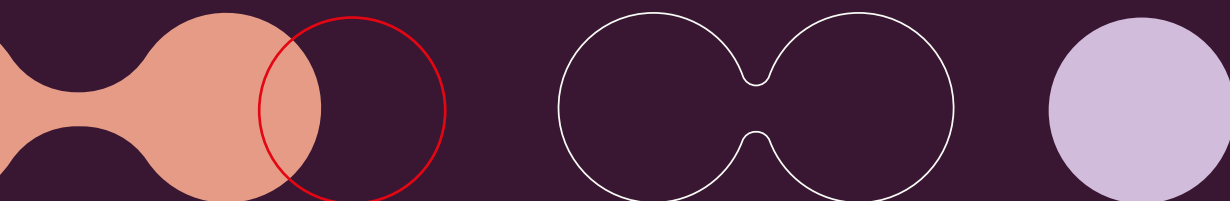


Making every move count

Our complete offering



At Kalmar we are making every move count

The logistics industry is transforming to meet the challenges of our world. At Kalmar, we are at the cutting edge of this transformation, setting the bar for excellence through our decarbonisation portfolio, extensive service offering and deep-rooted expertise.

Each of our customers is on a journey – we're with them every step of the way. We provide state-of-the-art solutions and lifetime care, ensuring partnerships that last far beyond the point of sale. With our global reach, we can be wherever we are needed to help our customers move towards improved safety, sustainability and productivity. Sustainability is at the core of what we do.

Through electrification, automation and digitalisation, we innovate with purpose – combining vision with pragmatism for a positive impact on our business, people and the planet. As trusted net-zero partners, we support and accelerate our customers on the journey to achieve their sustainability targets. In everything that we do, we are powered by operational excellence, equipped by our inclusive culture and continuous focus on profitable growth.

Our talented teams are empowered, energised and ready to advance our partners' success, and move the world further. Together, we're making every move count.

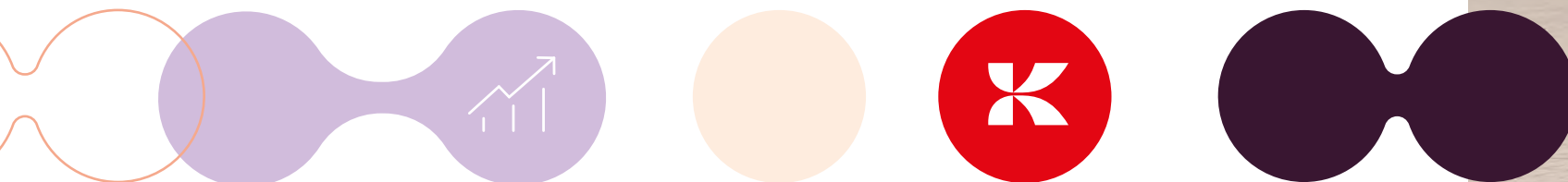
Your preferred partner

We help our customers move heavy materials in critical supply chains around the world.

By continuously supporting our customers around the world as they are developing their operations towards safe, decarbonised and efficient supply chains, we strive to be our customers' preferred partner in all their heavy material handling needs.

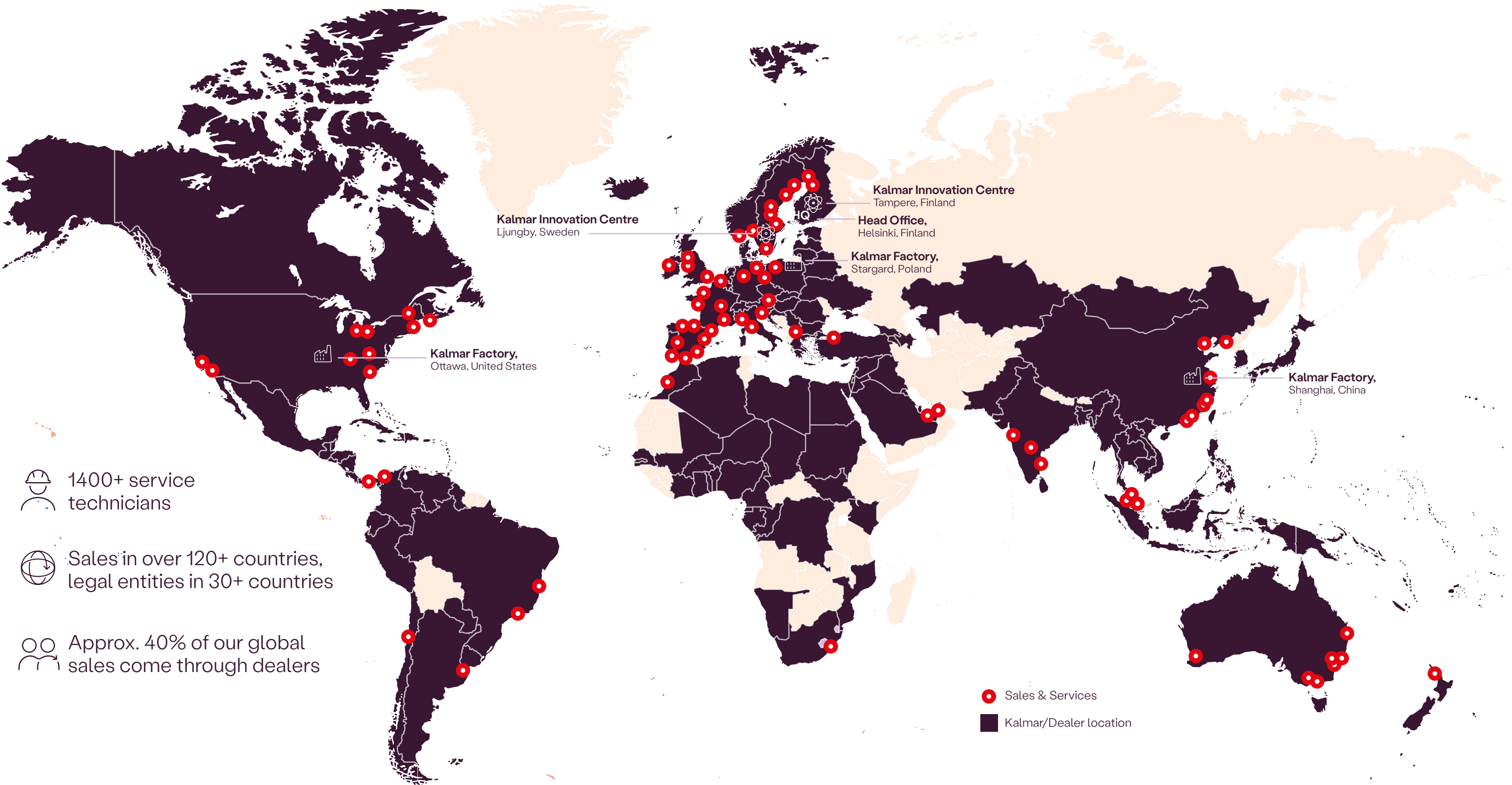
We offer a wide range of industry shaping heavy material handling equipment and services to:


