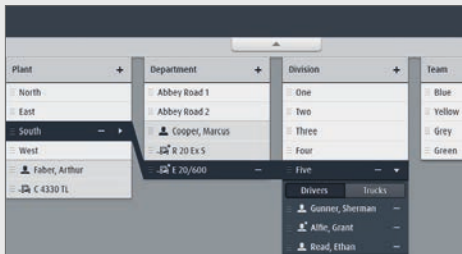
# 02 ORGANISATION

Overview of organisation structure  
in fleet management





Overview of the organisation



Hierarchical list display

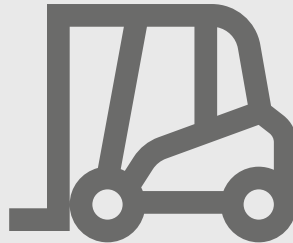
## Organisation, structuring, quick rights management

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





The screenshot shows the Linnworks 'Users' management interface. At the top, there are navigation tabs: Dashboard, Organization, Administration, Users, Reports, Settings, and a search bar. The 'Users' tab is active. Below the tabs, there are filters for 'Status' and 'Role'. The main content area displays a table of users with the following columns: Last name, First name, Role, Status, PIN, PIN status, PIN date, PIN status, Valid until, Per day check, and Speed test status. The table lists several users, including Robert, Emily, Michael, and others, with their respective roles and status information.

The screenshot shows the Loris 3.0.0.0 web application interface. The top navigation bar includes 'Dashboard', 'Vergelijking', 'Administratie', 'Functies', 'Rapporten', 'Instellingen', and a search icon. The main content area is divided into sections: 'Track' with input fields for 'Tracknummer' (420100000400), 'Track status' (GEWISS-000147), 'Manufacturer' (Gade), 'Track type' (L100-100), 'Series' (L110), and 'Driving history' (Fastest connection); 'General information' with fields for 'Electric region' (EU), 'No. of tracks' (100), 'Track capacity' (5.4), 'Track type' (L100-100), 'Speed limit' (2.0), and 'Speed limit status' (ignore); and 'Place of use' with a dropdown menu set to 'Binnengedrukt'. On the right, there is a 3D model of a red and black Loris device. Below these sections is a table with columns: 'Vergelijking', 'Track status', 'Drive type', 'Technology', 'Load capacity', 'Speed', 'Speed limit status', 'Speed limit', and 'Speed limit (status)'. The table contains four rows of data for different track configurations.

## 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



Occupancy journal  
01.01.2017 - 31.02.2017

5 Drivers

Date	Driver	Truck	Truck chassis no.	Pre-Op-check	Logged in	Logged out	Incident
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck defect/break	08:11:02	11:03:47	03:44:45
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck defect/break	11:03:47	15:02:54	01:02:36
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck in good order	15:03:15	15:19:52	00:05:17
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck in good order	15:19:52	16:16:42	01:41:29
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck in good order	17:05:23	18:05:29	01:05:06
25.03.2017	Bodden, Jürgen	Truck-122	A2489962179	Truck in good order	17:05:40	17:30:42	00:15:02
22.12.2017	Störmer, Janine	Truck-401	B23270734009	Truck not in order	-	-	-
22.12.2017	Störmer, Janine	Truck-401	B23270734009	Truck not in order	02:15:14	02:45:54	00:30:40
22.12.2017	Störmer, Janine	Truck-401	B23270734009	Truck in order	12:51:04	16:17:44	03:31:00
22.12.2017	Palmer, Oliver	Truck-401	C40881247900	Truck in good order	06:23:01	07:23:17	01:00:16
22.12.2017	Palmer, Oliver	Truck-401	C40881247900	Truck in good order	07:46:36	12:14:12	04:27:32
19.12.2017	Palmer, Oliver	Truck-401	C40881247900	Truck in good order	12:24:08	19:22:02	06:57:52
09.12.2017	Palmer, Oliver	Truck-401	C40881247900	Truck in good order	14:00:02	16:00:15	02:00:13

