



REEFER RACKS

HIGH-END COMPLETE STEEL
SOLUTIONS FOR SAFE AND
EFFICIENT REEFER STORAGE

*QUICK, SIMPLE, AND SAFE SELF-ASSEMBLY - DESIGNED FOR
PORTS, TERMINALS, AND COLD LOGISTICS ENVIRONMENTS*



Severfield



YOUR TRUSTED PARTNER FOR COMPLETE REEFER RACK SOLUTIONS

As one of Europe's leading structural steel specialists, Severfield Steel Construction Netherlands delivers high-end complete steel solutions for the logistics and cold storage sectors.

Our reefer racks are designed to optimise space, enhance operational efficiency, and ensure the safe and reliable storage of temperature-controlled containers. Backed by decades of engineering expertise and a proven track record in large-scale infrastructure projects, Severfield combines precision design, high-quality fabrication, and sustainable construction practices to meet the demanding standards of modern logistics.



ENGINEERED FOR MAXIMUM OPERATOR PROTECTION



TRUSTED BY THE WORLD'S LEADING TERMINALS



FLEXIBLE AND ADAPTABLE



CERTIFIED HIGH-END SOLUTIONS



TOTAL PROJECT PARTNER: FROM DESIGN TO INSTALLATION



SAFETY

Engineered for maximum operator protection

Reefer racks are designed to provide a safe and secure environment for both personnel and equipment during the operation and connection of refrigerated containers. By combining robust steel construction with thoughtful design, Severfield's reefer racks ensure maximum stability, durability, and operator safety, even in demanding port environments and under heavy operational loads. Every installation meets the highest quality standards, with designs developed in accordance with EN 14122 for safe access and operator protection, so your teams can work safely, efficiently, and with confidence 24/7.



**SAFE, EFFICIENT ACCESS TO ALL
CONTAINER LEVELS - NO LADDERS
NEEDED, JUST ENGINEERED
WALKWAYS DESIGNED FOR
EMPLOYEE PROTECTION**



**250 REEFER RACKS INSTALLED IN
MAJOR PORTS AROUND THE WORLD**



GLOBAL REFERENCES

Trusted by the world's leading terminals

We have successfully delivered and/or installed over 250 reefer racks and more than 325 tunnel passages in various configurations, from single-sided to double-sided versions, tailored to the specific needs of our clients. We partner with leading terminals such as APM Terminals, DP World, CLIP Group, and Lineage, delivering infrastructure built to the highest international standards.



MODULAR SOLUTIONS

Flexible, adaptable, and built for changing operational needs

Our reefer rack systems are engineered for maximum flexibility and optimal space utilization. The modular design enables every installation to be easily adapted, dismantled, relocated, or expanded as your operational requirements change. By allowing vertical stacking of refrigerated containers, the design significantly increases storage capacity without expanding your site's footprint. Whether you're increasing capacity or reconfiguring layouts, the system minimizes disruption and maximizes efficiency - giving you complete control over your infrastructure growth.



**CUSTOMISABLE WIDTHS WITH NO
LIMIT AND HEIGHTS OF UP TO FIVE
CONTAINER TIERS.**

ISO 9001

We operate under the ISO 9001 quality management standard, ensuring consistent quality across all processes and projects. This certification reflects our commitment to continuous improvement, customer satisfaction, and the highest standards of operational quality.



QUALITY & CERTIFICATION ☆

Certified high-end solutions, engineered for lasting performance

Every reefer rack is engineered and manufactured in-house to meet the highest structural and safety standards. Each system carries CE marking and complies with the latest European regulations, ensuring reliability and long-term durability. From precision fabrication to final inspection, Severfield upholds rigorous quality control, delivering steel solutions built to perform year after year.



TOTAL PROJECT PARTNER

From design to installation: a complete approach

At Severfield, we deliver comprehensive and flexible solutions tailored to your project's specific needs. Our scope can range from complete delivery, including design, engineering, transport, assembly, and commissioning, to collaborative arrangements where your team manages selected phases, such as assembly and delivery. In every case, our experts ensure precision, quality, and dedicated technical support from start to finish.



