

VARIOLOAD
Rescue



Safe. Modular. Ready to use.

Vario-Load-Rescue

Your carrier for civil protection
and disaster management



Vario-Load-Rescue preconfigured and optimized for rescue operations

Concept

- ✦ Quick response time—necessary equipment is already loaded for transport.
- ✦ Fast and Easy deployment in the operational area.
- ✦ Components can be unloaded without forklifts.
- ✦ Structured compartments enable easy tracking of loaded Inventory —Surpluses and shortages can be quickly identified and eliminated.
- ✦ Shorter operating times—reduced costs .
- ✦ Can be deployed by smaller teams.

Technical data

Length	7300 mm
Width	2480 mm
Height	2440 mm
Weight of equipment	7,5 t
Weight of carrier	2,3 t
Certifications	<ul style="list-style-type: none"> • §22 StVO, VDI 2700 ff durch den TÜV Süd • DIN 33411 • DIN 33402

Exemplary total weight with swap body and carriage: 15.2 t.
Data may vary, depending on configuration.

Loaded standard equipment

The Vario-Load-Rescue contains all necessary parts of an operational scaffolding system, used throughout civil protection and disaster management services. This amounts to more than 1,400 pieces of equipment, stored inside the carrier.

- ▮ scaffolding system (1,400 parts)
- ▮ cribbing lumber, tarpaulins, scaffolding props
- ▮ ground anchor system
- ▮ anchor bars
- ▮ optionally available:
cribbing lumber 10 x 10 cm, length 50, 70, 120 cm
squared timber 10 x 10 cm, length 5 m
construction/trench props, tarpaulins, roof battens, lagging lumber, tools, nails, screws, wedges

Careful storage of equipment increases its service life and reduces the cost of replacements.

The modular design makes future equipment changes possible. Individual components can be easily replaced.

more information





Your Benefits

Safety

- ❖ Certified according to §22 StVO, VDI 2700 ff by TÜV Süd.
- ❖ Reduced risk of injury due to optimized loading space.
- ❖ Intuitive and fast securing of load through predefined locking mechanisms.
- ❖ Safe operation as well as loading and unloading is guaranteed.

Sustainability

- ❖ More effective use of loading space: Approx. 30 % more material can be transported in one run compared to standard loading. This significantly reduces the fuel consumption of motorized units.
- ❖ Production and assembly made in Germany.
- ❖ The modular construction enables resource-efficient repairs in the event of damages and future changes of equipment.
- ❖ Low maintenance costs compared to a motorized vehicle.

Ergonomics

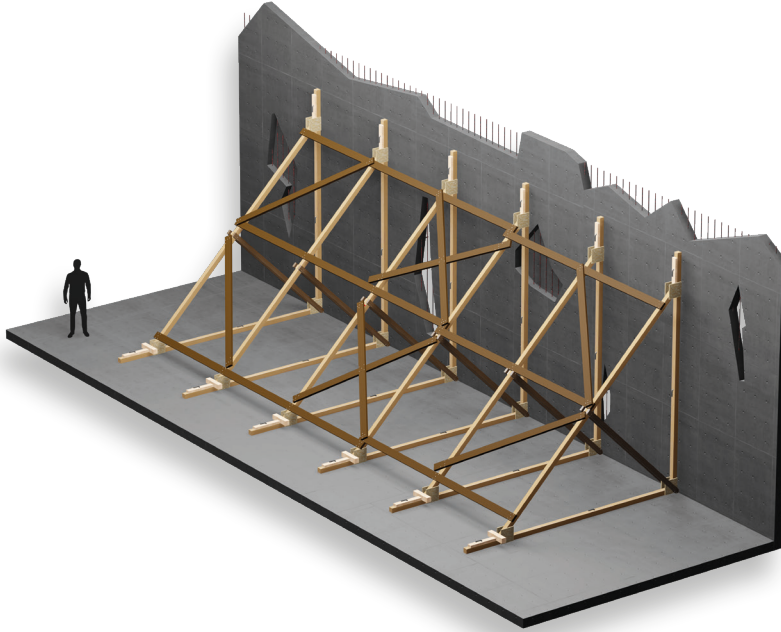
- ❖ Fulfilling the ergonomics requirements according to DIN 33411 & DIN 33402.
- ❖ All equipment is easily accessible.
- ❖ Ensuring accessibility through wide, extendable stairs.