## 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.

Available with:  
connect:ac



## Speed reduction

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

Available with:  
connect:ac, connect:dt



Speed reduction  
01.01.2017 - 30.12.2017

20 Trucks

Truck	Truck chassis no.	Driver	Intensity [%]	Date	Time	Reduced by	Date	Time
1 MultiTagto401	A2489962179	Störmer, Janine	21	25.11.2016	16:21:52	Schmidt, Oliver	25.11.2016	09:20:02
2 MultiTagto401	A2489962179	Störmer, Janine	22	25.11.2016	16:23:29	Schmidt, Oliver	25.11.2016	12:15:29
3 MultiTagto401	A2489962179	Störmer, Janine	43	16.11.2016	10:26:31	Schmidt, Oliver	16.11.2016	16:15:31
4 MultiTagto401	A2489962179	Störmer, Janine	21	16.11.2016	12:29:13	Schmidt, Oliver	16.11.2016	12:29:13
5 MultiTagto401	A2489962179	Störmer, Janine	01	11.11.2016	15:41:49	Schmidt, Oliver	11.11.2016	16:44:49
6 MultiTagto401	B23270734009	Palmer, Oliver	26	26.11.2016	19:05:04	Schmidt, Oliver	26.11.2016	19:32:04
7 MultiTagto401	B23270734009	Palmer, Oliver	31	22.11.2016	16:14:02	Schmidt, Oliver	22.11.2016	16:14:02
8 MultiTagto401	B23270734009	Palmer, Oliver	25	21.11.2016	15:14:13	Störmer, Janine	21.11.2016	12:34:13
9 MultiTagto401	C40881247900	Bodden, Janine	21	21.11.2016	22:01:09	Störmer, Janine	21.11.2016	12:51:09
10 MultiTagto401	C40881247900	Bodden, Janine	09	21.11.2016	22:08:12	Störmer, Janine	21.11.2016	22:08:12
11 MultiTagto401	C40881247900	Bodden, Janine	26	21.11.2016	16:42:42	Störmer, Janine	21.11.2016	22:42:43
12 MultiTagto401	C40881247900	Bodden, Janine	29	21.11.2016	16:10:19	Störmer, Janine	21.11.2016	12:10:19

Hybrid logbook  
01.01.2017 - 31.02.2017

Truck - 122, Truck chassis no. A2489962179

Date	Time	Driver	Engine/Logout	Event	Value
25.03.2017	07:02	Bodden, Jürgen	-	Pre-Op Check Start	-
25.03.2017	07:36	Bodden, Jürgen	-	Pre-Op Check End	Truck in order
25.03.2017	07:36	Bodden, Jürgen	Logout	-	-
25.03.2017	07:36	Bodden, Jürgen	-	Battery State of Charge	50%
25.03.2017	07:36	Bodden, Jürgen	-	Operating hours	6210h
25.03.2017	08:23	Bodden, Jürgen	Logout	-	MultiTagged
25.03.2017	09:01	Loth, Johannes	-	Pre-Op Check Start	-
25.03.2017	09:01	Loth, Johannes	-	Pre-Op Check End	Truck not in order
26.04.2017	10:45	Nett, Jörg	-	Pre-Op Check Start	-
26.04.2017	10:45	Nett, Jörg	-	Pre-Op Check End	Truck defective
26.04.2017	10:45	Nett, Jörg	Logout	-	-
26.04.2017	10:45	Nett, Jörg	-	Battery State of Charge	45%
26.04.2017	10:45	Nett, Jörg	-	Operating hours	6210h

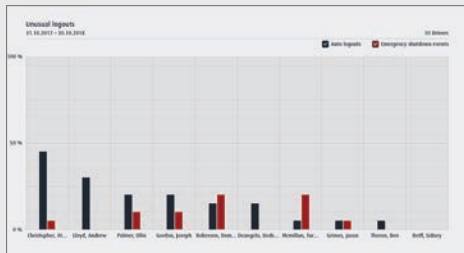
## Hybrid logbook

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

Available with:  
connect:ac, connect:dt (additional)

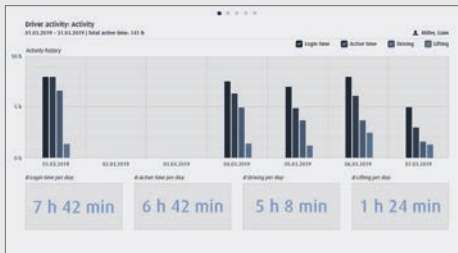






## Unusual logouts

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**  
01.01.2021 - 31.03.2021 | Total costs: 15,630,45 €, Cost per operating hour: 4,05 €

Category Truck Description Amount Interval From To Document Status

Acquisition costs	Purchase	Purchase contract 136	15,000,00 €	Annual	31.03.2021	31.03.2021	1 Attachment	Open
Service costs	Maintenance	Main Maintenance	140,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Service costs	Maintenance	Start maintenance	140,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Service costs	Repairs	Wheels costs	75,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Service costs	Maintenance damage	Race hole	34,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Individual service costs	Tires	Front wheel	40,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Individual service costs	Repairs	Jackbolt	35,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open
Individual service costs	Cleaning	Extreme cleaning	31,00 €	Annual	15.04.2021	15.04.2021	1 Attachment	Open

