

The fork lift truck for indoor and outdoor use. Space and cost-saving.

Our reach truck with superelastic tyres and a capacity of 1,600 or 2,000 kg: ETV C.

**JUNGHEINRICH**
Machines. Ideas. Solutions.



For indoors and outdoors. **Two trucks in one.**

The Jungheinrich ETV C reach truck offers the best solution for cost-effective stacking and retrieval at high lift heights and in confined spaces. Whatever the need – handling pallets, operating in drive-through racking, for single shift or multishift applications, for combined inside and outside operation with the comfortable driver's cab (optional) – the universal scope of our ETV C16/C20 allows for more flexibility at lower costs.





For any surface.

Combined indoor and outdoor use thanks to superelastic tyres.

With our ETV C16/C20 reach trucks, you can say goodbye to expensive frictional losses at the indoor/outdoor interface. Thanks to super-elastic tyres and greater ground clearance. The “key” to combined warehouse and yard use, HGV loading and unloading as well as working on poor surfaces.

Superelastic tyres for increased comfort and traction

In contrast to Vulkollan tyres, the superelastic tyres deliver softer handling and markedly less floor loading – a key advantage, for example when used on several floors (indoor floors). Other advantages:

- Hard jolts due to poor ground conditions are reduced – operator and load protected.
- Noticeably less sinking into soft ground such as asphalt when external temperatures are high.
- Minimised wear due to low-profile design.



Non-marking superelastic tyres (optional)

Standard superelastic tyres



For every occasion, inside and out.

You won't need a second truck.

Universally applicable

Conventional reach trucks predominantly demonstrate their strengths in the warehouse. As a rule, transport in the yard is carried out by traditional counterbalanced fork lift trucks. Our ETV C can take on both tasks – inside and outside. This makes savings across the board: There are no procurement and maintenance costs for another truck, personnel costs are reduced and no parking place is required for the second truck.

Principle of reach mast technology

After load handling with extended mast, this is pulled back with the load between the support arms inside the contours of the truck. This shortens the truck and enables the load to be transported securely. A further advantage of this principle: The reach truck requires narrower aisles between the racking. And the narrower the aisles, the more space there is for racking over the same floor area.

The advantages of our ETV C at a glance:

- Just one truck for loading and unloading HGVs outside as well as transportation and stacking inside.
- More ground clearance.
- Handles uneven surfaces.
- Non-marking tyres protect the floor of the warehouse (optional).
- Requires reduced aisle width thanks to reach mast technology.
- Best visibility, even with high loads, due to side-facing seat.
- Greater lift heights can be achieved.
- High gradeability.

Enhanced safety and efficiency

For 60 years our reach trucks have been stacking and transporting both reliably and powerfully in the warehouses of the world. Today one in three reach trucks carries the Jungheinrich brand. The reason is simple: Our trucks offer maximum functionality and longevity. This is thanks to fully encapsulated electronics as well as software, motors and controls designed and manufactured in-house. Everything is perfectly coordinated and guarantees maximum power with minimum energy consumption.

Maximum energy efficiency saves you money



Energy consumption

ETV Series C: 4.5 kWh/h

Competition: Ø 6.1 kWh/h



Throughput

ETV Series C: 69 pallets/h

Competition: Ø 53 pallets/h

Consumption and pallets transported per hour according to VDI 2198, compared to the competition (average value).



For any operation.

Plenty of good ideas.



SOLO-PILOT



MULTI-PILOT

Productivity-enhancing ergonomics

The large footstep makes entry easy and the unrestricted foot-well provides ample legroom. The seat with its three adjustable positions, the adjustable steering wheel and the many storage compartments for personal effects and work materials facilitate efficient and ergonomic work.

Low-vibration operator's seat

The low-vibration design of seat–seat cover–seat support guarantees increased productivity due to longer operating time. The superelastic tyres also provide additional cushioning.

Maximum ease of handling

The intuitive control of the hydraulic lever and travel direction switch, automotive-style pedal configuration and the short wheelbase all help to make the operator's working day noticeably easier.