Quality and reliability

- ❖ High durability thanks to hardwearing, corrosion protected materials.
- ❖ Successfully tested for continuous loading.
- ❖ Field proven design, based on extensive research and experience

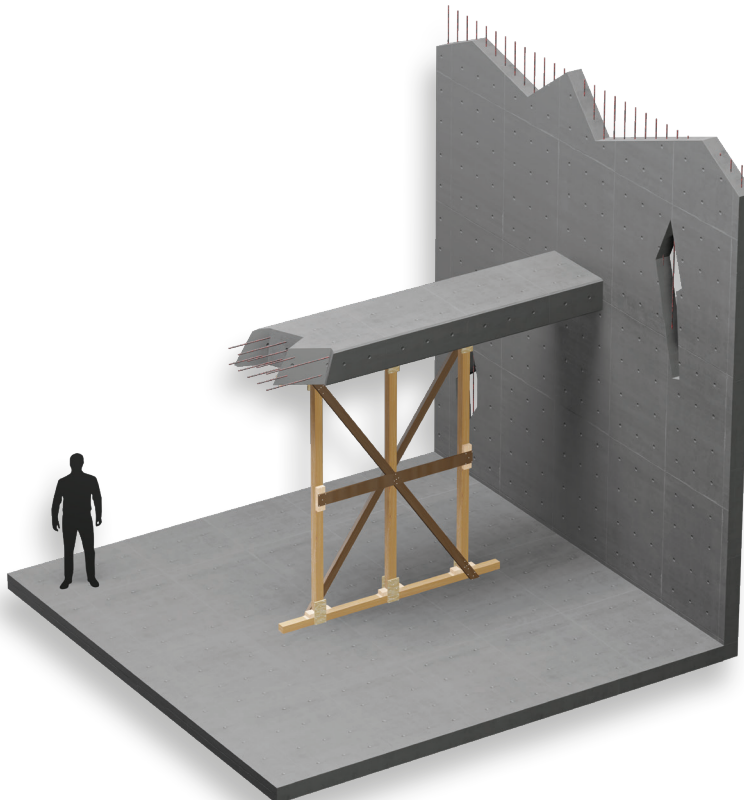
Wooden Shores

Examples of the shoring systems that can be build using the loaded shoring lumber of the Vario-Load-Rescue



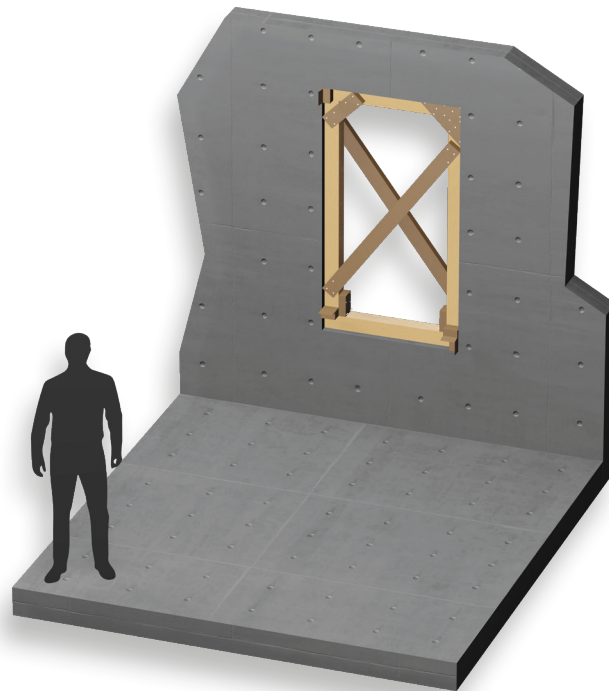
45° laced raker shores

A minimum of two raker shores braced together. Used to secure the outside wall of structurally damaged buildings