## 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.

Available with:  
connect:ac



Available with:  
connect:ac



Available with:  
connect:cm



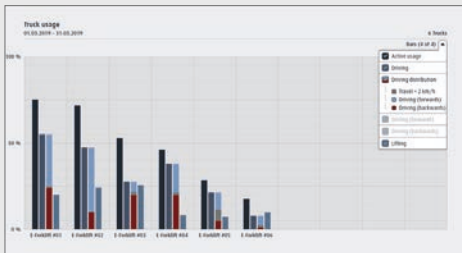
04 Reports and analyses

## 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.

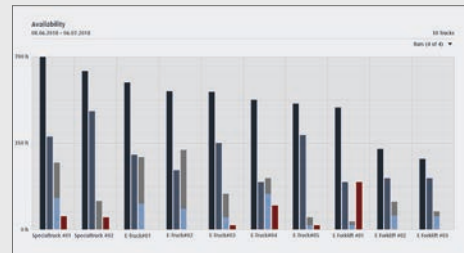
Available with:  
connect:ac, connect:an



## 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.

Available with:  
connect:ac

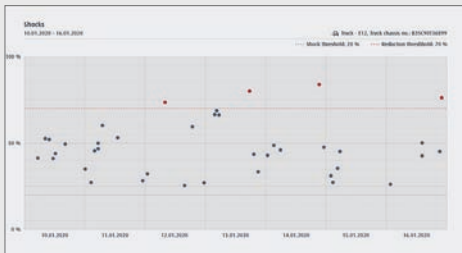


## Availability

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

Available with:  
connect:ac

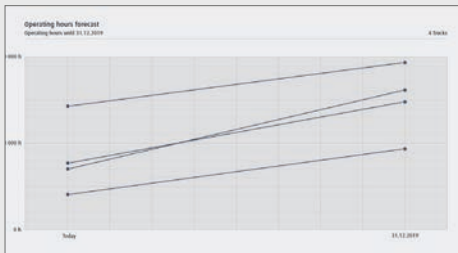




## Shocks

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.

Available with:  
connect:ac, connect:dt



## 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.

Available with:  
connect:ac



**Operating hours**  
10.01.2019 - 16.01.2019

20 Trucks

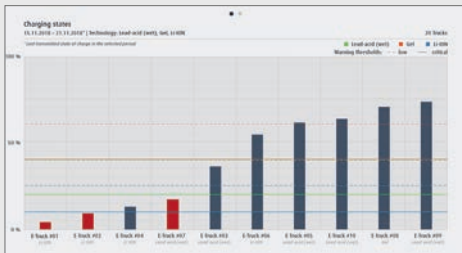
Truck	Truck chassis no.	City	Plant	Division	State	Time	Operating hours
Truck 400	A21000000000	Madrid	Plant A	Division 1	07.01.2019	23:09	1760
Truck 401	A21000000000	Madrid	Plant A	Division 1	08.01.2019	16:09	1711
Truck 402	A21000000000	Madrid	Plant A	Division 1	09.01.2019	23:09	1600
Truck 403	A21000000000	Paris	Plant 1	Division 5	11.01.2019	00:00	1560
Truck 404	A21000000000	Paris	Plant 1	Division 5	12.01.2019	23:09	1400
Truck 405	A21000000000	Paris	Plant 1	Division 5	13.01.2019	12:00	1310
Truck 406	A21000000000	Paris	Plant 1	Division 5	14.01.2019	18:00	1200
Truck 407	A21000000000	Paris	Plant 2	Division 7	15.01.2019	00:00	1100
Truck 408	A21000000000	Paris	Plant 2	Division 7	16.01.2019	23:09	1000
Truck 409	A21000000000	Madrid	Plant A	Division 2	07.01.2019	23:09	900
Truck 410	A21000000000	Madrid	Plant A	Division 2	08.01.2019	00:00	800
Truck 411	A21000000000	Paris	Plant 2	Division 7	17.01.2019	18:00	700
Truck 412	A21000000000	Paris	Plant 2	Division 7	18.01.2019	23:09	600
Truck 413	A21000000000	Paris	Plant 2	Division 7	19.01.2019	00:00	500
Truck 414	A21000000000	Paris	Plant 2	Division 7	20.01.2019	23:09	400

## Operating hours

The table displays the operating hours for the trucks selected.