- Ports and Terminals
- Distribution Centres
- Manufacturing
- Construction
- Wind and energy
- Mining and metals
- Forestry, wood and paper.



Global reach, local presence

With over 5,200 people, in over 120 countries we are there to support you wherever you are in the world. Based in Helsinki Finland, we have innovation centres of excellence in Ljungby Sweden and Tampere Finland, and manufacturing hubs in Poland, the USA and China. All supported by our 1,400+ team of experienced service technicians and our ever expanding list of Dealers around the world. Wherever you are, we will always be close by.



-  1400+ service technicians
-  Sales in over 120+ countries, legal entities in 30+ countries
-  Approx. 40% of our global sales come through dealers

 Sales & Services

 Kalmar/Dealer location

Our offering



A complete range of equipment

We offer a wide range of terminal tractors, reachstackers, forklift trucks, empty container handlers and straddle carriers. You will get a choice of handling capacities and power sources which can be matched to your operational needs.



Parts and services

With our global network of more than 1,400 service technicians and an extensive range of spare parts, maintenance, lifecycle and digital services, we can help maintain and improve your equipment uptime and optimise your operations throughout its entire lifecycle.



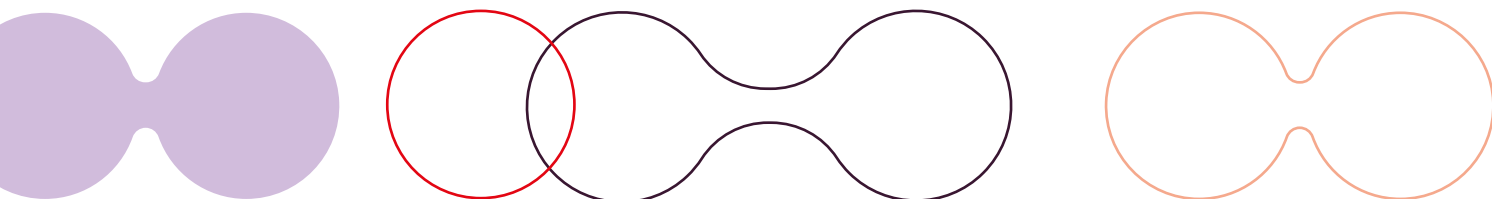
Automation and robotics

Our automation and robotics offering which includes automation systems, applications and support services that can help you maximise your performance and improve safety and sustainability across your operations.



A focus on electrification

With more than 50 years of experience in electrification, Kalmar launched its fully electric portfolio in 2021, consisting of a wide range of material handling equipment from the electric reachstacker to the heavy, medium, and light forklifts, empty container handlers, terminal tractors as well as straddle carriers.



Our equipment range

We provide an extensive range of highly efficient, reliable and safe empty container handlers, forklift trucks, reachstackers, straddle carriers, terminal tractors, with customisable service packages, genuine parts and the ability to optimise the performance of your entire fleet with MyKalmar INSIGHT.



Empty container handlers

It's about productivity and speed

The pressure on today's container terminals is exceeding the wildest expectations. To increase terminal profits under these circumstances you have to increase your productivity.

One important factor to improve productivity is driver performance and comfort which is why Kalmar is focused on delivering the best, most ergonomic driver experience for your operators. As we know a comfortable driver is a happy productive driver.

Coupled with a choice of highly efficient drivelines, lifting capacities and stacking heights you know your Kalmar Empty Container Handler will be reliable and safe machines that can deliver on the productivity you need.



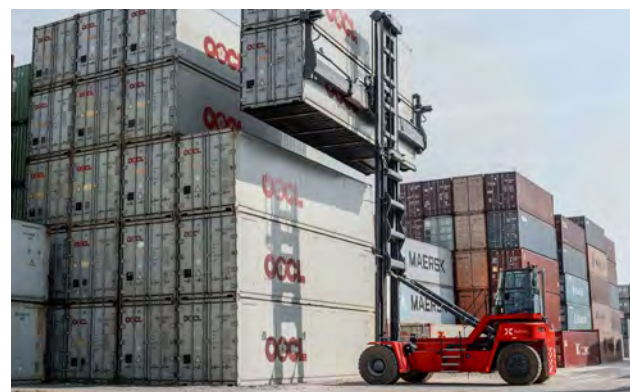
Electric Empty Container Handler ECG90-110

Our range of electrically powered empty container handlers produce zero emissions at source and can lift one or two empty containers up to 11 tonnes in weight, placing them up to 8+1 high. With a choice of lifting heights and weights, battery solutions and charging options you can design a machine that is right for your business.



Electric Empty Container Handler ECG70

The Kalmar all-electric Empty Container Handler ECG70-35E3/E4, the first of its kind available, will lower your fuel costs and help you exceed emissions standards today and in the future, without compromising on operational power. With the ability to stack up to 4 high and a choice of battery technologies, you will get a clean lift every time.



Empty Container Handler DCG80-110

You can choose from a range of single container stackers with 8, 9, 10 and 11 tonnes lifting capacities and a range of stacking heights from 4 to 8-high. Double container stackers are also available with 10 and 11 tonnes lifting capacities, with stacking heights from 4+1 to 8+1-high. Plus, there is a wide selection of drivelines and performance levels that you can match to your individual container handling needs.



Empty Container Handler DCU80-100

The Kalmar Essential Empty Container Handler gives you everything you expect from Kalmar, for a great price without compromising on quality. With a range of fuel efficient drivelines to choose from, you will reduce your fuel consumption by up to 10% while handling empty containers up to 10 tonnes in weight efficiently and safely. The Kalmar Essential Empty container Handler gives you more for your money.