Comfortable steering wheel position when travelling in a straight line

When travelling straight ahead, the steering wheel spinner knob is always positioned at the ergonomically ideal 9 o'clock position. Irrespective of whether the steering wheel was moved when the truck was switched off or was turned further in 180° steering mode. The steering control always returns the spinner knob back to the optimal position travelling straight ahead.

SOLO-PILOT control lever

Integrated in the armrest, the SOLO-PILOT control lever ensures precise control of the travel/lifting functions by fingertips alone. The switches and levers are allocated in conventional manner to provide a single control function.

MULTI-PILOT control lever (optional)

The MULTI-PILOT is designed like a joystick. All functions are comfortably situated for the operator's hand: The ideal control option for maximum stacking and retrieval performance.



Jungheinrich Curve Control for improved safety while cornering

Jungheinrich Curve Control automatically reduces the travel speed when cornering, depending on the degree of the steer angle. Electric braking engages and keeps centrifugal forces at a constant low level. The advantage: maximum safety with optimum utilisation of truck performance.

The best basis for fast and reliable stacking

- Extremely stable mast with the highest residual capacities (1,100 kg up to a lift height of 7.4 m for the ETV C20).
- Maximum lift speeds, even with rated load.
- Market leading closed height/lift height ratio for applications with low overhead clearance heights.

Good visibility for quality work

- Narrow roof supports for excellent all-round visibility.
- 100 % clear view with panorama roof (optional).
- Wide visual range at the mast for best view of the forks and load.
- Spotlights on the fork carriage (optional), to achieve optimum illumination of the racking rows and storage bay.

Residual time display to protect the battery

The battery residual time display indicates in hours and minutes when the battery will need recharging. When the last bar goes out, the lift function is automatically deactivated and the truck reduces its travel speed – although the drive and mast reach functions required for changing the battery will remain available. Thus the risk of dangerously draining the battery is significantly reduced.

Simple release/locking of the battery at the touch of a button

Just touch the button and the mast moves into position for unlocking the battery. After the battery is charged or replaced, it's just as easy: Simply pull back the mast and the battery is already locked in place again.



Well informed at all times via the operator display

The operator display unites a number of functions in one control panel. Function keys with one clear function, indicator lights and an LCD display provide the operator with access to all the performance parameters, to remain in control of any situation.

Adjustable steering wheel

Handle for safe entry/exit

Location for refreshments or personal effects

Generous foot-well

Low step for easy entry and exit



Direct access to storage trays

Wide armrest

More free space
to the left and
right of the seat

Low-vibration seat

Shoulder
protection

JUNGHEINRICH

Three adjustable travel programs for every application. The programs can be changed at any time by the operator.

Profile 1: For transporting especially sensitive goods or driving in sensitive environmental conditions.

Profile 2: For average speeds and maximum uptime.

Profile 3: For maximum acceleration, travel/lift speed and throughput.

For any working environment. Select from a range of different driver's cabs.

If your trucks are frequently used outside, our driver's cabs offer your operators a comfortable working environment. Thanks to a wide range of equipment options (e.g. with optional heating or air conditioning system), there is an optimal solution for every season. And the modular design allows individual adjustments to be made to suit your applications.

You can choose from three designs:

- **Economy:**
For occasional outside use.
- **Comfort I:** For frequent outside use and a quick exit.
- **Comfort II:** Completely closed cab for optimum all-round protection.

Advantages:

- Unobstructed upward view. Windscreen and side windows are made of tinted single-pane safety glass (ESG).
- The side windows are sliding windows and offer maximum ventilation even at high external temperatures.
- Easy entry with wide angle to the door opening. A pneumatic spring makes it easier to open the door (lockable).







For every requirement.

You can be sure we have the right solution for you.

Switching option from 180° to 360° steering ensures the best steering response for the application (optional)

With the option of selecting steering between 180° and 360°, we can offer you the right solution for every application. Each type of steering has its own strengths. You can switch the steering mode at the touch of a button whenever required, even while driving. This allows you to adapt steering perfectly to match every application.

Automatic crawl speed with Drive Control (optional)

Drive Control limits acceleration and maximum travel speed (adjustable from 1.4 to 10 km/h). This increases safety when manoeuvring with a raised pallet in front of the storage rack, while still ensuring more sensitive manoeuvring during the work cycle.