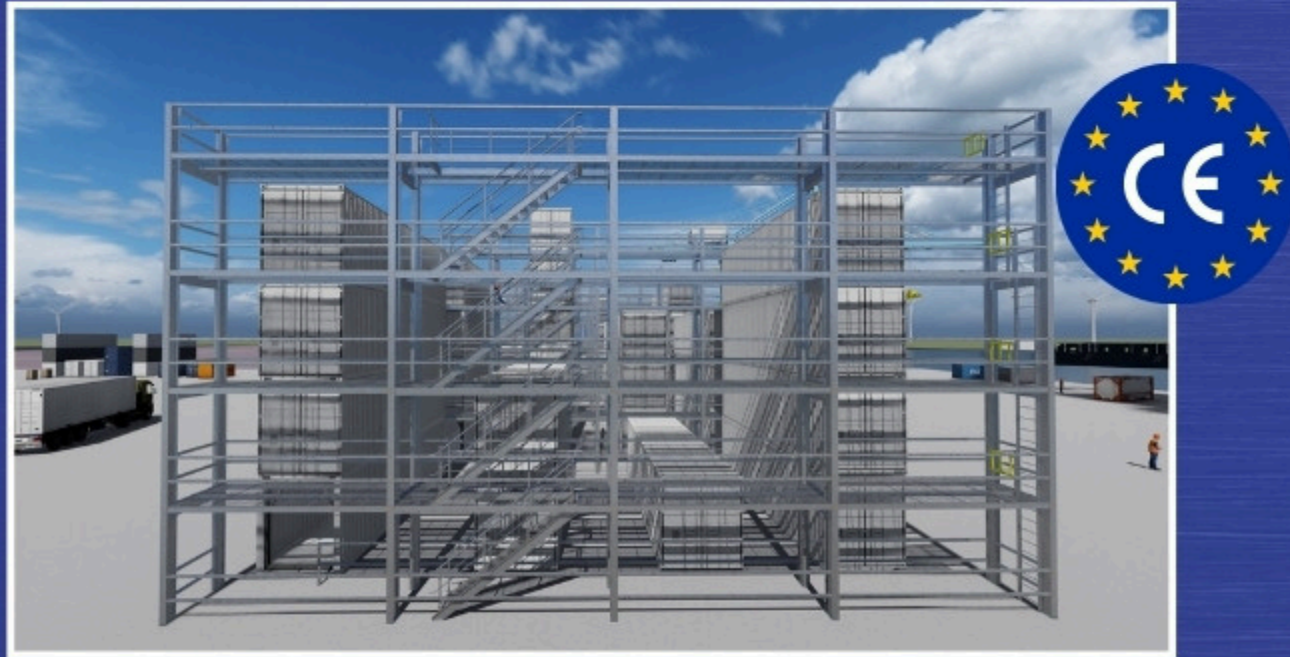
BIM-BASED ENGINEERING

Through BIM-based engineering and digital project coordination, we deliver exceptional precision, build quality, and integration with your existing infrastructure. Our digital approach enables early clash detection, efficient planning, and smooth on-site execution. With a single point of contact throughout the process, communication stays clear and efficient, ensuring collaboration and a seamless experience from concept to completion.

OUR REEFER RACK RANGE

DESIGNED TO FIT YOUR OPERATION

REEFER RACK CORE



REEFER RACK PLUS



STANDARD PRODUCT FEATURES

- ✓ Manufactured in accordance with European standards and supplied with full CE marking.
- ✓ Galvanized, modular, and fully demountable construction
- ✓ Available in single- or double-sided configurations to suit your site layout.

FIND YOUR PERFECT FIT - COMPARE BOTH MODELS



REEFER RACK CORE

Flexible. Scalable. Built to grow with your business.

The Reefer Rack Core is a versatile, future-ready solution designed to scale alongside your operations. Its modular layout and demountable design allow for easy expansion or relocation, making it ideal for growing businesses and facilities that require adaptable infrastructure. The Core model offers reliable performance and exceptional flexibility - the perfect choice for small to mid-sized operations preparing for future growth.