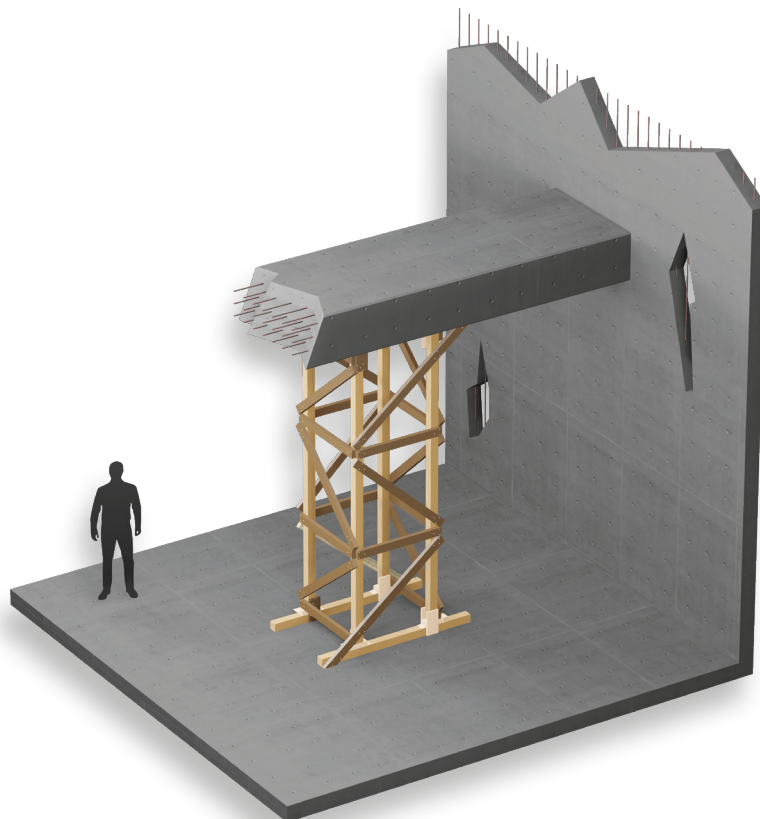
Three-post vertical shore

Three vertical posts laced together to provide a vertical shore that is protected against lateral and torsional forces



Window and door shore

Used to structurally support damaged window and door frames

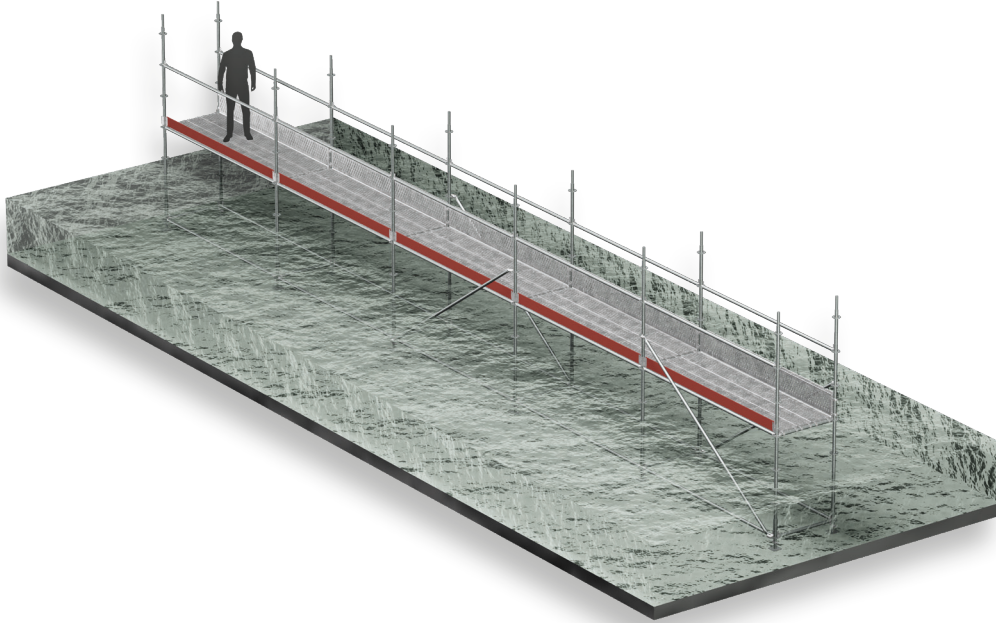


Laced post shore

A four post shoring system, it can reach extended heights and support existing columns or compromised vertical structures

