VRR Projects

Out of the box, into the sky.

More information at vrr.aero
Welcome

Time to reflect. More than thirty years have passed since we created our first air cargo container, at the time having limited knowledge of the aviation industry as a whole and the air cargo industry in specific.

Much has changed since then. By carefully listening to operators and shippers, individuals and consistently reviewing our processes and available materials we can pride ourselves on a wide array of innovations and market introductions in this industry.

With our track record and resulting knowledge of compulsory aviation requirements, a flexible and experienced design office and state-of-the-art production facility we are well positioned to integrate your requirements into any air cargo container or pallet. From concept to reality, every milestone is discussed in close cooperation with the customer.

This process is not done just for fun, although it actually can be. The goal is improved efficiency, safety and in some cases additional revenue within your company.

Some things change, some do not. We treat each and every customer as an individual with individual needs in still the same way as we did thirty years ago. We start with a clean sheet of paper if so necessary and repeat this again and again, until your requirements and expectations are met.

Nearly every stakeholder recognizes that our industry is due to change, whilst the precise direction is unclear it is clear that a change is inevitable. Should your operational needs, philosophy or insights change then rest assured. VRR has been and will continue to be there for you, to assist in any need you may have.

We make thoughts tangible. This picture book is a testimony to our capabilities and we hope it will inspire you.
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Air Cargo Containers

Containers give maximum protection and security to your cargo. They have various contours and dimensions depending on the cargo and aircraft.
ULD for airline customers are designed in families of containers, reducing parts count where possible to achieve production efficiency and easy inventory control at customers maintenance facilities.
Main deck

We improved handling time by developing the world’s first air cargo container with a sliding cover. Quick intuitive and easy to operate.
Narrow body
Air Cargo Pallets

Pallets serve as a platform on which cargo can be secured with net/straps. They come in many dimensions and range from lightweight to heavy-duty.
Medium/Heavy duty

With a unique stringer design construction, our medium and heavy duty pallets are immensely robust and offer an unrivalled strength-to-weight ratio.
Air Cargo Pallets - Special
Aircraft products

Semi-permanently installed equipment or specialised containers and pallets designed for a specific aircraft type.
VRR offers tactical transport or commercial freighter aircraft various palletized seating solutions.
Palletized seating
Transport of members of royal families and government officials per military freighter aircraft, required a more comfortable palletized seating solutions than a pallet only, hence the development of these comfort cabins.
Storage facilities
Car transporters

Various transporter units for shipping safely and efficiently valuable vehicles such as race cars, classic cars and luxury vehicles.
Containers
Platforms
Racks
Coolcontainers

Temperature-controlled containers that guarantee an unbroken cold supply chain for perishable goods e.g. food and pharmaceuticals.

And state-of-the-art containers for transporting high-tech products that are sensitive to their environment.
Cool
For the shipment of large scale assemblies in the high-tech and telecom industry, VRR has developed various large refrigerated containers with internal interfaces. These containers comply with aviation requirements and ensure a safe shipment.
Horse stables

Safe, humane and compliant solutions for transporting horses by plane.
Rigid horse stalls
Collapsible horse stalls

As the finest collapsible model in VRR’s horse stall range, the HMC/HML/HMR series offer the highest level of animal welfare and groom safety. The resistance offered against substantial abuse with the ability to quickly build up or to fold down the stall, make the HMC/HML/HMR a proper winner for equestrian air travel and easy positioning through the network.
Drop-top horse stalls
Military

Military containers and pallets for transporting military equipment safely and quickly to situations all around the world.
When transporting highly explosive Liquid Oxygen in vast quantities, additional anti-ballistic protection was requested to ensure a safe operation. Rather than permanently integrating heavy anti-ballistic panels into the aircraft, we integrated anti-ballistic provisioning into a dedicated pallet.
Mobility systems

Transporting people and cargo in one hold requires improved protection, should a fire occur. This container has extensively improved fire containment properties and a pragmatic, yet efficient fire extinguishing system.
Miscellaneous

VRR is an engineering and manufacturing company at heart. Not all products can be categorized logically, such products are listed in this section.
Repair and maintenance

Our repair station nearby Amsterdam airport (AMS) improves the lifespan and ongoing performance of your airborne equipment.
About us

At VRR, designing and manufacturing dedicated solutions for air cargo is a speciality. Regardless of the industry you’re in and the shape, size, weight and value of your goods, we can create the right Unit Load Device (ULD) for you.