Configuration options:

- ↔ Layout width: Fully customizable to your operational needs
- ↑↓ Layout height: Up to five container tiers
- 🚛 Transport compatibility: Available in configurations designed specifically for container crane operations with single-sided plug-ins or straddle carrier operations with double-sided plug-ins.
- ♻️ Material option: Available in sustainable steel, reducing up to 150 kg CO₂e per container compared with conventional steel

Price: From €29,600



REEFER RACK PLUS

Strong. Reliable. Built to perform in major logistics and terminal operations.

As the premium model in our reefer rack range, the Reefer Rack Plus combines robust design with advanced protective features. It builds on the proven modular flexibility of the Core model, delivering even greater protection for operators who demand uncompromising performance.

Unique features:

- ✓ Integrated roof for vital protection against falling debris in busy port environments
- ✓ Additional safety elements, including facade gratings, protective barriers, and an extra access ladder

Configuration options:

- ↔ Layout width: Fully customizable to your operational needs
- ↑↓ Layout height: Up to five container tiers
- 🔗 Material option: Available in sustainable steel, reducing up to 250 kg CO₂e per container compared with conventional steel

Price: From €45,100



Looking for custom specifications or tailored designs?

Please contact us to discuss different solutions to meet your project's specific requirements.

OPTIONAL SERVICES

At Severfield, we provide complete end-to-end steel solutions for reefer storage systems, covering everything from design and engineering to production, with optional delivery and on-site assembly. Our expertise ensures safe, sustainable, and flexible infrastructure for ports, container terminals, and cold logistics facilities worldwide.

ASSEMBLY & SUPERVISION

Our certified technicians can perform on-site assembly of your reefer racks, ensuring a fast, efficient, and safe installation process. To guarantee the highest standards of quality and safety, we also offer on-site supervision by experienced Severfield specialists. Depending on your project needs, we can provide full installation teams or assign a single supervisor to guide and coordinate local assembly crews. Each system is installed to meet strict safety requirements and delivered on schedule, even in the most demanding terminal environments.

DELIVERY & TRANSPORT

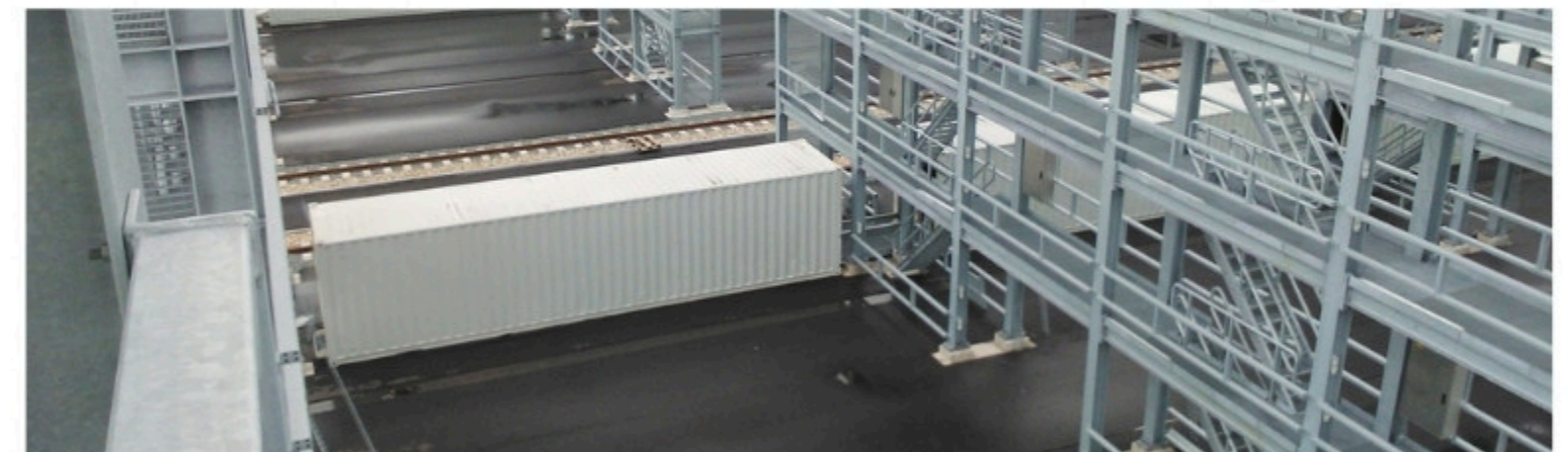
Our logistics team can coordinate the complete delivery and transport of your reefer rack system. All components are securely packed and shipped in optimized loads to ensure safe handling and efficient assembly on site. From factory dispatch to final delivery, every stage is carefully managed to guarantee smooth execution and on-time arrival, even in the most demanding logistics and terminal environments.