Loaded Container Handler

Our Top Loaders or Lift Trucks as they are more commonly known, deliver on so many fronts. They are reliable, safer and easier to maintain and operate, making them a top pick when considering a new lift truck for container handling. Able to lift up to 41 tonnes and stack up to 5 high they are a great choice for moving and stacking containers efficiently and safely.

Forklift trucks



Kalmar Forklift Trucks offer top-quality performance with lifting capacities ranging from 5 tonnes to an impressive 85 tonnes, give you a choice of power sources - either electric or diesel and there is a wide range of attachments for different lifting applications.

Kalmar forklifts have been designed to serve a wide array of industries, such as logistics, warehousing, steel, wood, metal, concrete, and wind turbine lifting and wind farm construction. Kalmar forklift trucks are renowned for their outstanding efficiency, safety, and reliability, all while maintaining low operating costs. Discover the advantages of Kalmar industrial forklifts, where outstanding performance meets cost-efficiency to take your operations to the next level.



Medium Electric Forklift Trucks 9-18 tonne

Kalmar's electrically powered 9-18 tonne forklift trucks will help improve the eco-efficiency of your operations while maintaining the highest levels of productivity and safety. With a choice of Lead Acid or Lithium-ion batteries and different charging solutions, we can work with you to design a solution that is right for your business.



Medium Forklift Trucks 9-18 tonne

The Kalmar DCG90-180 forklift truck is designed to offer you the best possible return on investment over its entire lifespan. Ideal for demanding applications such as steel and wood handling, this next generation forklift combines low fuel consumption and superior lifting performance with easy maintenance and excellent reliability.



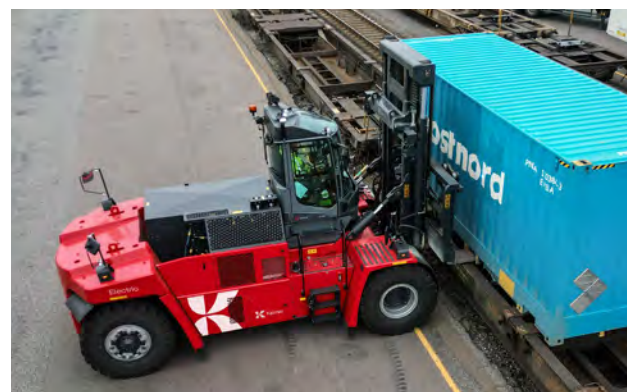
Super Heavy Forklift Trucks 60-85 tonne

The Kalmar DCG60-85 Super Heavy Forklift Truck is a powerful and versatile extra heavy lifter. Capable of shifting extreme loads of up to 85 tonnes, it can handle your super heavy loads with ease. These big lifters are ideal for the steel, concrete and other very heavy handling applications and industries.



Light Electric Forklift Trucks 5-9 tonne

The Kalmar ECG50-90 is a sound investment that can pay itself back in just two years, thanks to its high operational efficiency, low maintenance costs and long service life. With our latest generation electric forklift trucks, you get the best of both worlds - all the performance of a powerful diesel truck but without the emissions, noise or vibration.



Heavy Electric Forklift Trucks 18-33 tonne

Kalmar's electrically powered heavy forklift trucks can help improve the eco-efficiency of your operations while maintaining the highest levels of productivity and safety. The Kalmar Heavy Electric Forklift is ideal for lifting loads from 18-33 tonnes for the metal, forestry, concrete, automotive, energy and container sectors.



Heavy Forklift Trucks 18-54 tonne

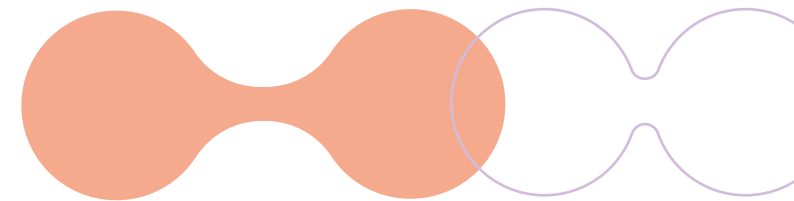
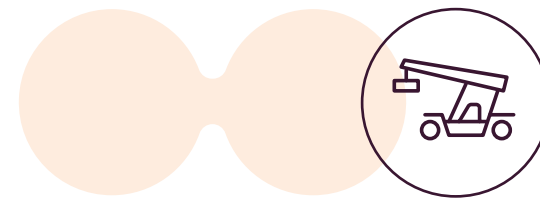
The Kalmar DCG18-54 range is ready to take on your most challenging lifting requirements and offer you everything you need in a real heavy lifter. These powerful trucks are trusted by customers all around the world and known for their reliability, flexibility and precision in a wide variety of terminal and heavy industry applications.



Essential Forklift 10-18 tonne

The Kalmar Essential Forklift, DCG100-180 gives you everything you expect from Kalmar, a quality build, high levels of availability and excellent operational efficiency, for a great price.

Reachstackers



Reach new heights of productivity

Kalmar Reachstackers are designed to help your operations – and your entire business reach new heights of productivity.

Combining our long experience in material and container handling with our innovative cargo handling technology, our extensive range of reachstackers offer high performance throughout the entire operating cycle, user-friendly operation, low running costs and excellent environmental performance.

We offer the industry's widest equipment portfolio, with models for every type of application. With more than 10,000 Kalmar Reachstackers currently operating in over 160 countries around the world, they are a heavy lifter you can rely on.



Electric Reachstacker

With an electric powered driveline your drivers will notice a big difference with faster and smoother acceleration and more responsive handling while still being able to lift up to 70 tonnes efficiently and safely. With a range of modular battery options and charging choices, we can work with you to design a solution that will deliver for your business.



Super Gloria Reachstacker

The Kalmar Super Gloria Reachstacker is a real heavy lifter, able to handle loads up to 130 tonnes when working solo or over 260 tonnes when working in tandem with another Super Gloria Reachstacker. This reachstacker can be fitted with a number of different attachments, which makes it suitable for a variety of different industrial applications.