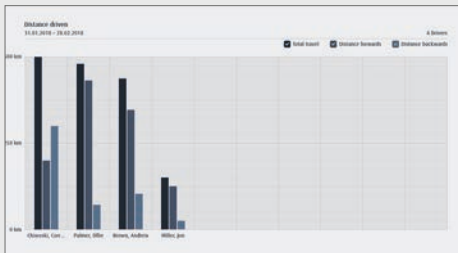
Available with:  
connect:ac





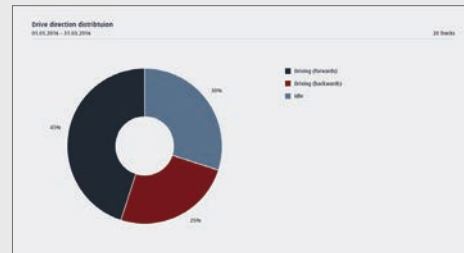
## Charging states

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.

Available with:  
connect:ac, connect:an

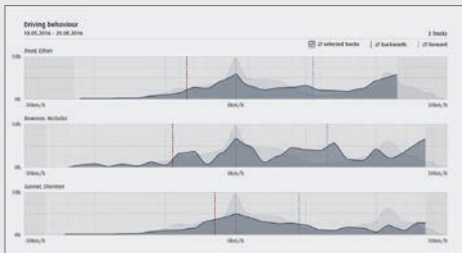


Available with:  
connect:ac, connect:an



Available with:  
connect:ac





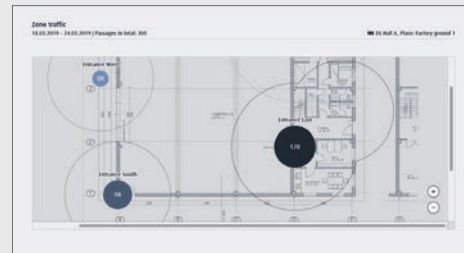
## Driving behaviour

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.

Available with:  
connect:ac, connect:an



Available with:  
connect:ac



Available with:  
connect:ac, connect:zi



04 Reports and analyses

## 04.03 COORDINATION

Overview of driver data, truck inventory  
and truck distribution



Driving permissions  
11.05.2019

8 Trucks

Truck	Truck chassis no.	Last name	First name	Number
1 Truck #12	AG48196A2L76	Go	Marion	1
1 Truck #13	AG48196A2L76	Reber	Marion	1
1 Truck #14	AG48196A2L76	Beck	Marion	1
1 Truck #15	AG48196A2L76	Wahlbr	Marion	1
1 Truck #16	AG48196A2L76	Wahlbr	Marion	1
Truck #17	C13C76736049	Reimer	Go	1
Truck #18	C13C76736049	Langley	Go	1
Truck #19	C13C76736049	Wider	Go	1
Truck #20	C13C76736049	Wider	Marion	1
Truck #21	C13C76736049	Wider	Marion	1

## Driving permissions

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

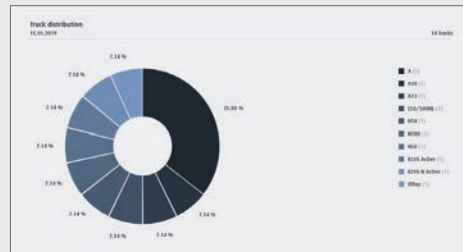
Truck inventory  
17.06.2019

14 Trucks

Truck	Truck chassis no.	Manufacturer	Truck type	Series	Drive type	Technology	Load capacity	Speed
1/18 - 00000	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00001	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00002	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00003	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00004	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00005	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00006	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00007	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00008	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00009	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00010	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00011	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00012	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00013	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h
1/18 - 00014	4041404000000	Scania	Truck	140	Electric engine	Li-ion	14	12 km/h

## 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.

Available with:  
connect:ac



Available with:  
connect:ac



Available with:  
connect:ac



Driver training  
01.10.2018 - 31.12.2018 17 Drivers

Name	First name	Inspection	Status	Appointment info / Due on	Done at	Booked by	Cycle
Callahan	George	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Cox	Sam	Safety check	Done	01.12.2018	06.11.2018	Schmidt, Oliver	Annually
Crowford	Jim	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Cuskey	Brad	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Cox	McLaren	Safety check	Done	01.12.2018	06.11.2018	Schmidt, Oliver	Annually
Glenn	William	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Jones	Rowden	First aid	Pending	01.11.2018	-	Schmidt, Oliver	Monthly
Johnson	Karen	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Kelly	Wendy	First aid	Pending	01.12.2018	-	Schmidt, Oliver	Monthly
McLaughlin	Richard	First aid	Pending	01.12.2018	-	Schmidt, Oliver	Monthly
Rees	Willy	Safety check	Pending	01.11.2019	-	Fabian, Arno	Annually
Schaefer	Wol	First aid	Pending	01.12.2018	-	Schmidt, Oliver	Monthly
Sanders	Earlton	Safety check	Pending	01.12.2018	-	Schmidt, Oliver	Annually

## Driver training

The table displays performed and pending driver training.