OPTIONAL ADD-ON

To complete your reefer zone, we also offer safety walk tunnels, ensuring safer operations and uninterrupted reefer rack access for personnel.

REEFER RACK SAFETY TUNNELS

Our reefer rack safety tunnels provide secure, protected access for personnel working between reefer racks. This eliminates the need for terminal staff to cross stacking areas where moving equipment may pose safety risks. In addition to enhancing operator safety, the tunnels are structurally designed to support reefer containers placed above them, ensuring minimal impact on terminal capacity - with each tunnel only accommodating two TEU positions.



MARKET SECTORS

Our reefer racks serve a wide range of industries within the global cold chain and logistics network.



Ports and container terminals



Cold storage depots



Food & pharmaceutical distribution centers



Intermodal hubs

Step 1 - Understand

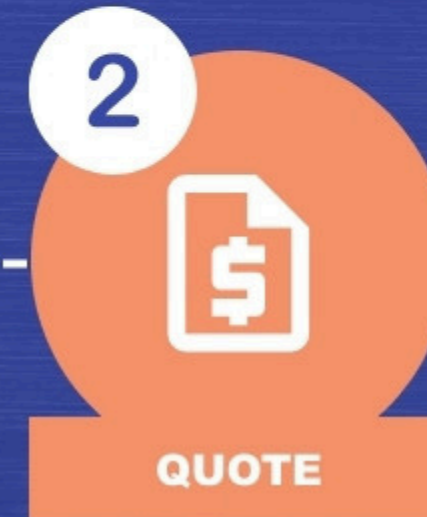
In an introductory meeting, we map out your wishes and requirements based on your logistics plan and the infrastructure on site. We will quickly draw up a customised plan for you. The responsible Sales Manager supervises the entire sales process. All processes from design to completion are seamlessly coordinated with one another.

Step 3 - Engineer

Together with the project team, the Project Manager supervises the entire process. During the engineering phase, all projects are elaborated in our BIM Management System. In this model we process geometry, profile properties, connection types and materials of the construction.

Step 5 - Deliver

As an option, we transport your products to the construction site. You can also opt for assembly or supervision at the construction site. Our own certified assembly teams are happy to take care of this. We are only satisfied when everything has been delivered to your satisfaction.



YOUR REEFER RACK SOLUTION IN 5 STEPS

Step 2 - Quote

After we have assessed your wishes, our Sales Engineers start calculating. Thanks to our standardized working method, we can quickly provide you a quotation. For specific wishes or customization during the quotation phase, our structural and BIM engineers look for smart alternatives and efficient solutions.

Step 4 - Produce

Once the project is fully developed and the materials are known, we start production. Production takes place in our modern production locations and by means of an automated machine park. We can demonstrate the quality of the services and products provided through our certifications.

APM TERMINALS NETHERLANDS

For APM Terminals at Maasvlakte II in Rotterdam, the Netherlands, Severfield Steel Construction supplied and installed 80 high-quality reefer racks, including 168 safety tunnels for enhanced personnel protection. The project also involved civil and electrotechnical works, carried out to the highest industry standards. Located on a 167-hectare site, the terminal is one of Europe's most advanced facilities, with a future handling capacity of up to 4.5 million TEUs (Twenty-Foot Equivalent Units).