Essential Reachstacker

The Kalmar Essential Reachstacker gives you everything you expect from Kalmar, a quality build, you get more for your money without compromising on quality. With a range of fuel efficient drivelines to choose from, you will reduce your fuel consumption by up to 20% while handling fully laden containers up to 45 tonnes in weight.



ECO Reachstacker

Increasing fuel costs and tougher carbon emissions standards means you need a reachstacker that is more fuel efficient while still maintaining the highest levels of operational productivity. The Kalmar Eco Reachstacker provides you with an eco-efficient solution that is guaranteed to use significantly less fuel, cutting your fuel costs and reducing your carbon emissions.



Gloria Reachstacker

From container handling to industrial, intermodal, and barge applications, the Gloria Range of reachstackers is the result of all the years of experience we've gathered since we pioneered the world's first commercial reachstacker in the 80s. Our latest range of reachstackers has been designed to handle loads up to 70 tonnes efficiently and safely.



Heavy Duty Range

Kalmar in partnership with CES has just extended your heavy duty lifting capabilities to titanic proportions. This new range has lifting capacities from 120 tonnes to 380 tonnes with more capacity, at longer load centres, with more outreach and increased lift heights that is mobile, versatile and ideal for the wind, energy, metal, concrete and other super heavy lifting applications.



Empty or Semi Laden Container Handlers

The Kalmar Reachstacker DRG100-140 has been specially designed to handle empty and semi-laden containers up to 14 tonnes in weight, stacking them up to eight high and three deep. This reachstacker is able to handle a wide variety of containers precisely, efficiently and safely even in confined spaces.

Straddle carriers

For ports of the future

Kalmar Straddle Carriers can provide you with a single flexible solution for container handling across your operations.

They are able to work in any part of your yard no matter what its shape, allowing you to maximise the space you have and reduce your capital costs, as one solution can handle many of your container handling processes. We offer two types of Straddle Carriers:

Straddle carriers for end-to-end terminal operations

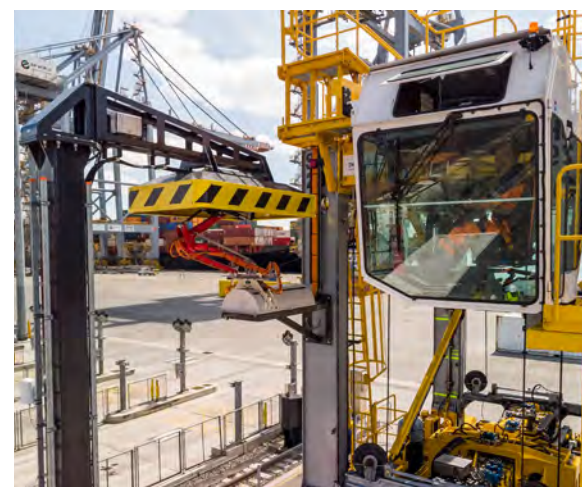
When you need a single solution for all your container handling needs end-to-end, Kalmar Straddle Carriers provide you with the ultimate flexibility. Not only can Kalmar Straddle Carriers operate effectively in any part of your yard, they can also operate in any shaped yard. Allowing you to optimise the usage of the space you have available.

Straddle carriers for shuttle operations

Kalmar Straddle Carriers for shuttle operations enable you to decouple your container movements from quayside to landside, allowing your cranes to operate at their optimal best at all times. They are able to pick and place containers directly on the ground, so other cranes are never kept waiting and are free to get on with their main job, moving containers.

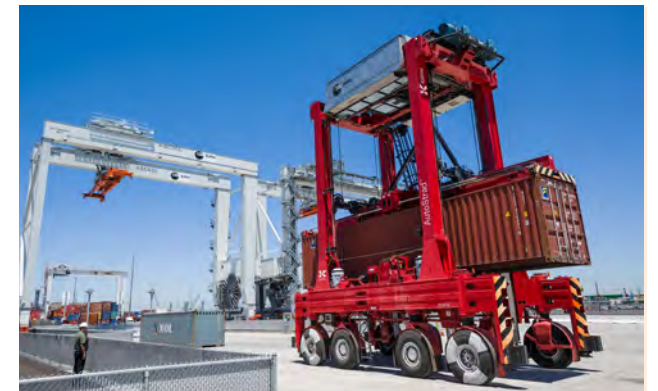
Kalmar FastCharge™

The Kalmar FastCharge™ System for charging Electric Straddle Carriers in your yard uses strategically placed pantograph charging stations to opportunity charge your battery quickly during idle or downtime in your regular workflow, so your straddle carrier can stay in operation for a full shift. CCS charging at a FastCharge station is available as an option, if required.



Electric Straddle Carrier

The eco-efficient Kalmar Electric Straddle Carrier range produces zero emissions at source and can operate as an end-to-end solution in any shaped yard or as a shuttle system between the quayside and your stacks. You have a choice of battery and charging options, with CCS charging fitted as standard. Making Kalmar Electric Carriers the ideal solution for ports of the future.



AutoStrad™

The Kalmar AutoStrad™ application, powered by Kalmar One Automation System allows you to automate your container handling at your own pace, giving you the freedom to choose the level of automation that is right for your business. Our entire range of Straddle Carriers can be factory fitted or retrofitted to be automation ready.



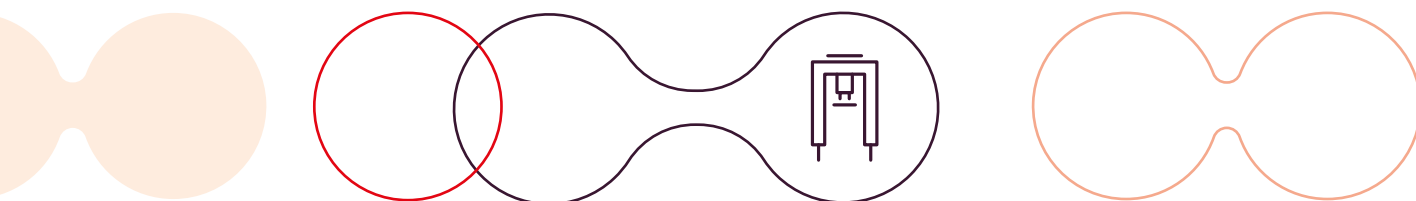
Hybrid Straddle Carrier

The Kalmar Hybrid Straddle Carrier is able to reduce your emission by up to 40% by using a regenerative power system coupled with a highly efficient diesel engine that uses less fuel. You will also benefit from lower noise levels as both our battery powered and hybrid machines are incredibly quiet. It is an ideal choice for cost-conscious and eco-friendly businesses in the industry, making your container handling operation more competitive.