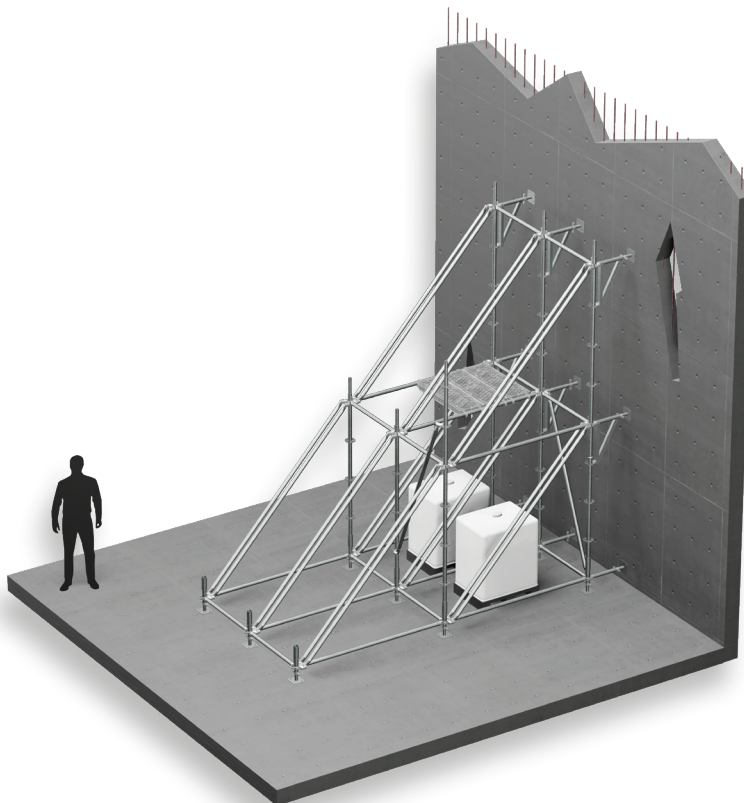
EGS-Scaffolding System

Examples of the possible structures that can be build using the scaffolding system of the Vario Load Rescue