Driver examination  
01.10.2018 - 31.12.2018 10 Drivers

Name	First name	Inspection	Status	Appointment info / Due on	Done at	Booked by	Cycle
Altman	Oliver	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Bell	Erica	Physical inspection	Done	01.12.2018	06.11.2018	Schmidt, Oliver	Annually
Blackburn	Sam	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Buck	Phil	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Brown	McLaren	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Bunker	Sam	Physical inspection	Done	01.12.2018	06.11.2018	Schmidt, Oliver	Annually
McLaren	Rowden	Physical inspection	Pending	01.11.2018	-	Schmidt, Oliver	Annually
Reidman	Wendy	Health inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Harmon	Eric	Health inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
McLaren	Clara	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
McLaughlin	Jeremy	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Lytle	Ross	Health inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually
Davis	Emily	Physical inspection	Pending	01.12.2018	-	Schmidt, Oliver	Annually

## Driver examination

The table displays performed and pending driver examinations.

Driving licences  
01.10.2018 - 31.12.2018 6 Drivers

Name	First name	Driving licence	Valid from	Valid until
Brownson	George	FullDR certificate	01.11.2018	-
James	Taylor	FullDR certificate	01.11.2018	06.11.2022
Miller	Brian	FullDR certificate	01.10.2018	-
Salazar	James	FullDR certificate	01.10.2018	-
Sawyer	Carla	FullDR certificate	01.10.2018	06.11.2022
Wise	William	FullDR certificate	01.10.2018	-

## Driving licences

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

Available with:  
connect:ac



Available with:  
connect:ac



Available with:  
connect:ac

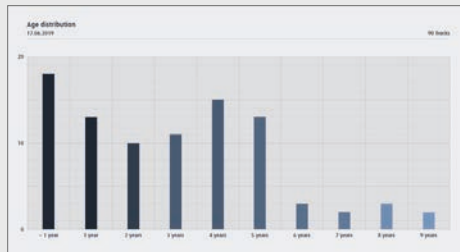


Driver overview  
17.06.2019 30 Drivers

Last name	First name	Role	Driver	PMH	PMH-Status	valid until	BMH	BMH-Status	id
Altmeppen	Oliver	Driver	unselected	01079	active	31.12.2019	--	inactive	--
Barnes	Patrick	Driver	unselected	01078	active	31.12.2019	--	inactive	--
Becker	Oliver	Driver	unselected	22061	active	31.12.2019	--	inactive	--
Call	Gregory	Driver	unselected	--	inactive	--	--	inactive	--
Clark	Alan	Service technician	unselected	00010	active	31.12.2019	0014003013	active	31.11
Alkosen	Sebastian	Driver	unselected	63113	active	31.12.2019	1400430079	active	31.11
Anders	PMH	Driver	selected	62706	active	31.12.2019	0107010000	active	31.11
Beckhardt	Francis	Dark tank	unselected	01415	active	31.12.2019	1004004123	active	31.11

## Driver overview

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.

Speed overview  
01.10.2018 - 31.12.2018 50 Drivers

Name	First Name	Forward max.	Forward B.	Reverse max.	Reverse B.	Speed limit
Allen	William	11 km/h	11 km/h	7 km/h	5 km/h	80 %
Anthony	Patrick	21 km/h	16 km/h	10 km/h	4 km/h	70 %
Campbell	Galley	11 km/h	12 km/h	6 km/h	5 km/h	--
Car	Caroline	14 km/h	17 km/h	9 km/h	6 km/h	--
Good	Arthur	11 km/h	10 km/h	10 km/h	4 km/h	--
Hall	Sebastian	16 km/h	14 km/h	7 km/h	7 km/h	--
Woodcock	Oliver	8 km/h	7 km/h	5 km/h	6 km/h	--
Wright	Kevin	20 km/h	17 km/h	12 km/h	9 km/h	--
Wynn	Wendy	11 km/h	9 km/h	8 km/h	4 km/h	--
Hall	Frank	14 km/h	10 km/h	9 km/h	5 km/h	90 %
Wynn	Wendy	10 km/h	16 km/h	6 km/h	9 km/h	90 %
Wynn	Joseph	17 km/h	12 km/h	10 km/h	4 km/h	10 %
Wynn	Hall	19 km/h	9 km/h	12 km/h	8 km/h	--