Central sideshift at the push of a button (optional)

Simple, reliable and fast: The centralising of the sideshift is automatic. There is no time consuming "feeling your way" to the required position.

Weight control at the touch of a button (optional)

The weighing function informs the operator of the load weight on the forks. The weight (50 kg tolerance range) is displayed on the operator display at the touch of a button.

Fast, easy and reliable stacking and retrieval with Position Control (optional)

Just press the SNAP button: The lift speed is reduced briefly. Then the next racking beam is approached automatically and the load stops precisely at the required lift height. The correct height is detected either with or without a load.

Continuous monitoring of load capacity limit with Operation Control (optional)

To guarantee a reassuring feeling, the residual capacity is not to be exceeded: Operation Control ensures the

maximum permitted admissible load weight is never exceeded. The lift height and load weight are continuously monitored and displayed. When the limit capacity is reached, a warning tone sounds and a warning symbol lights up.

100% clear view with panorama roof panel (optional)

Maximum visibility: The panoramic roof panel without the interference of cross beams provides maximum clear visibility of the load and forks.

Individually tailored attachments (optional)

We offer attachments such as fork positioners and telescopic forks for your sector-specific applications. All attachments are mounted and meticulously tested in our factory, to ensure they provide maximum safety and reliability.

Impact protection with limit switch system (optional)

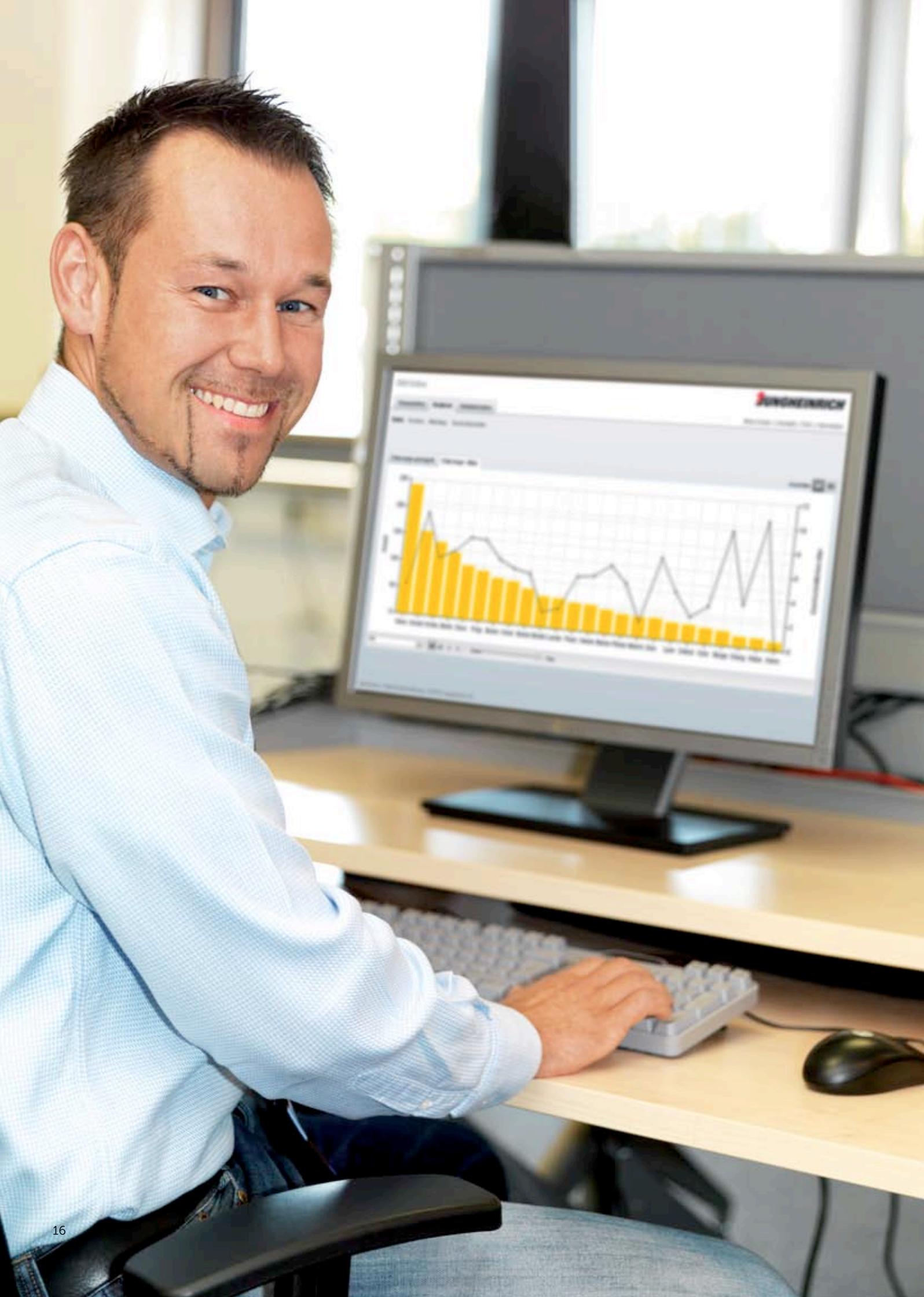
The limit switch system prevents damage to the load, support arms or forks for applications with attachments or wide loads. When being lowered, retracted or extended, the forks are automatically stopped in an end position, preventing a collision with the support arms.

