

Efficiency at its best view:
Linde hydrostatic trucks
from 1.4 to 8 t

Linde Material Handling

Linde



Five versatile and impressive series:

Good choice

You don't need to settle for more or less than you need. Only a truck that meets your exact requirements can offer true value for money. The wide range of products and services available from Linde will help you to find the right truck whatever the application. Small or large, diesel or LPG, standard truck or customized product – you decide, we deliver. And whatever your choice, with Linde it will always be a good one.



Linde H14 - H20 *EVO*



Linde H20 - H25 *EVO*



Linde H25 - H35 *EVO*



Linde H40 - H50 *EVO*



Linde H50 - H80 *EVO*

Small, but designed to deliver big results

Agility, manoeuvrability, energy efficiency. When space is at a premium. Even our smallest truck is unmistakably Linde. With its compact external dimensions and generously sized interior, the Linde H14 – H20 **EVO** is the perfect little helper on the production line, whether loading trucks or operating in a beverage store.



Linde H14 – H20 **EVO**

Proficiency – priceless

Efficiency means additional performance. Additional performance means profit. The Linde H20 – H25 **EVO** brings performance and cost effectiveness together, both on the loading ramp and in the aisle. And drivers benefit, too – from a standard of ergonomics that has no equal in this truck class.



Linde H20 – H25 **EVO**

A quiet revolution

Low consumption. Low wear. Low pollutant and noise emissions. And all as standard. The Linde H25 – H35 *EVO* offers innovative technology throughout the series, such as the original Linde variable displacement pump for the lifting hydraulics. It saves the drive motor up to 1200 revolutions per minute – and saves you unnecessarily high operating costs.



Linde H25 – H35 *EVO*

Power player with soft touch

Even heavy loads need special care. So it's best to use the Linde H40 – H50 *EVO*. Its combination of original Linde hydrostatic system and powerful 3.2l V6 Volkswagen engine makes it the world's best-selling 5-tonne truck – even among LPG trucks.



Linde H40 – H50 *EVO*

The world's most compact 8-tonne truck

Powerful load transportation of up to 8 tonnes. Applications requiring special attachments, such as for paper, bricks or building materials. When the going gets tough, the Linde H50 – H80 *EVO* makes the seemingly impossible possible. And the torsion support and overhead tilt cylinders provide maximum safety.



Linde H50 – H80 *EVO*





10 good reasons to choose a Linde truck

1 Hydrostatic

2 Cost-effectiveness

3 Performance

4 Comfort

5 Safety

6 Drive

7 Mast

8 Special Options

9 Environment

10 Service

1



Linde hydrostatic: Technology can be copied. But experience cannot.



If you've spent 50 years manufacturing fork-lift that move millions of tons of loads around the world day after day, you can draw on a wealth of practical experience. And it is this experience that helps us to optimise our trucks on a constant basis and make them even more efficient. It is also the basis for providing first-class services – because Linde is much more than just technology. We offer solutions that make you and your company strong and competitive.

The long road to perfect power control.

However spectacular a new technology is, it always needs time. At the beginning, there is a lengthy development and testing phase. If an innovation then finally comes to market, it must prove its superiority time and again. And market-dominating technology like the Linde hydrostatic system is no exception. Right from the start, our engineers have never been satisfied with what they have achieved – even though the performance of Linde trucks has always been without equal.

Unlike mechanical drive systems, the Linde hydrostatic system provides power via a closed, maintenance-free oil circulation system and transmits it equally to the drive wheel motors – meaning there's no need for a differential, coupling or gearbox. Braking is also hydrostatic: The dual-pedal control moves the truck forwards or backwards, and the truck stops automatically when the pedals are released.

Smooth acceleration. Gentle braking. Precise steering. No coupling. This design increases handling performance while reducing fuel and maintenance costs. It is precisely these benefits that have made Linde one of the leading global brands in the field of industrial trucks – and a benchmark for cost effectiveness and performance.



1960

Linde introduced the first forklift truck with hydrostatic drive in 1960 in the shape of the Hubtrac. It stood out from the very start thanks to its simple and precise handling, low wear and high level of safety.