## Speed overview

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

Available with:  
connect:ac



Available with:  
connect:ac



Available with:  
connect:ac, connect:an





Zone overview  
26.03.2019 3 Plans

Plan	Place	Created on	Changed on	Zone	Maximum speed	Zone Marker	Item Address	Value
00-Hall A	factory yard1	16.09.2017	07.06.2018	Entrance	7 km/h	Marker A	23.93.08.16.07.13.07.08	1,3 m
						Marker B	24.74.9C.08.08.08.63.67	1,3 m
						Marker C	25.95.79.9C.63.1C.07.08	1,3 m
						Marker D	26.99.0P.28.07.08.45.17	2,3 m
						Marker E	28.54.0P.07.08.1A.0A.09	2,3 m
				Goods	10 km/h	Marker F	29.09.0P.28.73.1C.0A.0A	1,3 m
						Marker G	30.54.7P.07.08.0C.0A.09	1,3 m
						Marker H	31.09.0P.0P.01.17.0A.01	1,3 m
						Marker I	32.57.18.0A.07.0C.0B.01	1,3 m
						Marker J	34.54.7B.7B.0A.07.07.01	1,3 m
00-Hall B	factory ground	16.09.2017	16.06.2018	Z. North	10 km/h	Marker K	35.18.18.0C.0P.07.17.0A	1,3 m
						Marker L	36.00.08.50.5A.0A.18.03	1,3 m
						Marker M	42.42.0B.0C.7B.19.0B.0B	2,3 m
00-Hall C	factory ground	16.09.2017	16.06.2018	Entrance	12 km/h	Marker N		

## Zone overview

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: Maintenance costs + Violence damage  
01.03.2019 - 31.03.2019 5 Trucks

Truck	Truck chassis no.	Total costs Sum	Maintenance costs Sum	Violence damage Sum
0 Truck001	000000001001	18.934,21 €	1.522,31 €	1.333,33 €
0 Truck005	000000000005	14.679,22 €	345,21 €	345,21 €
0 Truck004	000000000004	21.863,91 €	92,83 €	86,83 €
0 Truck003	000000000003	28.543,26 €	178,34 €	-
0 Truck002	000000000002	4.971,34 €	412,42 €	376,83 €

## Truck costs

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.

Available with:  
connect:ac, connect:zi

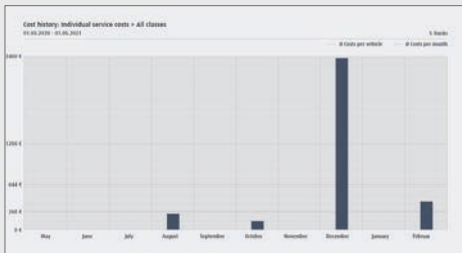


Available with:  
connect:ac, connect:zi



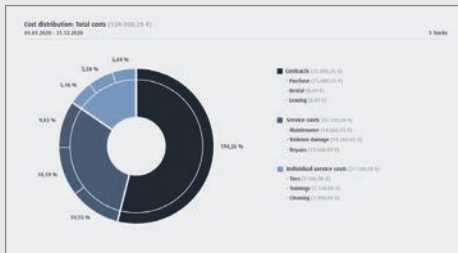
Available with:  
connect:cm





## 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**



Available with:  
**connect:cm**



04 Reports and analyses

## 04.04 SERVICE

Service and maintenance appointments  
for all trucks at a glance



Maintenance report  
30.06.2019 - 30.06.2019  
\*Operating hours (last collection: 23.01.2019, 12:15:00)

25 Trucks

Truck	Truck chassis no.	Maintenance	Status	Due at	Done at	Done at [h]	Done at [h]	Operate
Wardheuser 100	W411791AC200	Main maintenance, every 1 year	pending			7:04	-	7300
			done	01.04.2017		5:18	4340	
			done	01.04.2018		4:09	4310	
			done	01.04.2019		3:04	3395	
			done	01.04.2016		-	2960	
Wardheuser 100	W411791AC200	Safety inspection, every 1 year	pending	11.07.2019	-			7300
			done	11.07.2019	11.07.2019		7300	
			done	29.06.2018	12.07.2018		7111	
			done	-	29.06.2017		2960	
Wardheuser 100	W411791AC200	Main maintenance, every 1000 h	pending	-	-	2:00	-	1792
			done	01.04.2019	-	1:00		
Wardheuser 250	S29104E 1902	Main maintenance, every 1000 h	pending	-	-	7:02	-	7708
			done	11.11.2018		6:07	6413	
			done	01.04.2019		5:00	5807	
			done	01.04.2018		4:10	4800	
			done	06.12.2017	-	-	3770	