Spotlights on the overhead guard for optimum visibility (optional)

LED working lights can be fitted to the overhead guard for working outside or in poorly lit warehouses. These are switched on and off by switch or selection of the direction of travel.

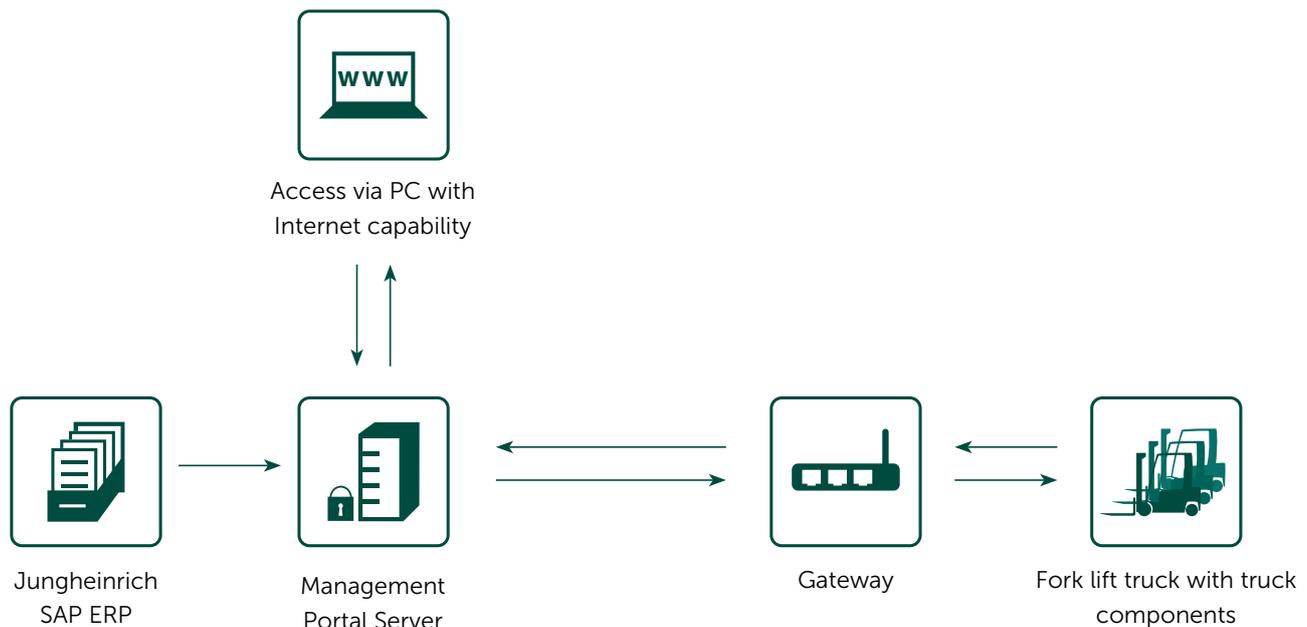
Wireless data processing (optional) for up-to-date stock details

Data radio connection allows for wireless data transfer. Radio data terminal with intuitive operation ensures error-free work in real time without paperwork.