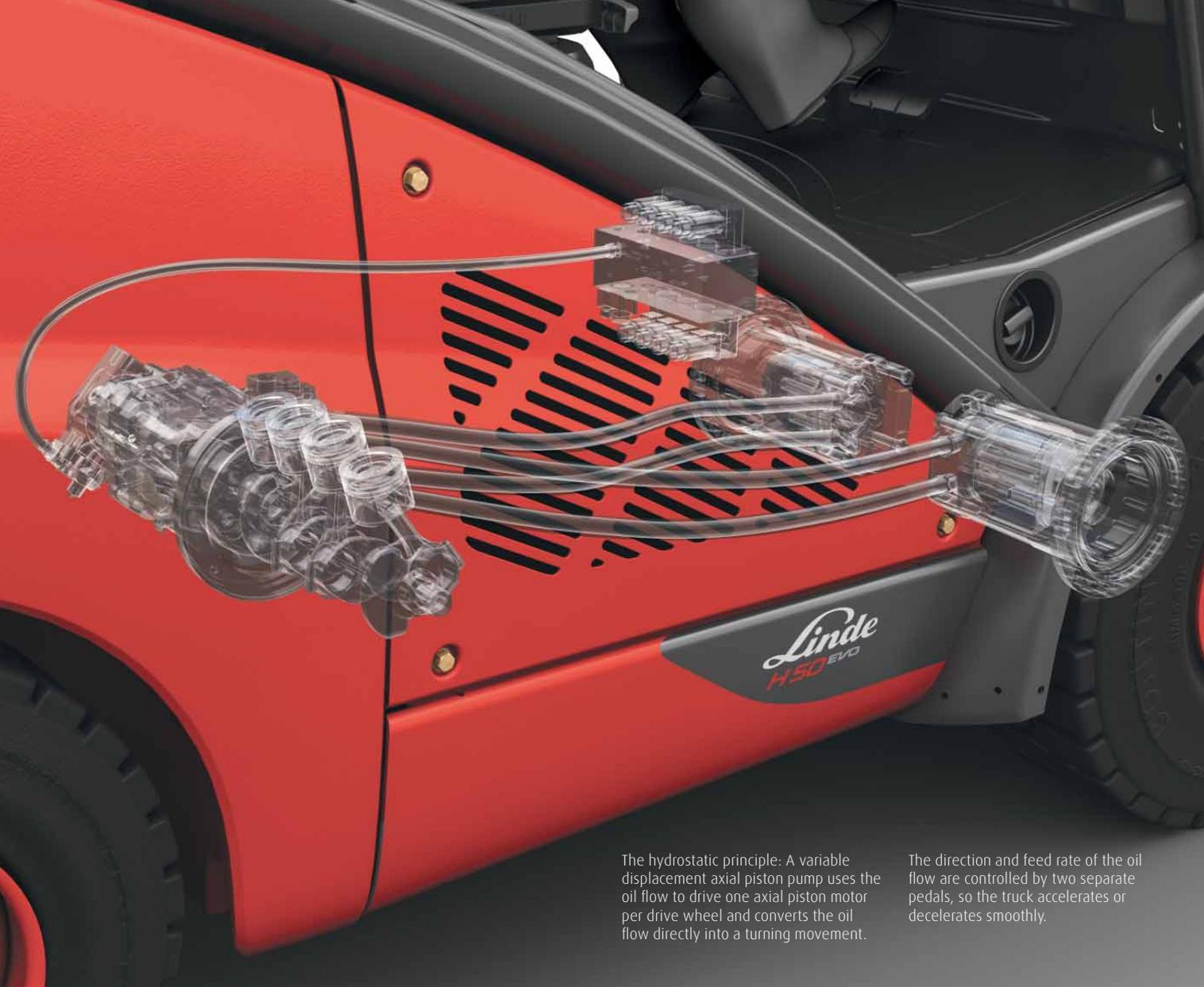
1968

The next stage in the evolution of trucks and hydrostatic systems. The 314-series was produced from 1968 to 1980.



1985

Thanks to their enhanced and more compact hydrostatic drive system, Linde 351-series forklifts were the best-selling trucks in Europe from 1985 to mid 2003.



The hydrostatic principle: A variable displacement axial piston pump uses the oil flow to drive one axial piston motor per drive wheel and converts the oil flow directly into a turning movement.

The direction and feed rate of the oil flow are controlled by two separate pedals, so the truck accelerates or decelerates smoothly.



2002

The successful 39x model. The redesigned generation of hydrostatic drive technology does not have a mechanical reduction stage, giving it an even higher power density.



2013

The next stage in the evolution of Europe's best-selling truck is presented to the world. A variable displacement pump specially developed for use in lifting hydraulics ensures an energy saving of up to 28% in each lifting operation.



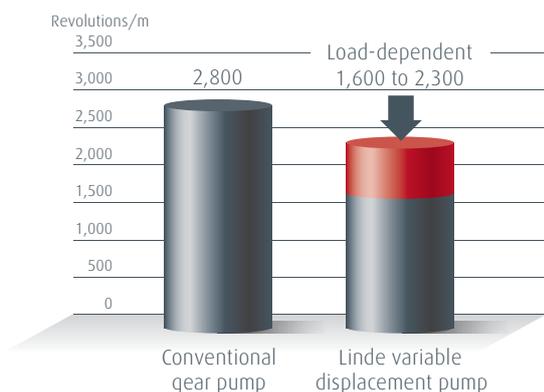
To be continued...



“Oversized” pump, “downsized” costs.

Thanks to their newly developed variable displacement pump for the lifting hydraulics, the H20 – H50 **EVO** models have become even more efficient. Whereas an internal gear pump with continuous oil delivery was previously used, power transmission is now provided by an axial piston pump with variable delivery volume. This means that the lifting speed and engine speed kept separate from one another. The pump has been oversized intentionally, ensuring that only a very low engine speed is required for the lifting movements to be carried out. Lifting noise and fuel consumption are reduced enormously – by as much as 28% in tests!

Reduced rotational speed thanks to the Linde variable displacement pump



Tests show that low revolution speeds reduce fuel consumption, emissions and wear.



Maximum lifting speeds at low drive motor speed – with the new Linde variable displacement axial piston pump, both are possible.



The Linde H20 – H50 **EVO** meets strict requirements for noise reduction – an important factor in night operation or in mixed-use areas.



Sophistication in every last detail. The newly developed electric fan adapts its speed to the temperature of the hydraulic oil, coolant and charge air, making it significantly more economical.

2



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The right investment leads to real savings.



Time is an expensive commodity, so the handling performance of a truck has an enormous influence on its cost effectiveness. Amazingly, this aspect is often overlooked when deciding which truck to buy.

Purchase price is undoubtedly an important cost factor. Much more important, however, is what you get for your money – and what impact the investment costs have on overall cost-effectiveness. By choosing Linde, you are opting for innovative technology that will bring you constant profit over a number of years. Not least because the higher price also means a higher residual value.

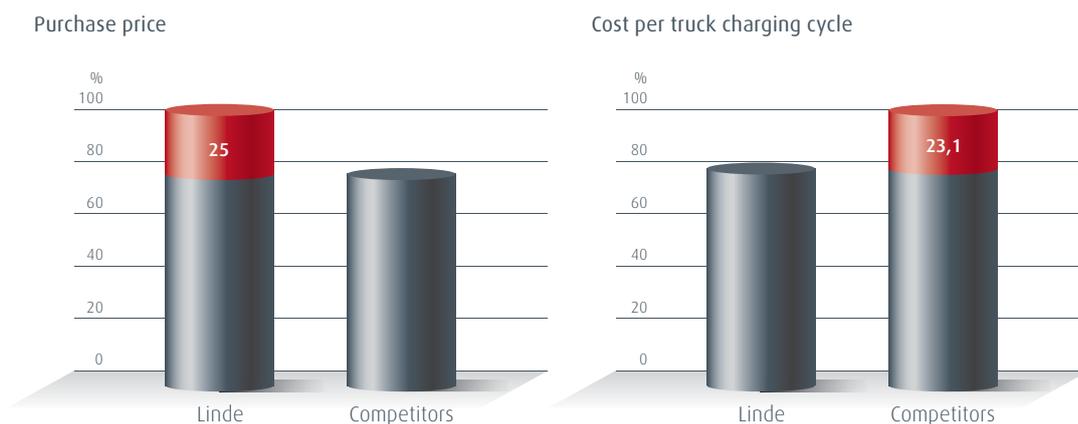
If you compare costs, then you can count on us.



Certified Forklift truck productivity test

When it comes to the cost effectiveness of their trucks, truck manufacturers like nothing better than calculating and arguing the case for their cost per hour. In doing so, they forget – consciously or otherwise – the crucial “productivity” factor. This error in judgement can prove costly – and will certainly be spotted when their truck takes far more time to complete its tasks than other models. The TÜV-certified performance test is based on the costs per defined work process. This means that, for the first time, it is possible to carry out a realistic comparison of forklift truck performance and cost-effectiveness.

Performance comparison



Our comparison shows that a competitor truck that costs EUR 6,524 (25%) less to buy actually costs EUR 4.15 (23.1%) more per truck charging cycle than a Linde truck (see feasibility study, right).