We supply a wide range of high-quality standard products. However, we excel in creating ULDs that meet unique logistical needs and that require customisation and out-of-the-box thinking. All our products comply with the requirements of the world’s airlines and aircraft.
Having vast knowledge of the technical side of the aviation industry, both in terms as design as well as production and quality requirements, we can assist from product concept to product launch and serial manufacturing.

With a team of approximately 45 people, we develop, manufacture and supply innovative solutions to smoothen logistical operations for a global clientele as diverse as OEM’s, airlines, Air Forces, high-tech companies and freight forwarders.

Ever since our establishment in 1946, we have enjoyed a positive reputation and ever-growing track record due to our ability to listen to customers and translate logistical bottlenecks into tangible, problem-solving products.

Our head office in Rotterdam houses the Engineering, QA, Purchasing, Administration and Sales departments for the manufacture of products as well as production and supply of spare parts.

Repair and maintenance of ULD and catering equipment (trolleys, galley inserts) is provided through our dedicated facility nearby Amsterdam Airport.

VRR in a nutshell? A friendly yet highly professional international company that has all the right qualifications to supply the aviation, or any other technically demanding and regulatory controlled, industry.
VRR’s origins date back to 1946. Two brothers, Steef and Adri van Riemsdijk, were previously employed at Koolhoven Aircraft in Rotterdam. During WW II their employer ceased doing business. Having gained vast experience as sheet metal workers, the two brothers decided to set up their own sheet metal company.

The company was called Gebroeders (Brothers) van Riemsdijk where Steef and Adri manufactured products such as aluminium car bodies, aluminium structures, steel scaffolding equipment, military ground support equipment, boats, assembly lines and much more.

In the early ’70s, Steef’s son Ron made his entrance into the company. Not long thereafter the company was taken over by Ron, and he set up a new side-business: aviation products.

As time passed by, the company specialised in complex low-volume air cargo products. Finding dedicated solutions in the early ’80s for livestock transport by freighter aircraft led to a series of products providing operational relief and solving (logistic) bottlenecks for many customers around the globe.

A booming air cargo sector and innovative products made the company expand gradually. During the first international
expansion, the first part of the name ‘Gebroeders’ proved difficult to pronounce for those not Dutch. The company name transformed into Van Riemsdijk Rotterdam from the mid ‘80s.

A diversified focus remained for many years. The core business had shifted from scaffolding and ground support equipment to light(er) weight air cargo equipment. Both product groups were provided to different customers in different markets, albeit manufactured in separate facilities.

With the official introduction of a new family generation and board of directors in 2006, the scope of work offered to the industry narrowed - a pure focus to the aviation and other technologically advanced markets was endorsed.

In 2007 we moved our maintenance facility to Amsterdam Airport for a more focused approach to our maintenance services. In the same year, we introduced our current trade name VRR to ease the pronunciation of our company name.

A long history and a bright future. We hope you will be part of our history, present and future. To be continued.
Quality

Supplying products and services to the airline industry implies adhering to strict quality requirements and meeting various compulsory requirements in order to deliver an airworthy product. Without airworthiness properly in place, a container or pallet may not be able to fly aboard.

Containers and pallets, commonly designated as ULD (Unit Load Device), leaving our factory are certified by the European Aviation Safety Agency (EASA) and/or the Federal Aviation Authorities (FAA).

The basis for certification of most of our products is found in Technical Standard Orders in which amongst others form and minimum required strength are described.

VRR has obtained EASA Part 21, Section A, Subpart G certification for the design and manufacture of air cargo related equipment.

For maintenance of air cargo equipment we obtained EASA Part 145 certification, allowing us to return an unserviceable unit back into service again and to continue the airworthiness of the product as such.

In addition to EASA certification, we raised the bar for our quality management and have obtained AS 9100 revision C which exceeds ISO 9001.