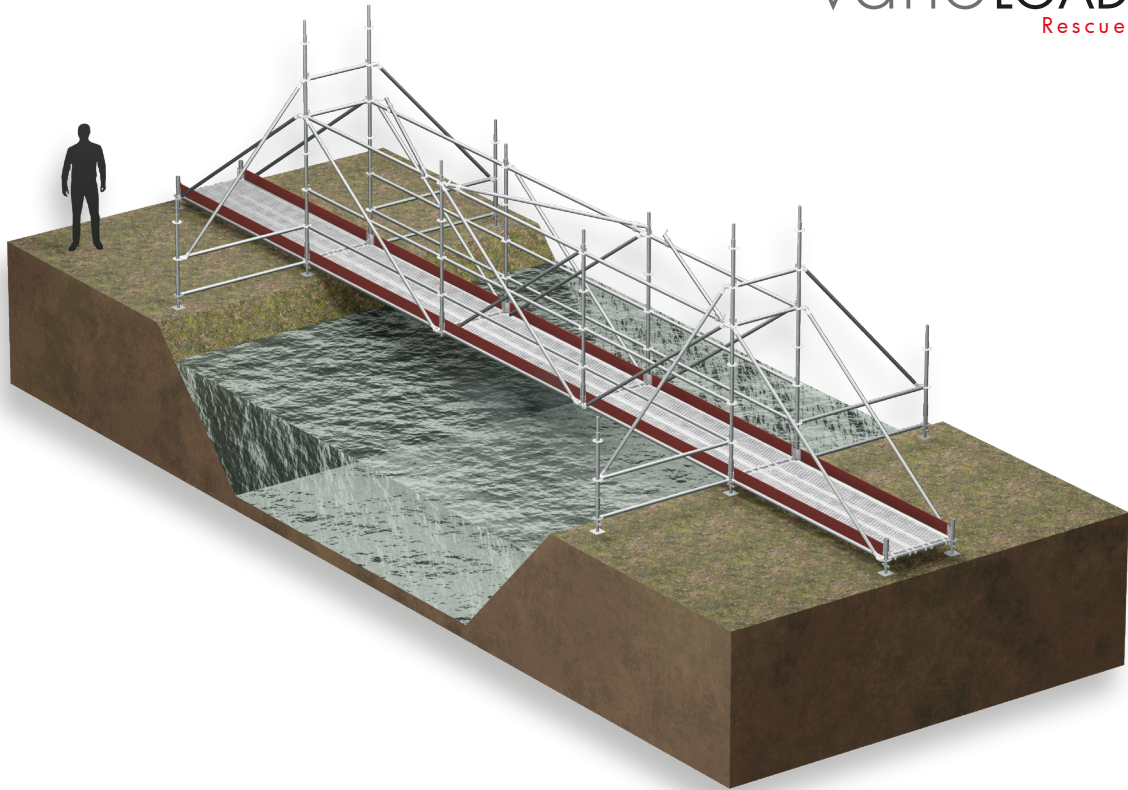
Footbridge for flood defense

An elevated walkway (1,70m above ground) to reconnect houses or urban areas that have been cut off by flooding



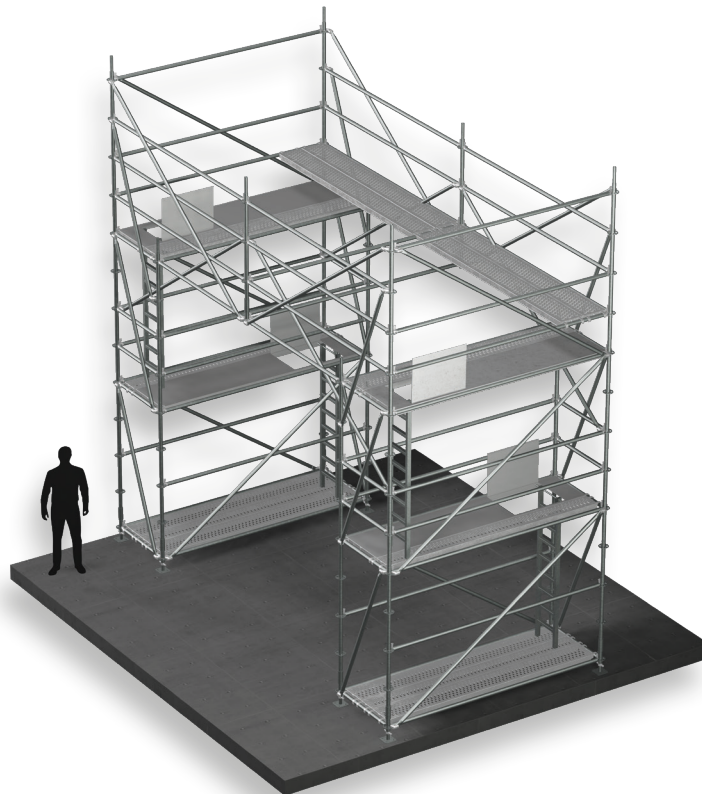
Raker shores

Quicker assembled than its wooden counterpart, this shoring system can be deployed to secure structurally damaged walls or other parts of a building