Energy costs

Energy costs and productivity are inextricably linked. With state-of-the-art Linde technology, you can move far more goods in less time, with less energy required as a result. It is crucial to remember that, when calculated over thousands of operating hours, every little saving adds up to a substantial increase in cost-effectiveness.

Personnel costs

If you make life easier for your drivers, you will take the strain off your budget, too. After all, personnel costs account for around 80% of the total costs of a truck. One more reason to count on Linde from the start. A high degree of driving comfort, intuitive operating steps and a sophisticated ergonomics concept ensure maximum turnover in minimum time. If you use five Linde trucks, then on average you will effectively save one additional truck. Including personnel, of course.

Profitability analysis

Basic data

	Linde H30D EVO	Competition
Personnel costs/hour	EUR 20	EUR 20
Working days/year	230 days	230 days
Diesel price/litre	EUR 1,15	EUR 1,15
Service costs/hour	EUR 1,72	EUR 1,89

Financing data for purchase

Net purchase price	EUR 32.160	EUR 25.636
	<i>25% lower net price from competitor</i>	
Operating time	60 month	60 month
Residual value	25%	22%
	<i>3% geringerer Restwert des Wettbewerbers</i>	
Interest rate	3%	3%

Basic data per truck

Time taken to load and unload a truck	35.4 min	42.2 min
	<i>19% higher handling performance from Linde</i>	
Resulting operating hours from truck loading	1.000	1.192
Consumption per truck loading and unloading	1.772 l	3.562 l

- Service costs per truck
- Energy costs per truck
- Financing costs per truck
- Personnel costs per truck

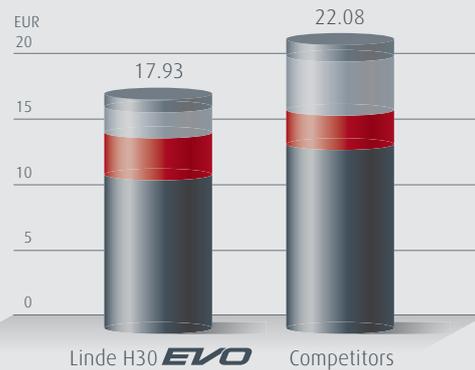
Cost per truck

	Linde H30D EVO	Wettbewerb
Financing costs per truck	EUR 3.13	EUR 2.59
	<i>The initial 25% price difference is taken away</i>	
Personnel costs per truck	EUR 11.80	EUR 14.07
	<i>Great potential for savings in personnel costs due to faster work processes</i>	
Energy costs per truck	EUR 1.98	EUR 4.10
	<i>Twice the savings. The Linde takes less time per work process and consumes less energy overall.</i>	
Service costs per truck	EUR 1.01	EUR 1.33
Total costs per truck	EUR 17.93	EUR 22.08
Difference		EUR 4.15
Difference in %		23.17%
Cost per pallet	EUR 0.32	EUR 0.39

The truck productivity test is the only benchmark that takes all costs into account. With Linde, you save well over 20%.

Your profit per year EUR 7,039.76

Cost per truck



Service costs

Service costs are hidden costs, which is why they are often initially underestimated. A high level of brake and tyre wear? Expensive oil changes? You can save on all of these costs, because Linde trucks are designed to largely do away with wearing parts. What's more, our servicing is designed very much with productivity in mind. Linde IC trucks require far less servicing thanks to a number of design features:

- Maintenance-free hydrostatic direct drive
- Maintenance-free brakes
- Reduced tyre wear
- New high-performance filter concept: Filters, hydraulic oil and engine oil need to be changed half as often as before.
- Maintenance-free drive axle bearings
- Maintenance-free tilt cylinder bearings
- Good accessibility for maintenance work
- Electronic controller with self-diagnostic mode

3



Pure performance.



Engineered for your performance: That's our promise to you. Over the years, our trucks have featured an array of innovations and patents. They form the basis for Linde's clear technological competitive advantage, and for handling performance that sets standards in the entire industry.

But performance does not mean power at any price. We believe that efficiency has always been associated with economic and environmentally-friendly consumption figures, and with highly efficient power utilisation and low emission levels. Or in other words: with all of the values of our H14 – H80 models.



There are many sides to efficiency.

In practice, there are frequently situations in which safety and sensitivity take priority over the pure power. That may be because sensitive goods require particularly careful handling, or because the traffic volume is high or an aisle is very narrow. To avoid physical damage, accidents, noise or high levels of energy consumption, the H14 – H80 models have been equipped with improved and individually selectable setting dynamics – both for driving and lifting movements.

Performance mode

High performance for maximum handling performance. Ideal for trucks with attachments, as well as long travel distances, including driving over ramps.

Efficiency mode

As the default setting, the efficiency mode strikes a balance between performance and economy. This is the right mode if you want to control energy costs but don't want to compromise too much on performance.

Economy mode

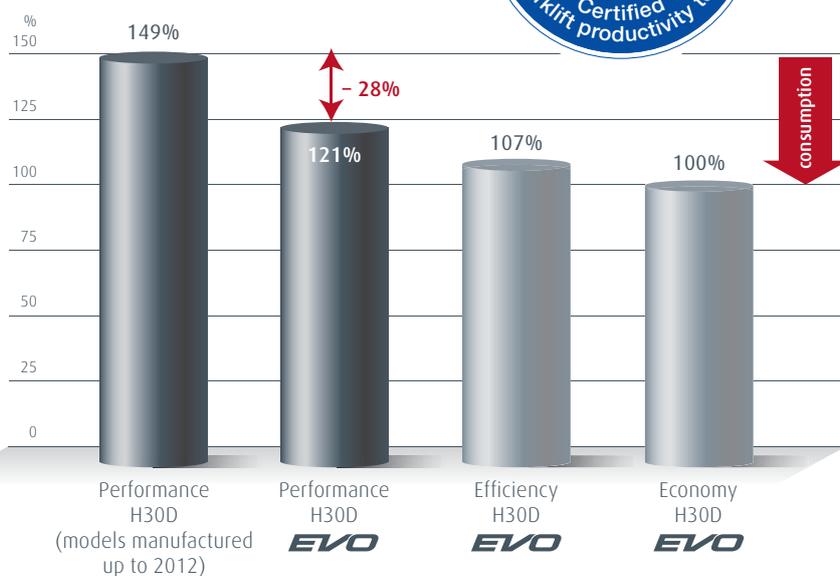
A good example of when to use this mode is when clocked pallet conveyors are employed in the middle of production with narrow drive paths and speed restrictions. Economy mode enables careful load handling at reduced fuel consumption.