Diesel-Electric Straddle Carrier

A Kalmar Diesel-Electric Straddle Carrier offers proven performance, excellent fuel efficiency, low noise levels and is known for being very reliable and extremely safe to operate. Featuring a diesel-electric drive, this straddle carrier complies with the latest exhaust emission regulations without compromising on power.



Terminal tractors



Leading the way since 1958

Kalmar, the world's leading manufacturer of terminal tractors (or shunt trucks), has been at the forefront of designing tailored solutions for businesses worldwide since 1958.

With an impressive track record of delivering over 80,000 units of shunt trucks, we have continuously refined our offerings to meet the ever-evolving needs of various industries, including ports, container terminals, warehouses, distribution centres, industrial sites and intermodal applications.

Our high-performance terminal tractors, also known as shunt trucks or yard spotters, are designed for efficient trailer movement and seamless cargo handling. Equipped with advanced technology and innovative features, our Kalmar shunt trucks streamline short-haul logistics, minimising turnaround times and maximising trailer transportation.



Ottawa T2EV Electric Terminal Tractor*

Never compromising on safety or productivity, the Kalmar Ottawa T2 EV is designed to the safety standards that you expect from every Ottawa truck. With a choice of lithium-ion battery technology and CCS1 DC fast charge technology fitted as standard, you can recharge your chosen truck quickly, reducing any downtime and maximising availability levels.



Ottawa T2 Terminal Tractor

The Kalmar Ottawa T2 Terminal Tractor is designed to bring order, control, and efficiency to your trailer handling, it combines superb power, functionality, and performance with excellent ergonomics and easily accessible maintenance points. It features faster fifth-wheel lifting and lowering - to speed up your trailer handling, which is critical in today's fast-paced work environments.



Auto TT™

Kalmar in partnership with Forterra is developing our first fully autonomous terminal tractor. Kalmar's autonomous terminal tractor will be able to operate safely and efficiently in your yard in mixed traffic without having a driver onboard in all types of weather conditions.



T2i Terminal Tractor

Our smartest terminal tractor yet, as we have found many clever ways to improve your drivers' operating experience and the T2i's operational productivity. Expect reduced cabin noise, smoother gear changing, improved hydraulics so you can move loads quicker, and more responsive steering and braking, enabling your drivers to operate their terminal tractor more efficiently in any type of conditions.




Heavy & RoRo Terminal Tractor

Kalmar has made its pioneering i-model terminal tractors even better with improvements to lifetime durability and operator comfort. The result is robust reliability and excellent performance when moving heavy loads in any type of condition. The Kalmar TT618i (4x2) and TR618i (4x4) handle semi-trailers and terminal trailers for containers and roll trailers with goosenecks. For mega and jumbo trailers, the low-chassis TRL618i (4x4) has been specifically designed to handle mega and jumbo trailers.



Essential Terminal Tractor

The Essential Terminal Tractor is built on our tested and proven platform, so you get a reliable and robust machine that can handle the harshest of conditions. The cabin is fitted with an improved climate control system and has an adjustable seat and steering wheel to ensure your driver is happy and operating at their best. Our Essential Terminal Tractor is great value and is built to last.



Our support services and automation

With over 5,200 people, in over 120 countries we are there to support you wherever you are in the world.




Keep moving with Kalmar Services

To keep your business moving Kalmar Services offers a range of services that can help you keep your equipment moving optimally.

Kalmar Care™

Care that keeps your business moving.
With Kalmar Care you get a flexible service that's built around your business. Including, the experience and knowledge of Kalmar's dedicated staff, coupled with transparency and increased predictability of costs.

Kalmar Care is available in three different service models: our two customisable contracts – Essential Care and Complete Care – and our flexible solution On Demand Care.

Service models:			
	Essential Care A maintenance solution to keep your equipment in an optimal condition.	Complete Care A complete service solution providing piece of mind and maximum equipment uptime.	On Demand Care Top-of-the-line service whenever you need it.
Maintenance Planning	●	●	Top-of-the-line service whenever you need it
Preventive Maintenance	●	●	
Predictive Maintenance		●	
Corrective Maintenance		●	
Preventive Spare Parts	●	●	
Corrective Spare Parts		●	
Lubricants	●	●	
MyKalmar	●	●	
MyKalmar INSIGHT	●	●	
Tyre Maintenance		●	
Battery Maintenance		●	
	● Included	● Optional	

Kalmar Genuine Parts

Kalmar offers an extensive range of genuine parts that can either be ordered and purchased through the MyKalmar STORE or your local dealer.

At Kalmar, we know our equipment better than anyone else. Our product specialists, with their unmatched expertise, years of experience, extensive research, and comprehensive data, can be your best advisors. We don't just recommend which parts need

replacement—we also help you anticipate which parts will need to be replaced and when. With this knowledge, we ensure that you get the maximum performance and reliability from your equipment.

Kalmar Genuine Parts have been designed specifically for your Kalmar equipment and have been proven to cost less in the long run.



MyKalmar



MyKalmar

Keeping your cargo moving.

The MyKalmar portal brings together many of Kalmar's digital services into one place. With a single point of access and a user-friendly design you'll benefit from greater visibility and control over your maintenance activities, parts ordering and equipment performance - helping you improve your operational performance, safety and efficiency across your entire fleet.