Always up to date.

Check your fleet with ISM Online.



ISM Online for efficient fleet management

ISM Online is a Web-based information system for analytical collecting, monitoring and evaluation of data for a wide range of truck types. It can be used at multiple locations, internationally and is manufacturer independent. For maximum data transparency and the cost-optimised structuring of industrial truck fleets. Five different modules can be individually combined to lower operating costs and increase security in the warehouse:

Basic module

The Basic module helps you to gain an overview of all the equipment in your fleet at all locations. It provides reports on the number of trucks per location, on their ages and on total costs as of the reporting day.

Service module

Would you like a quick overview of pending, completed or overdue maintenance and safety checks? This module provides you with all the dates in good time via the management portal, enabling them to be scheduled accordingly.

Operating Costs module

Would you like to see a detailed account of costs and an overview of billing documents, service reports and operating hours? Then this is just the right module for you.

Safety module

This module will help you to increase safety in your warehouse while simultaneously reducing costs for impact damage due to access control, operator management and shock recording. Truck configuration is performed online via a PC.

Productivity module

Would you like to make your fleet even more productive and find out how your industrial trucks are being used? This module provides you with reports that will do just that. You can evaluate truck usage and optimise the current use of the fleet.

For every budget.

The best investment.

BestInvest

Our reach trucks reduce your long-term operating costs by up to 20 %. With a wide range of technological and ergonomic advantages that reduce all of the expenses making up the Total Cost of Operations (TCO) to minimum levels, from purchase to disposal. We call this promise BestInvest. It helps you transform your costs into profitable investments. So that you can make the best total investment decision.

The right racking for the right truck

We can provide you with the complete solution for this: Integrated warehouse planning, where the racking and the trucks work "hand in hand" as parts of a single system. From project planning through CAD drafting to handover. From modular racking systems through system platforms to high-bay racking. From consultancy through installation to service. We offer a one-stop shop.

Service with the manufacturer's expertise

Benefit from our service. Benefit from the manufacturer's expertise. With our full-service agreements or individually customised maintenance intervals and original spare parts. Our service always adapts flexibly to your specific application and provides you with long-term investment and planning security. Thanks to the comprehensive service network and our superbly trained engineers, our direct sales ensures rapid response times, minimum downtimes and low operating costs overall.

In-house financial services

We offer you a wide range of tailored solutions to suit your commercial, financial and balance sheet requirements – even if these should change over time. This will allow you to keep on the move and respond flexibly. Your area sales manager will be happy to work out which solution is best suited to your needs.

Double digit decrease in CO₂ emissions over 10 years

We have drastically reduced the CO₂ emissions for our entire truck range over the last ten years. By more than 25 % for electric and diesel/LPG fork lift trucks. and by more than 35 % for medium/high level order pickers and narrow aisle/reach trucks. We have done this with a series of technological innovations which are setting current standards in CO₂ output.

Significantly reduced CO₂ emissions also mean significantly reduced energy costs.

Our entire product cycle now features technological innovations for reducing CO₂ emissions, from manufacturing through usage to reconditioning. And our high-tech solutions are really setting standards in the usage phase, which is where more than 80 % of all emissions occur. You can easily use this advantage to your benefit, immediately reducing your energy costs considerably while simultaneously achieving maximum throughput rates. www.jungheinrich.com/oekobilanz

TÜV-certified product life-cycle assessment

TÜV-Nord has systematically analysed the life-cycle assessment and certified it in accordance with DIN EN ISO 14040, giving us the environmental rating "Geprüfte Produkt-Ökobilanz" [Certified Product Life-cycle Assessment].





ISO 9001 The German production facilities
ISO 14001 in Norderstedt, Moosburg
and Landsberg are certified.

 Jungheinrich trucks
conform to the European
Safety Requirements.

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