- 1 Hydrastatic
- 2 Cost-effectiveness
- 3 Performance
- 4 Comfort
- 5 Safety
- 6 Drive
- 7 Mast
- 8 Special Options
- 9 Environment
- 10 Service

Efficiency of the relevant setting dynamics

H30D work cycle



Evolution of economy

The abbreviation **EVO** stands for a new development stage within a truck series. Set to the comparable performance mode, the H30D EVO saves a full 28% in fuel compared with its predecessor model.



4

Comfortable working means better working.

Ergonomics are firmly established in every Linde truck. Our brand is now regarded as the global benchmark for excellent ease of truck operation – and with good reason. Generous head and leg room, individual setting options for the steering wheel, seat and armrest, excellent vibration damping, intelligent arrangement of all operating devices – ideal conditions for drivers to make use of their full range of skills, as well as stay alert and fully concentrated over many hours.

1 Hydrostatic

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Superiority, hard to explain – easy to recognize.

The cockpit in the new generation of Linde trucks redefines the term “workplace”. Comfort is not so much about a physical feeling, but rather about motivation. With a large number of seat variants, we create the ideal conditions to bring the best out of every driver.

It is not only the seat and the extra small steering wheel can be individually adjusted to weight and body size, but also the completely redeveloped ergonomic armrest. Smaller equipment such as phone, gloves and wallet can be safely stored in the padded* compartment.

*only for fabric seats



Ergonomic armrest with horizontal and vertical incremental adjustment. A single handle brings the driver into the optimal working position, with direct access to the control lever for the working and additional hydraulics.



The **standard truck seat** consists of durable, dirt-repellent PVC. The mechanical spring assembly offers 60 mm of spring travel for drivers weighing up to 130 kg.



In addition to an abrasion-resistant fabric covering, the **comfortable seat** coated with activated carbon provides mechanical lumbar support and optional air suspension.



The **super comfortable seat** from Linde with air suspension as standard, seat and backrest heating system, backrest extension and seat cushion depth and angle adjustment.



High-end comfort for long periods of use. The **“super comfort active”** with ergonomic seat and backrest and a world first in truck manufacture: climate control equipment with active ventilation.

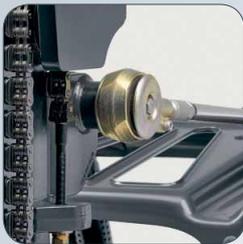
Operating comfort at its finest.

Many have tried to copy Linde Load Control, but none have succeeded. Separate operation of lift mast and additional hydraulics. A central control lever for lifting, lowering and tilting. Up to three additional hydraulic circuits via ergonomic control levers for precise load handling. This prevents dead time in the design of operating procedures and creates a sensitive link between driver and truck. It's almost like holding the load in your hands.

But it's not just the active comfort of Linde trucks that aids productivity. External factors can also increase performance – or significantly reduce it. It is for very good reason that Linde has engaged for over 20 years in research and development of technologies that help to reduce harmful vibrations in the driver's cab. This experience is employed in every one of our truck models. While other manufacturers uncouple the driver's cab using simple rubber silent blocks, Linde uses an integrated system that provides the driver with effective protection against negative external factors.

Noise and vibration decoupling

Rubber-cushioned tilt cylinder connections prevent the transfer of impact and noise



Maintenance-free tilt cylinder bearings reduce downtime and operating costs



Proven to work in tough and continuous use. Decoupling of mast and drive axle with chassis and driver's cab to radically reduce jolts



Special steering axle bearings reduce impacts and vibrations caused by uneven surfaces



The **display** is fitted in the upper part of the cockpit, meaning it is always in the driver's field of vision. The illuminated symbols are easy to see.



Heating, air-conditioning system and radio. Just a few features from our complete range for comfortable working.



The stable, **stainless steel step** ensures drivers can get in and out of the truck safely.



Get on board quickly with the **standard entry hand hold**.



Forward and reverse travel with no need to change over feet, thanks to **Linde dual-pedal control**.



Linde Load Control. Even gentle hand movements are enough to position heavy loads precisely and safely.

5



Safety has priority.



The Linde Safety Pilot as TOP1 safety feature for counterbalanced trucks up to 8t helps the forklift driver to prevent operating errors and driving errors, thereby minimizing the risk of an accident occurring. The Linde Safety Pilot provides support within the maximum load range, regulates the lift and tilt functions based on the lift load and lift height, and offers an enhanced level of safety when handling loads. Please become also familiar with Lindes other worldwide unique safety features like Linde Engine Protection System which prevents costly engine damage or the standard curve assist for IC-trucks which automatically regulates the truck's speed when cornering.

1 Hydrostatic

2 Cost-effectiveness

3 Performance

4 Comfort

5 Safety

6 Drive

7 Mast

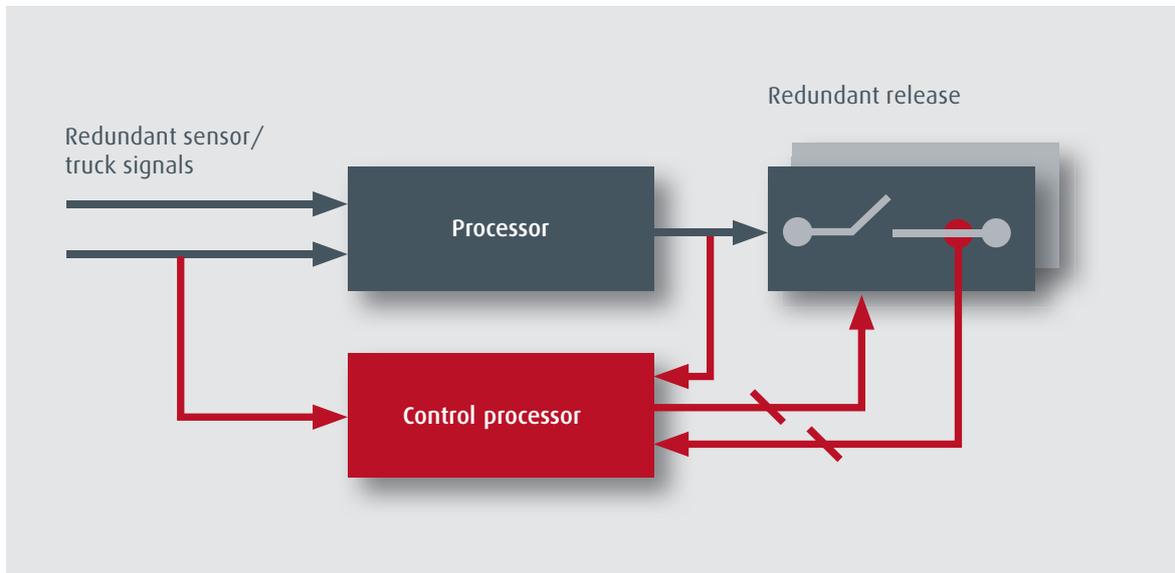
8 Special Options

9 Environment

10 Service

Everything works better. Because nothing goes wrong.