## 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.

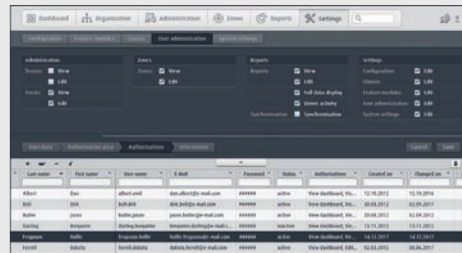
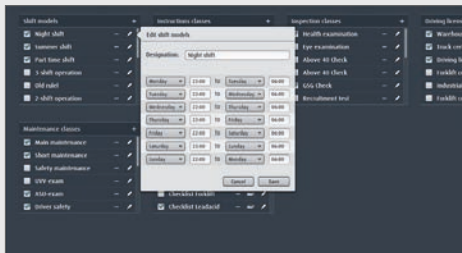
Available with:  
**connect:ac**



# 05 SETTINGS

Administration, configuration  
and data management





## Administration, configuration, data management

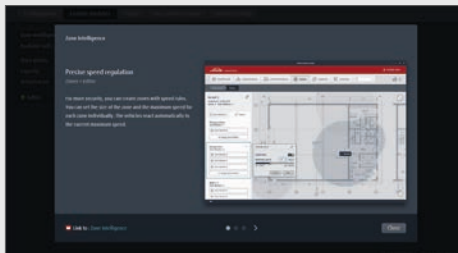
A **comprehensive configuration level** enables you to adapt the system to your **individual needs and structures**: the prerequisite for an intelligent, self-learning system.

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



## 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.



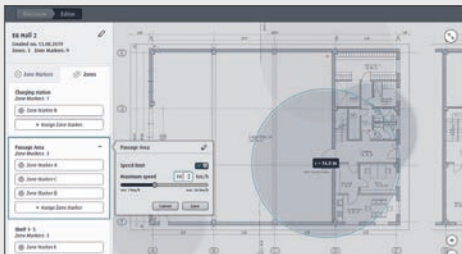
06 Function modules

# 06.01 ZONE INTELLIGENCE

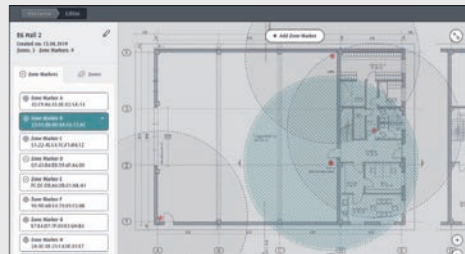
Automated speed adjustment  
in defined areas



Overview of the different zones



Easy editing



Zone Markers

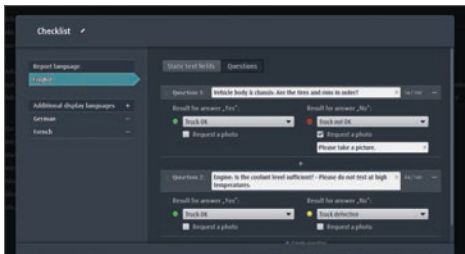
## Zone Intelligence

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.

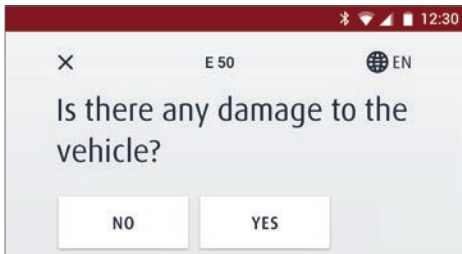
06 Function modules

# 06.02 PRE-OP-CHECK

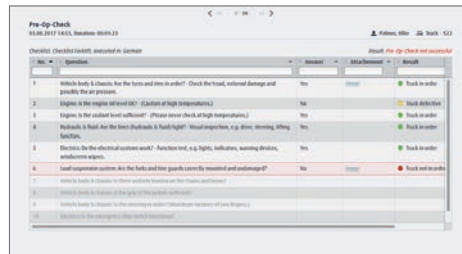
Simple, quick and secure access check



Configure checklists



Linde Pre-Op-Check smartphone app (Android)