MyKalmar STORE

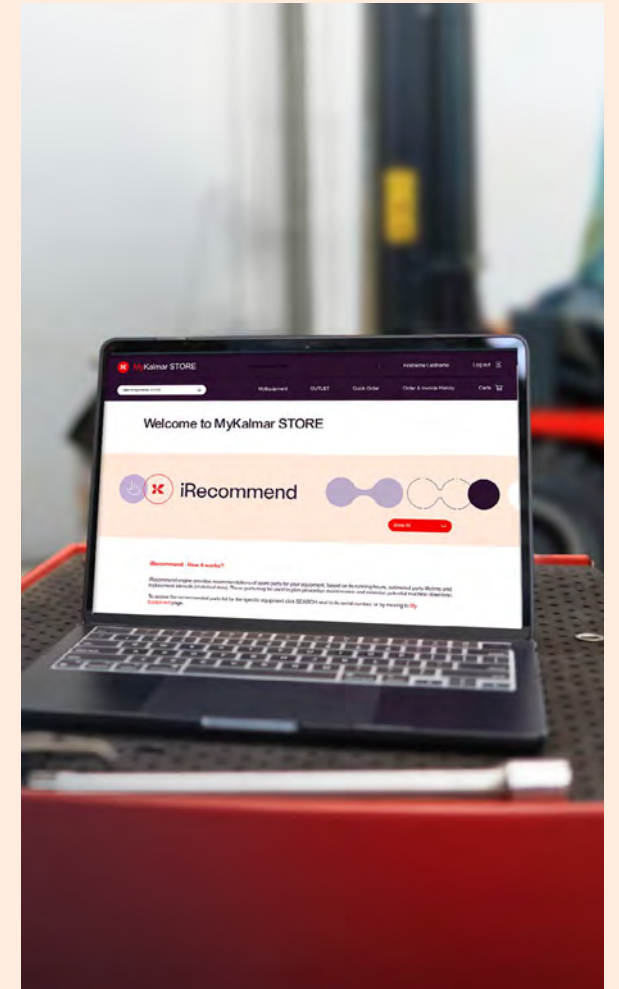
MyKalmar STORE is your one stop shop for all the parts you need which is accessible through MyKalmar. Open 24/7, accessible on any screen and available in different languages, MyKalmar STORE stocks 100s of thousands of Kalmar Genuine Parts at any given time and we can have them delivered quickly to you, no matter where you are in the world. You can search, order and then track your order all through the same application. MyKalmar STORE has been designed to make your life easier.



MyKalmar INSIGHT

Optimise your operations with Insight.

MyKalmar INSIGHT* is a performance management tool for cargo handling, which gives you an easy to use overview of your fleet operations, by aggregating data from multiple sources, including equipment built by other manufacturers. Review your entire fleet activities, schedule maintenance activities and order the required parts automatically. All enabling you to take action on real-time information, that will help improve your overall operations immediately. MyKalmar INSIGHT comes fitted and ready to be activated in all new Kalmar equipment, it can also be retrofitted into existing Kalmar equipment or those built by other manufacturers.



iRecommend

To help reduce your equipment downtime and keep your equipment running optimally we have developed iRecommend. iRecommend is a service within MyKalmar STORE that automatically provides you with a recommended list of parts to purchase for each of your machines. Based on our extensive knowledge and deep understanding of your equipment, coupled with the latest technology and data we are able to recommend what parts you should have on hand to perform regular maintenance tasks in advance.

By having the required parts on-hand you will be able to plan preventative maintenance activities in advance to minimise any potential downtime of your equipment. Saving you time and money.

*Installation costs and/or an annual subscription fee may apply.



Kalmar Modernisation Services

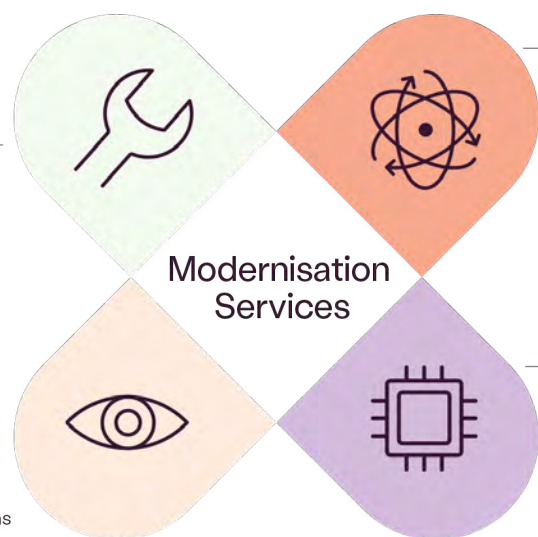
Kalmar Modernisation Services enables you to upgrade your fleet including Automatic Stacking Cranes (ASC), Rubber Tyred Gantry Cranes (RTGs), Rail Mounted Gantry Cranes (RMGs), Ship to Shore Cranes (STS), and Straddle Carriers and help maximise their performance. With our industry-leading experts and decades-long experience we can help you lower your fleet's total cost of ownership and adapt to your changing operational requirements.

Repairs & Refurbishments

- Equipment repair and refurbishments
- Key component repairs and remanufacturing
- Mobile crane bearings

Inspections

- Drone inspections
- Visual and functional inspections based on checklists
- Structural inspections



Modernisation

- Upgrades and retrofits equipment and subsystems for all equipment
- Power unit retrofits and electrification
- Control and drive system upgrades
- ISTS boom extensions and heightening

Automation & Digitisation

- Kalmar SmartPort Process Automation solution
- Kalmar Insight
- Equipment automation retrofits



Kalmar Equipment Upgrades

Kalmar Equipment Upgrades have been designed to help make your equipment more productive, safer to operate, more fuel efficient and meet regulatory requirements. All helping to keep your business one step ahead, by getting more out of your current equipment and extending their operational lifetime.

Kalmar Equipment Upgrades will help:

Improve your productivity.

By upgrading your equipment, you can extend the lifetime and usage of your current fleet while, saving you money in the long run and improving your productivity.

Improve safety.

We offer a range of equipment upgrades and training courses that can reduce accidents and improve the operational safety of your equipment for both drivers and non-operational staff and pedestrians.

Improve fuel efficiency.

Improve the sustainability of your operations without compromising on performance with a choice of upgrades that can help reduce your emissions and lower fuel consumption.

Meet regulatory requirements.

Keep up-to-date with the latest legislation with upgrades that help you comply with local and global regulatory requirements, extending the lifetime of your current fleet and delaying the need to invest in new machines.



Kalmar Used Equipment

Legendary reliability.

Moving heavy goods comes with a heavy responsibility, which is why you need a reliable and easy solution to match your productivity needs.

Kalmar's carefully inspected used equipment has the legendary reliability of a like-new machine - it just has more stories to tell. Rent or purchase, whichever is easier for you.

Why Kalmar Used Equipment?