Active safety systems on board Linde trucks operate continuously for your benefit. All safety-related commands for driving and lifting movements are made redundant; in other words, they are controlled by two processors simultaneously. They are not activated until both sensor parameter correspond. If they are different, then nothing happens. Above all else, nothing incorrect happens. Conventional electronic systems do not have this active safety feature. If an individual processor fails, it can result in the driver's intended command being executed incorrectly or inadvertently.



Every Linde forklift truck meets the highest safety standards:

Rapid reversing thanks to the unique Linde hydrostatic system

Automatic parking brake when the engine is stopped

Fully hydraulic steering with no kickback

High degree of stability

Outstanding visibility

Low noise level

Low human vibrations thanks to the innovative decoupling concept

Stable overhead guard (Linde ProtectorFrame)

Duo-sensitive seat belt

Redundant design of all safety-related electronic components

High residual load capacities even at high lift heights

Safe load handling thanks to Linde Load Control

The sophisticated ergonomics in the truck let drivers reach their full performance potential and pay full attention to the task at hand.

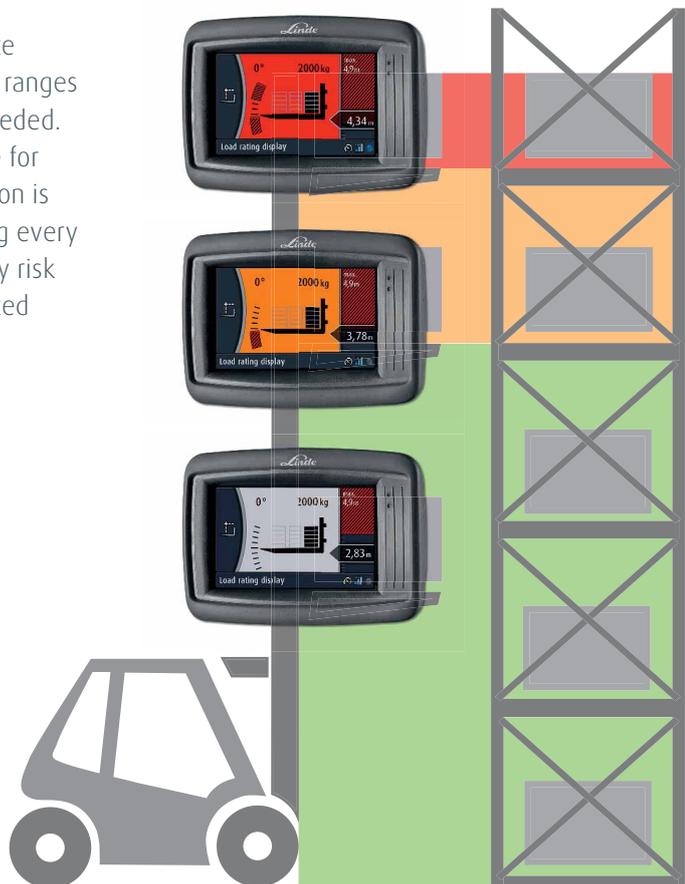
Linde is the first manufacturer in the world to include the **“Curve Assist”** safety function as standard in its H20 – H50 models. When cornering too quickly, the system automatically regulates the truck’s speed. This means the truck can be used up to the limits of its efficiency, but not beyond.



Costly engine damage is also prevented as standard at Linde – with the **Linde Engine Protection System (LEPS)**. If key truck parameters are not met or are exceeded, a message will appear in the truck display. In critical situations, the truck automatically switches to creep mode. The truck also monitors the engine oil level, engine oil pressure, coolant temperature and level, temperature of the hydraulic oil, air filter vacuum and the presence of water in the fuel filter.



Linde is now offering an electronic assistance system that always intervenes when critical ranges are reached – and before the limits are exceeded. The new **Linde Safety Pilot** leaves no scope for risk or compromise. Safety-related information is electronically analysed and evaluated during every driving and lifting phase. If a potential safety risk is detected, the truck functionality is regulated automatically.



6



The drive makes all the difference.



Today's trucks are exposed to a wide variety of working conditions, workloads and travel routes. The demands placed on the drive system are equally diverse. You can decide which is the right variant for you. Whether diesel or LPG – any drive type is available ex works as standard, including the natural gas variant. That means they satisfy both the requirement for extreme cost effectiveness and high handling performance coupled with high efficiency, as well as the requirement for highly environmentally friendly operation.

There are three drive types to choose from.

Diesel: This has been the number 1 drive type since trucks were first built. Linde currently offers a diesel drive system in combination with the original Linde hydrostatic system for trucks up to 18 t. A diesel particulate filter system is included as standard depending on the country of delivery. But even without a filter, with the latest Linde engine technology you are driving the world's most environmentally-friendly truck.

LPG: The ever stricter emissions legislation for diesel trucks (particularly in the EU and the USA) have accelerated the demand for LPG trucks. Particularly where use of the truck alternates between indoors and outdoors, and in sub-optimal ground conditions, they represent a genuine alternative to the conventional diesel truck – not least with regard to tax concessions granted by many countries for LPG vehicles. Thanks to the accurate residual quantity display based on ultrasound technology, it's just as easy to use replacement cylinders as it is an LPG truck with a tank. With Linde, you no longer need to waste time transporting bottles.

Natural gas (CNG): Even when compared with LPG trucks, a natural gas drive is a particularly environmentally friendly and economical alternative – especially for companies that already have a natural gas filling station. Linde offers fully equipped natural gas trucks ex works.