Product type:
Reefer Rack Plus



Scope:
80 reefer racks, single sided plug-ins, 9x5 configuration



Services:
Assembly, supervision, delivery & transport



Additional products:
168 reefer rack safety tunnels



Location:
Rotterdam, Netherlands





Product type:
Reefer Rack Core



Scope:
30 reefer racks, single sided plug-ins, 7x5 configuration



Services:
Assembly, supervision, delivery & transport



Additional products:
38 reefer rack safety tunnels



Location:
Vlissingen, Netherlands



Lineage®



LINEAGE NETHERLANDS

For the automated container terminal of Lineage (formerly known as Kloosterboer Vlissingen B.V.), Severfield Steel Construction designed, supplied, and installed 30 reefer racks and 38 safety tunnels. Severfield managed the entire process, from structural design and engineering to production and on-site assembly, ensuring full integration and seamless project delivery. A key feature of the Kloosterboer Container Terminal is its impressive reefer capacity: with 1,020 active plug-in points, it is capable of powering a vast number of refrigerated containers simultaneously. The terminal handles approximately 250,000 TEU (Twenty-Foot Equivalent Units) annually, positioning it as a vital logistics hub for temperature-controlled cargo in the Netherlands.

APM TERMINALS MOROCCO

At the Port of Tangier, Morocco, Severfield Steel Construction supplied and installed 42 reefer racks and 44 safety tunnels for APM Terminals, one of the world's leading port operators. The project was carried out on behalf of the Willemen Group, which managed the full construction of this state-of-the-art terminal. Operating in Tangier since 2007, APM Terminals expanded its capacity to accommodate larger container vessels and increased cargo volumes. The new terminal, strategically located on the Strait of Gibraltar, spans 53 hectares and features a 1,200-metre-long quay.



Product type:
Reefer Rack Core



Scope:
42 reefer racks, single sided plug-ins, 9x5 configuration



Services:
Supervision, delivery & transport



Additional products:
44 reefer rack safety tunnels



Location:
Tangier, Morocco





Product type:
Reefer Rack Plus



Scope:
15 reefer racks, single sided plug-ins, 6x5 configuration



Services:
Assembly, supervision, delivery & transport



Additional products:
12 reefer rack safety tunnels



Location:
Antwerp, Belgium



DP WORLD



DP WORLD BELGIUM

As one of the world's largest terminal operators, DP World manages more than 65 terminals across six continents, with its global headquarters in Dubai (U.A.E.). For DP World at Antwerp Gateway in Belgium, Severfield Steel Construction designed, supplied, and installed 15 reefer racks, complemented by 12 safety tunnels. The project was carried out in close cooperation with engineering firm Witteveen+Bos.



SEVERFIELD STEEL CONSTRUCTION NETHERLANDS



Based in Rijssen (NL), Severfield Steel Construction Netherlands is part of Severfield Europe and a leading player in the Dutch structural steel industry. With a fully integrated in-house process, we manage projects from engineering and production to installation, ensuring safety, efficiency, and reliability throughout. Our flexible, customer-focused approach make us a trusted partner for durable, tailor-made steel infrastructure.



WHAT CUSTOMERS SAY ABOUT US

"Their extensive experience, professional image, good price-quality ratio and the fact that they supply a complete integrated solution were the main reasons we chose Severfield. These arguments have certainly been confirmed. Severfield Steel Construction has supplied high-quality reefer racks and walk-through tunnels. The requirements we set for the design are excellently designed and executed."

Roy de Witte, Project Engineer at Lineage Netherlands



About Severfield

With over 2,000 employees, 300,000 tonnes of annual production capacity, and eight manufacturing facilities across the UK, Europe, and India, Severfield is one of Europe's leading structural steel specialists. Our global presence and proven expertise enable us to deliver complex steel solutions for logistics, infrastructure, and industrial projects worldwide.

Ready to strengthen your operations?

Discover how Severfield can design, build, and deliver your next reefer racks - efficiently, sustainably, and with excellent quality.

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GET IN TOUCH!



Severfield