We take pride in delivering a high-quality used equipment solution to you, which has been carefully inspected and fully optimised, for a low total cost of ownership. Kalmar's used equipment will also make your life easier, as you can access all the support your need from your local Kalmar Service Team.

Kalmar Equipment Rentals

Short term need?

Kalmar has a large stock of pre-owned equipment ready for short term rentals, including forklifts, reachstackers, empty container handlers and terminal tractors with a variety of lifting capacities and attachments.

With highly flexible terms, our rental solutions provide a worry-free answer to your short term needs.

Why rent a Kalmar solution?

- Short term rentals to fill short term gaps
- Extra equipment without any capital investment
- Helps to manage fluctuating demands
- Fully serviced and maintained during rental period
- Reliable, robust, quality equipment
- Large stock of equipment available today.

Financing options

You may choose to buy your equipment outright or consider leasing or renting your equipment. Kalmar offers a range of leasing and renting options that can give you the financial predictability you need and the option to upgrade your equipment after a fixed period. With our rental solutions you can focus on your core operations, while we perform all your service and maintenance needs required by your fleet. You just need to choose which leasing or rental package is right for your business. Kalmar can also help you with trading-in your old equipment.

No matter what your service and support needs are, make sure that you speak to your local Kalmar team first.

Kalmar Training

Enhance your skills

To get the most out of your new machine our training centre offers a range of courses for both your technicians and operators. Operators can be taught how to drive the machine for optimum performance and minimum waste, and to learn what needs to be checked daily for optimal safety. Technicians can be educated with the knowledge they need to keep your new equipment in top condition in a safe way. Courses are a mix of theory and hands-on experience.

Comprehensive training options

- Operator training
- System training
- Product training
- Technical training
- Eco Driving training.

Kalmar One: automation redefined

Kalmar One automation system is a flexible, scalable and open automation system with proven functionalities and well-established processes that will help you streamline and automate your operations. It offers a standardised open system that is compatible with all types of equipment irrespective of manufacturer, making it quicker, easier and more cost effective to deploy.

Each automated Kalmar equipment application - is powered by Kalmar One. Kalmar One contains automation and software products and modules that are standardised and harmonised for all different application types. Each of these applications has its standard blueprint of Kalmar One products, which allows us to offer and deliver the same proven and tested solutions to all our customers.

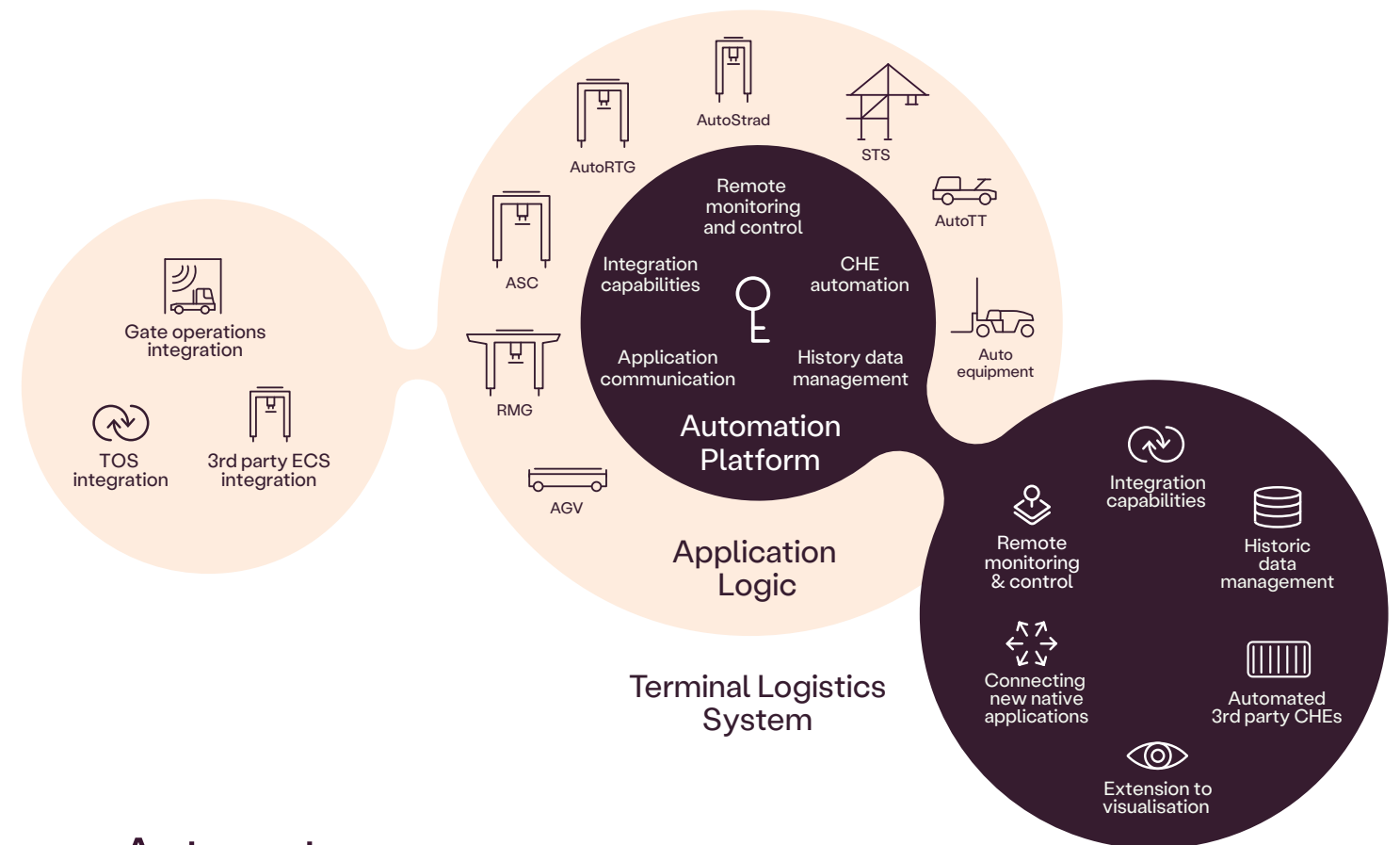
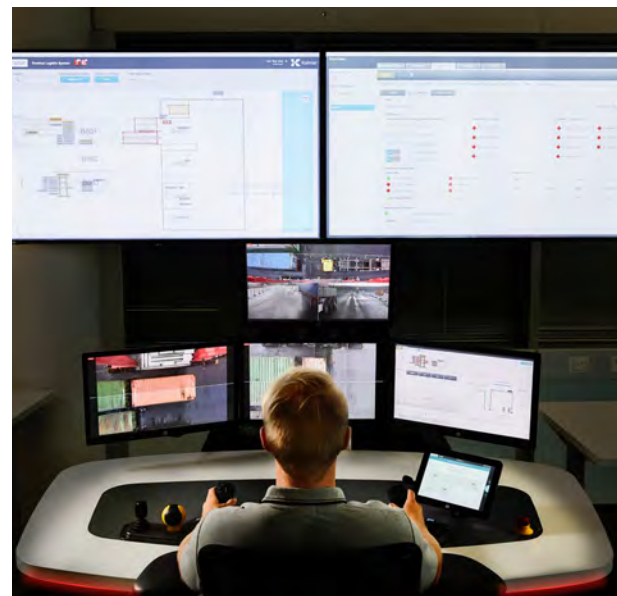
Safety in mixed traffic