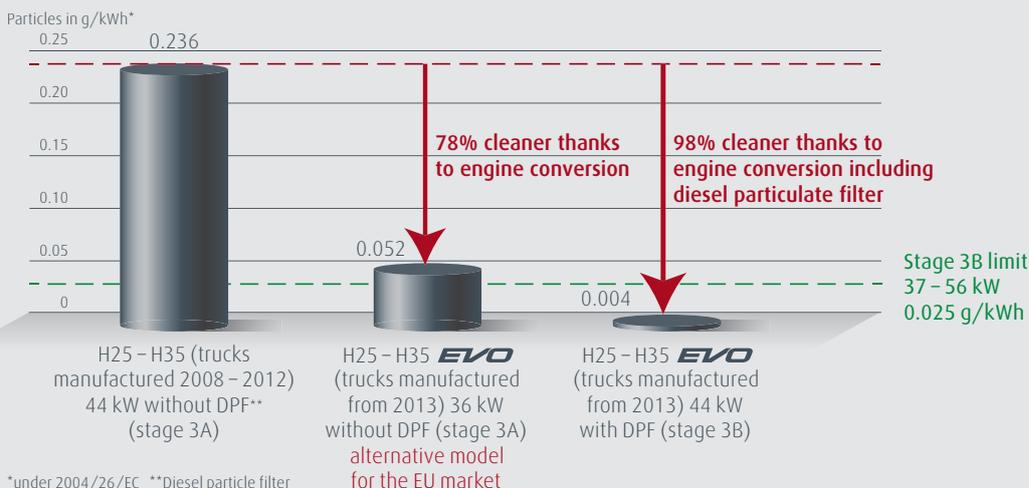
Benefits of diesel	Benefits of LPG	Benefits of natural gas
Available worldwide	Lower CO emissions	Cost-effective (in a large fleet)
Less work required during refuelling	No particle emissions	Further reduction in exhaust emissions compared with LPG
Good cold start capability	Reduced (engine) noise	Can also be used in underground garages and cellars (unlike LPG)
Low-maintenance engine technology	Tax concessions in many countries	Smaller protection zones than for LPG filling stations

The world's cleanest diesel truck fleet

On 1 January 2013, European legislation governing exhaust gas emissions came into force under which diesel particles are limited to 0.025 g/kWh in the 37 – 56 kW engine performance class. Equipping all EU trucks with a diesel particulate filter as standard would have satisfied this requirement, but as a global supplier of counterbalance trucks, Linde wanted to go a step further. After all, if you really want to take protection of the environment seriously, you need to start with product development and the model strategy. General conversion of trucks to the latest VW common rail engine technology already improves emission values enormously without a diesel particulate filter and reduces the diesel particles in Linde's truck fleet worldwide. This product strategy also benefits the 36-kW model alternative for the EU, which achieves an excellent improvement in emission values even without a diesel particulate filter. Finally, consistent and standard use of a diesel particulate filter in trucks over 37 kW reduces diesel particles by 98%.

Reduction in the emission of diesel particles

Under 2004/26/EC with engine power rating of 37 – 56 kW (Linde H25 – H50D)



Thanks to **high-precision ultrasound monitoring of the filling level**, a Linde LPG truck never arrives too early for bottle replacement... and never too late.



Ergonomic bottle replacement in LPG operation.
No unnecessary force required from the driver.

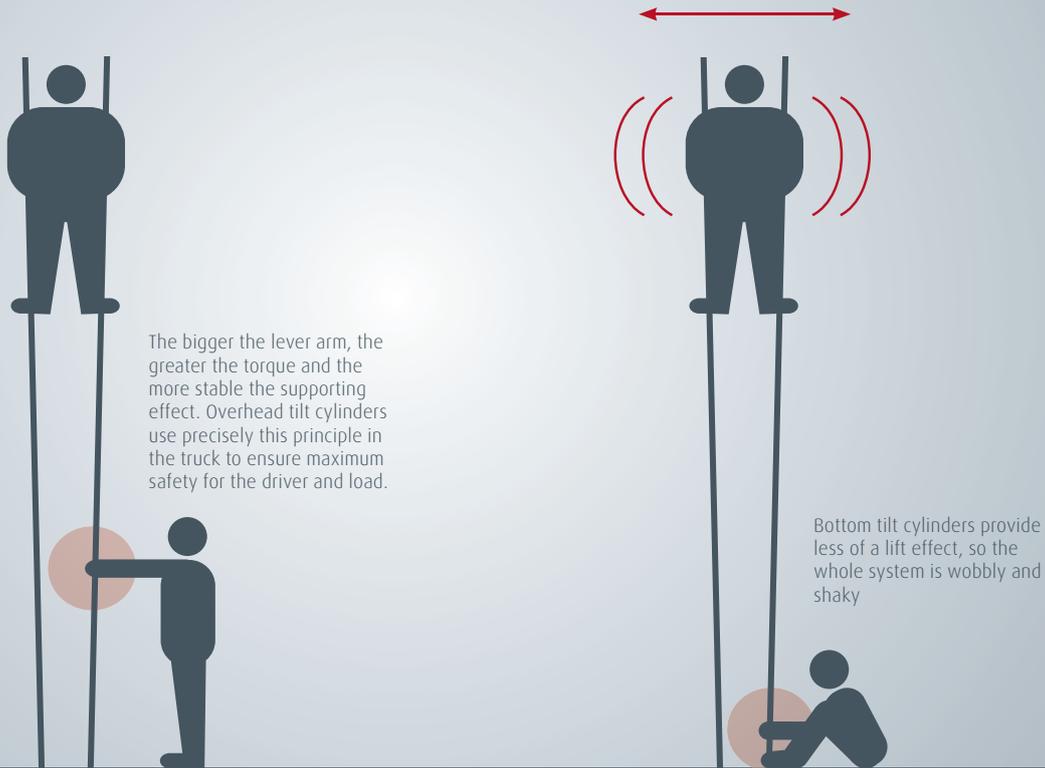


7



Lift – and stay firmly grounded.

Some truck applications are a true balancing act, often at dizzy lift heights and hard-to-reach places with a load weighing several tons. In these situations, there is one overriding concern: absolute safety and precision. To ensure maximum safety even in extreme situations, Linde has developed a unique mast design that is not available anywhere else in the world. Overhead tilt cylinders make clever use of physical lever principles and enable considerably slimmer mast profiles to be employed. The resulting improvement in the field of vision offers the driver far better visibility, the mast becomes more stable and the driver and load benefit from the maximum possible safety – even under difficult conditions.



Applied physics.

Pure strength isn't everything – it only becomes truly productive when combined with suitable safety measures. This knowledge has been integrated into the design of Linde truck models. The focus is on the driver's workstation: adapted into a highly stable, warp-resistant unit comprising the overhead guard and frame.