Document the results

## Pre-Op-Check (access check)

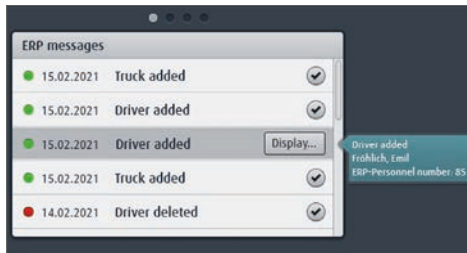
The electronic truck check ensures that the truck can only be started when the check has been carried out and the truck is ready for use. With connect:ac pre-operational check, **you increase the safety on your premises** and are constantly informed about the current status of your trucks. Benefit from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

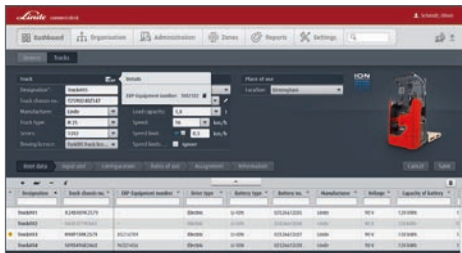
06 Function modules

# 06.03 ERP CONNECTION

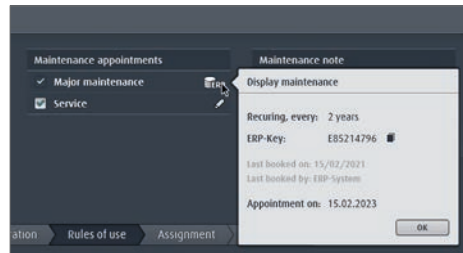
Additional synergy effects through  
centralised data entry and maintenance



Messages about added/deleted drivers and trucks



Transparent data origin



Book maintenance directly using the ERP system

## ERP connection

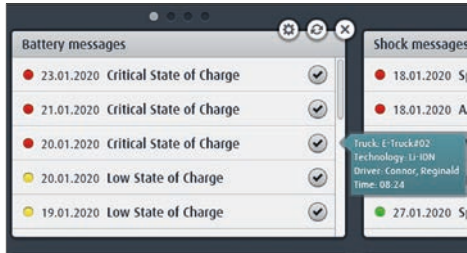
Through the new ERP integration feature, connect:desk provides an interface to existing ERP systems. This allows information from the management software to be transferred into the application.

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.

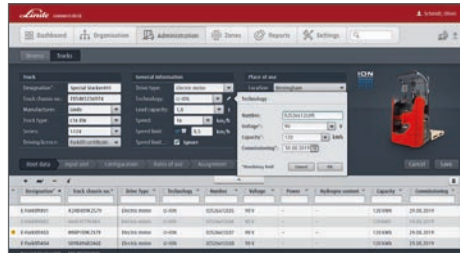
06 Function modules

# 06.04 BATTERY DATA DISPLAY

React early to signs of ageing and incorrect charging



Messages about critical and low charging states



Maintenance of battery data



Evaluation of charging states

## Battery data display

The choice of energy system has gained in significance as an important tool for fine-tuning 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.

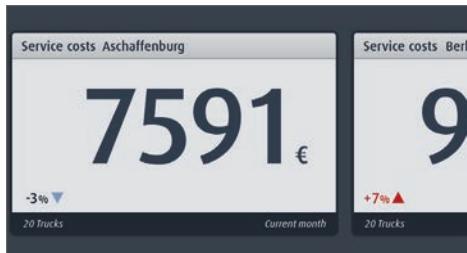
The function module records the battery data for the truck fleet. Recording this data helps you to respond to signs of ageing or incorrect charging at an early stage. By clearly **assigning unusual charging states**, you can provide **targeted driver training** in how to charge the batteries correctly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



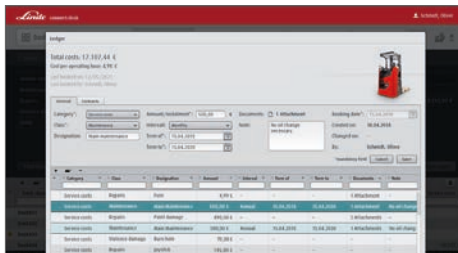
06 Function modules

# 06.05 COST MONITORING

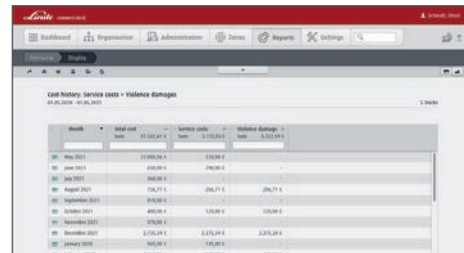
Reduce costs and conserve capital



Central cost overview



Truck-specific ledger



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**.

Linde Material Handling

The Linde logo, featuring the word "Linde" in a white, elegant, cursive script font, centered within a red rectangular background.

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connect:desk product brochure, version 02\_2021