Instead of having to create fenced off areas to separate your automated equipment from manual equipment, Kalmar has been a pioneer in the use of geo-fencing, where virtual boundaries are created using local satellite systems or ground based transponders set into the ground to create lanes. This allows for automated equipment to work safely within a designated geo-fenced area.



Operate your equipment remotely

The Kalmar One Remote Console has all the required functions, controls, information and guidance enabling your operators to control equipment remotely. It is quick, safe and easy to switch between equipment, allowing your operator to handle several machines at a time. In addition, the operator can manage semi-automated moves from the console, tracking the movement of each container and then prompting the operator when they need to take over or validate a move. Even if your operations are fully automated the console can be used for exception handling.



Automate your truck handling

External truck loading uses a truck lane laser measurement system that pinpoints the exact locations of the truck trailer's twistlocks, chassis or container so that the crane can lift and place the container efficiently and safely. Automated truck handling can work with trailers with twistlocks, internal chassis and cassettes up to 4 TEU long. Both coupled and decoupled operations can be supported.



Kalmar Key

Kalmar Key provides a set of open automation interfaces that will allow you to build a complete end-to-end automation solution that is exactly right for your business by using Kalmar One as a common central automation system. With Kalmar Key, you will be able to choose who you work with and adopt an agile way to further develop the capabilities of your equipment and software, potentially with third-party developers.

With an equipment-agnostic approach, Kalmar Key enables a vast range of new applications and equipment to be connected for a total automation solution. Additionally, open interfaces enable a holistic view of data from multiple sources, allowing you to optimise your operations continually and with ease. Opening up your possibilities.

Kalmar SmartPort

Kalmar SmartPort is a set of process automation modules that can be deployed in your terminal to help move containers more efficiently and meet local regulations.

SmartPort can help track, route, and manage containers from the gate through to the quayside: optimising operational productivity, improving safety, security and raising equipment and personnel utilisation rates. Lowering costs, improving security, and helping to meet local regulations.

Kalmar SmartPort offers a range of modules that can help improve the operational efficiency and safety of your operations and provide improved visibility to what is happening within your yard or terminal.



SmartStack

SmartStack automatically reports the position of every container within your stacks.



SmartQuay

SmartQuay registers container IDs automatically as they are unloaded from the vessel and captures any damage to the container.



SmartScreen

SmartScreen automatically displays a job list to the lift operator and confirms when the container has been lifted or placed.



SmartTruck

SmartTruck automatically identifies road trucks and tracks their movement around the terminal by using either RFID technology or an app that can be downloaded by road truck drivers.



SmartTrack

SmartTrack provides greater functionality to SmartMap and SmartScreen enabling you to model any train down to the individual railcar or container in your yard.



SmartLane

SmartLane identifies all trucks and containers as they enter or exit the yard.



SmartLift

SmartLift provides an automated lifting schedule for crane operators so they know which container to move next.



SmartRead

SmartRead automatically captures container IDs while they are being handled.



SmartPath

SmartPath provides instructions to truck drivers on which stack a load should be moved to or collected from.



SmartMap

SmartMap for real-time and historical visualisation of equipment location and container routing in the yard.

Kalmar Automation Support Services

Kalmar offers a range of support services to help keep your automation software running smoothly.

Automation Software Updates, which are done quarterly and ensure your software has the latest fixes and enhancements.

Automation Remote Support, which allows you to address unplanned incidents or interruptions 24/7. On-site Automation Personnel Services, where we can offer additional resources to support your tech team in managing your automation software.

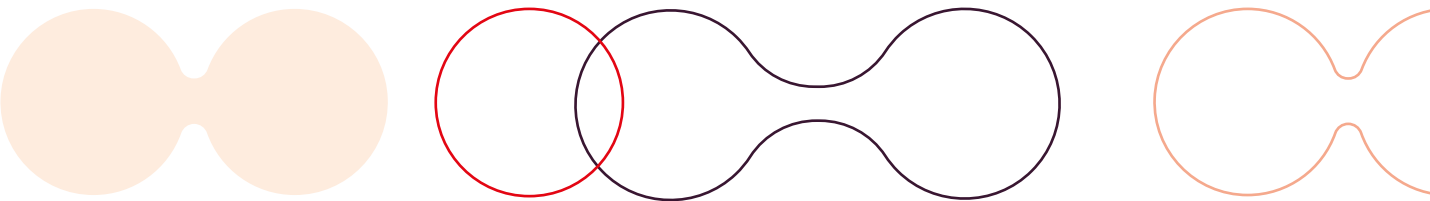
Automation Software Deployment is a tailored service that can assist your tech team with software updates, on-site deployment and can be extended to cover minor configuration changes to entire system upgrades.

Professional Services offers a vast range of automation support services from process optimisation to emulation services, training or customised automation solutions.



Kalmar Terminal Design Services

Building a new terminal, changing operational mode or renewing your current operations is a demanding and risky task, which is why you want a knowledgeable and experienced partner. Kalmar Terminal Design Services, with over 250 projects delivered globally in the last 15 years, provides a full range of design services to help you realise your ambitions and improve the capacity and flow of cargo through your terminal.



Making every
move count





Kalmar

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