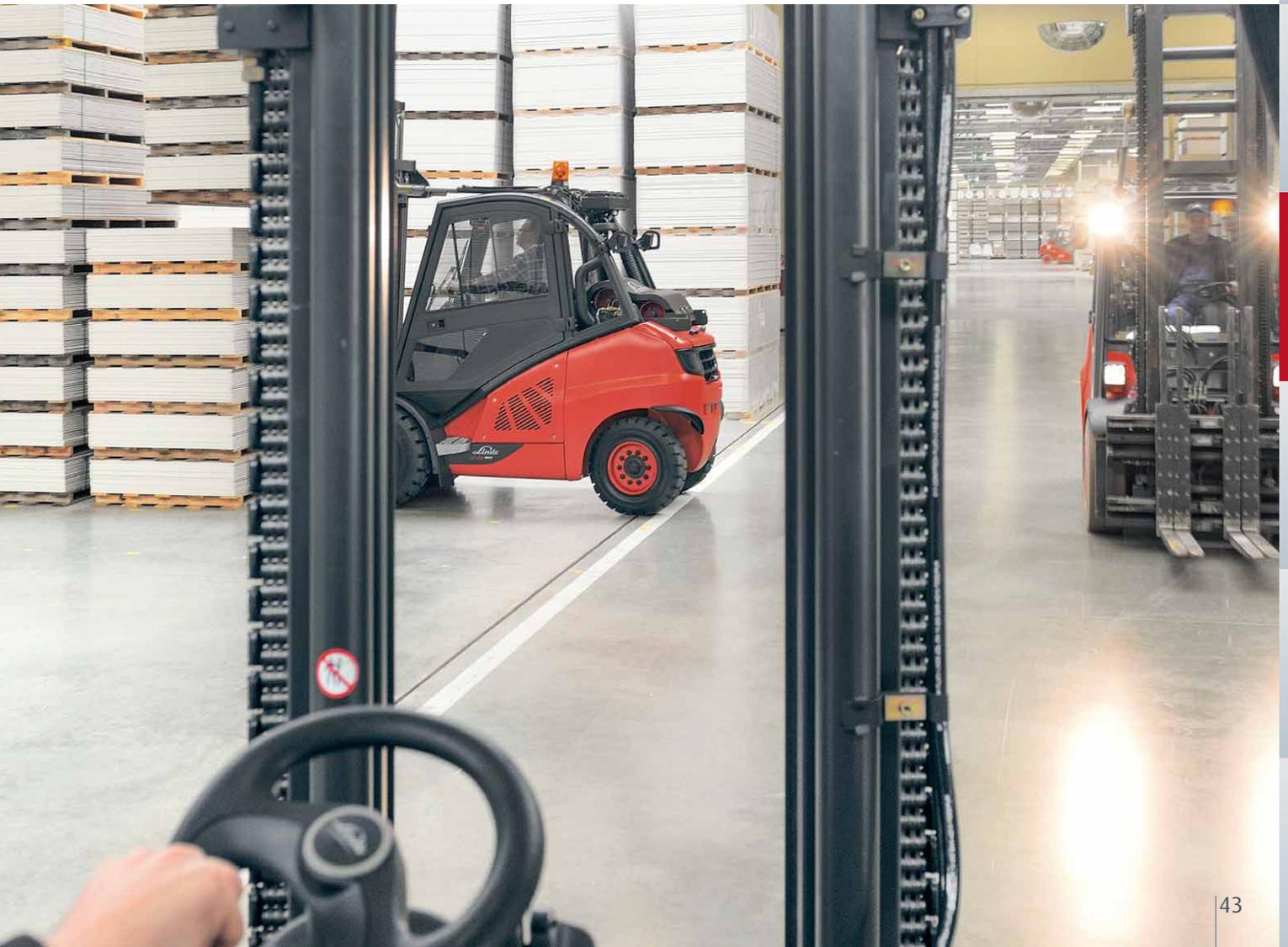
The Linde ProtectorFrame gives many truck models their characteristic shape. And it gives the driver maximum protection. This innovative approach to design opens up a whole series of potential technical improvements – most notably the use of overhead tilt cylinders that contribute directly to the stable structure of the ProtectorFrame. This design ensures that most of the load is guided evenly into the ground over the whole structure of the truck, resulting in far fewer vibrations and torsions when stacking at great lifting heights. Deflection of the lift mast is also substantially reduced.



Perfect task sharing. **Overhead tilt cylinders** enable the use of considerably slimmer mast profiles, with no loss of power. But with far greater safety.



Using standard **electronic end position damping**, avoids hard knocks from occurring when the tilt cylinders approach the end stop.



8



Special solutions for special requirements – available ex works.



The name says it all – Linde is synonymous with state-of-the-art technology, and a range of models to suit every customer. Whatever you need, with the most comprehensive range of trucks available on the market, we can meet practically any standard requirement. In addition, we offer a wealth of special solutions ex works.

And if you have non-standard requirements, we can use our customised options to create a truly one-off truck exclusively for you. In special colours – with your branding. A truck you'll find nowhere else but Linde.

Nearly nothing is impossible.

Only you know exactly what it is that you want – so we need your guidance. To accommodate all of our customers' equipment requirements, we have an extremely long list of options. Heating, air conditioning, radio, integrated sideshift or LED work lights – these are just a few of the most common special requirements from our customers.

The innovative rotating driver's workstation that prevents back-damaging contorted movements during reverse travel is also highly popular, as are the extra-durable and heat-resistant special designs for use in foundries.



Linde truck in beverage industry version. The driver has a good view from the **raised cab** at all times – even if loads are stacked high on the fork.



Rotating driver's workstation with fully rotating pedals and operating devices. Whether travelling forwards or backwards, with a slight head movement the driver has the load and route in view.



Ideal for low entrances. Even for the powerful 5-tonne trucks, Linde offers a version with a height of just 2.22 m.



Designed for use in the toughest environments. Linde truck in **heat-resistant foundry design.**



1 Hydrostatic

2 Cost-effectiveness

3 Performance

4 Comfort

5 Safety

6 Drive

7 Mast

8 special Options

9 Environment

10 Service

9



Combining ecology with economy.



If you want to take protection of the environment seriously, you need to start at an early stage. At Linde, that approach begins at the drawing board. Whether in planning or development, model strategy or production, environmental concerns have a significant impact on every corporate decision. This attitude is based on an inner belief, but also on concrete economic considerations.

In many countries, statutory requirements are becoming increasingly strict and restrictive. In fact, they often even represent genuine exclusion criteria for one truck type or another. Linde is always in step with the most recent legislation – giving you security when making your purchase decision. For trucks that meet tomorrow's requirements today.



Controlled particulate emissions.

Particulate matter can damage your health. This has long been a well-known fact. But what few people realise is that one of the major causes of particulates is the abrasion effect of brake pads. Experts have calculated that the abrasion effect of a single forklift truck with conventional braking adds up to around 350 grams of particulate matter a year – an unnecessary burden on the environment. With the Linde hydrostatic system, all you need to do is take your foot off the pedal. The oil flow slows the truck down gently and smoothly, with no abrasion of tyres and brake pads and no particulate emissions whatsoever.

The diesel engines employed by Linde achieve an unrivalled low level of particulate emissions, with the latest generation of engines at just 17% of the limit. The 30 kW version of the H25D **EVO** emits two-thirds less CO₂ than comparable competitors, achieving an unparalleled 0.104 g/kWh in an 8-stage test.

Material recycling 90%

e.g. cast iron, steel,
batteries, copper

Product recycling 5%

e.g. tyres, engines,
hydraulic components

Heat recycling 4%

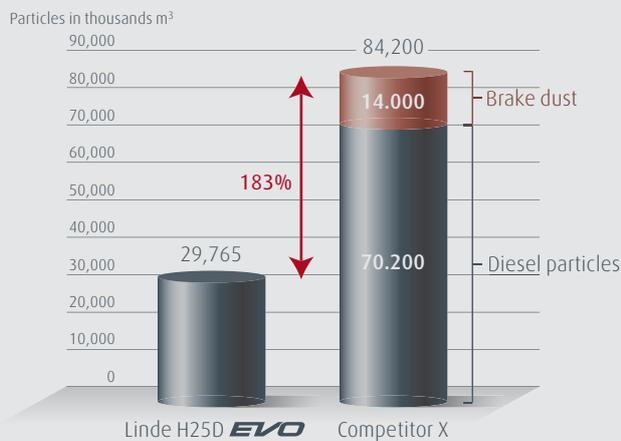
e.g. plastics, oils,
operating fluids, hoses

Waste disposal 1%



Even at the end of their long service life, Linde trucks continue to impress. As Linde uses a production process that consistently employs homogeneous and reusable materials, its trucks are 99% recyclable.

Comparison of environmental impact



The EC limit for particulates is 50 µg/m³. Taking diesel particles and brake dust together, competitor X pollutes approx. 84.2 million cubic metres of air up to this value – 183% more than the Linde H25D *EVO*.

10



Quality service.



Wherever you use a Linde truck, the nearest service technician is never far away. Even though, in all likelihood, you will hardly ever need one. Even though it uses low-maintenance technology that has low susceptibility to faults, Linde has the densest and most efficient service network in Europe – because we know that there is no more costly truck than a stopped truck. To keep maintenance and downtimes to a minimum, we have developed a consistent package of measures. Service-compatible construction, benchmarking in the product clinic, modular design – all of our services focus on one goal: maximum cost effectiveness.

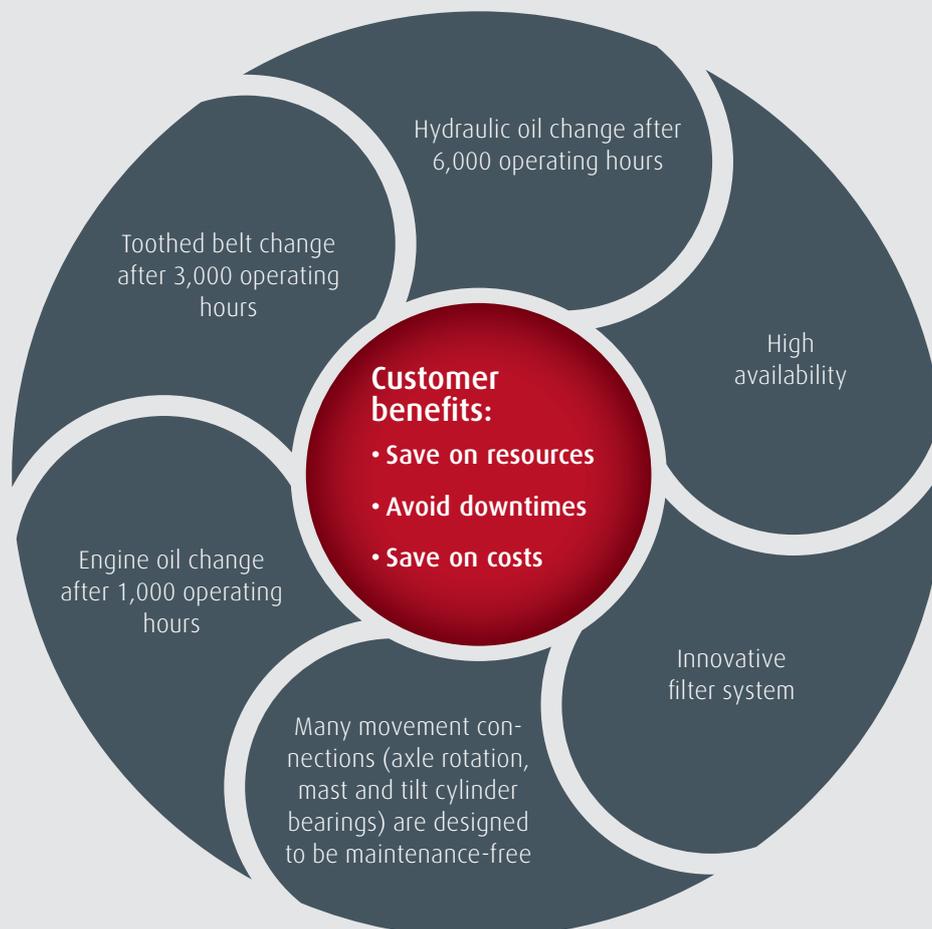
Service – effective, competent, professional.

The total cost of ownership of a truck over its entire life cycle is a key parameter that has a significant impact on cost effectiveness.

Personnel, energy and service costs make up the majority of the total cost. Our goal is to reduce these costs over the long term – and that starts with ensuring our trucks have a service-compatible design. To ensure that the solutions developed in theory are also the best ones in everyday practice, our developers rely on consistent feedback from the markets.

Through our 7000 qualified service technicians, we can record our customers' valuable suggestions and requests and focus them into particular subject areas. The task of the Linde designers is to convert customer feedback into ground-breaking technological solutions, ensuring our products undergo constant development. The top priority is to provide relevance for the customer, with all internal decision-making criteria coming second. After all, our slogan is: Customer first. The customer is at the heart of all our activities.

When designing components and their materials, Linde makes sure they provide long availability and long maintenance intervals.





1 Hydraulic

2 Cost-effectiveness

3 Performance

4 Comfort

5 Safety

6 Drive

7 Mast

8 Special Options

9 Environment

10 Service



Linde Material Handling ranks among the world's leading manufacturers. This position has been justly earned. Linde trucks excel not only with their recognized innovative technology but especially their low energy and operating costs, which can be as much as 40% less than competitors.

High quality in production is matched by the standard of the services we provide. With a comprehensive network of local sales partners, we are at your call around the clock and around the world.

Your local Linde partner offers you a complete single-source package. From qualified pre-sales consulting through the sale to after-sales service; including finance packages matched to your business requirements. Leasing, rental or hire purchase. Flexibility is maintained in your operational and decision-making processes.

Engineered for your Performance

Linde Material Handling

Linde