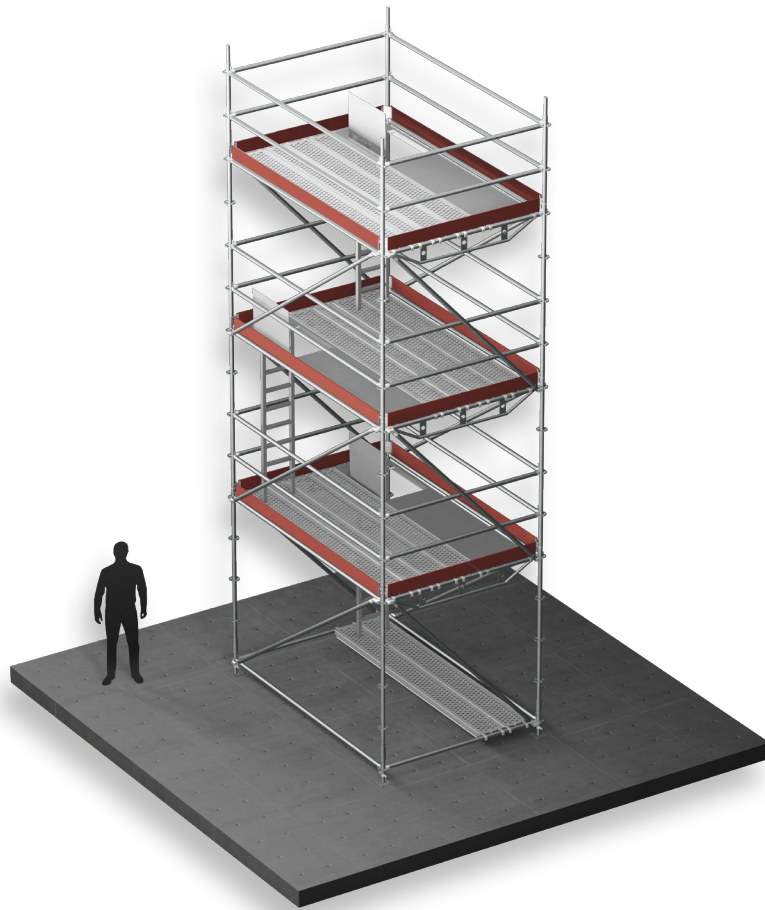
Unsupported footbridge

A footbridge that can be completely constructed from one side of a bank by cantilevering over the obstacle that is to be crossed. This is achieved through the use of counterweights on the first abutment until the bank on the other side is reached.



Vehicle decontamination portal

A Portal to simplify the decontamination process of vehicles during CBRN related deployments. Personnel can stand on three stories to decontaminate even large vehicles from all sides..



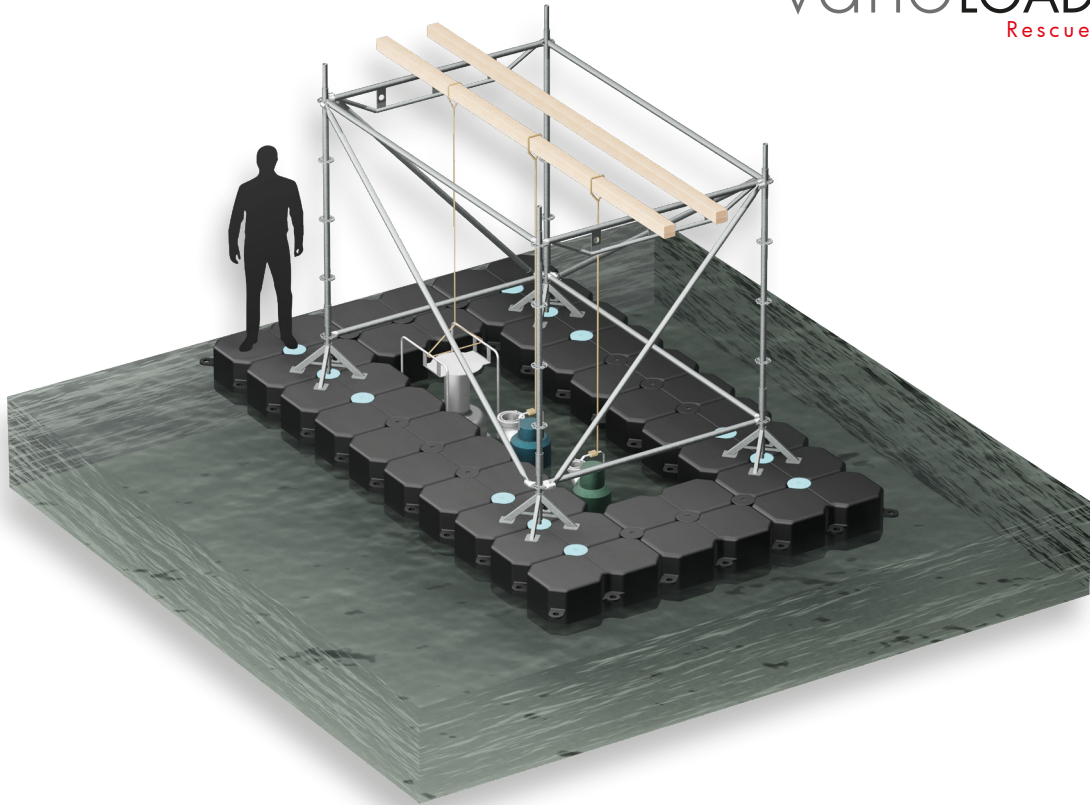
Drill tower

A three-story tower to practise skills used in urban rescue missions like rope rescue, rigging or the use of rescue devices and stretchers.



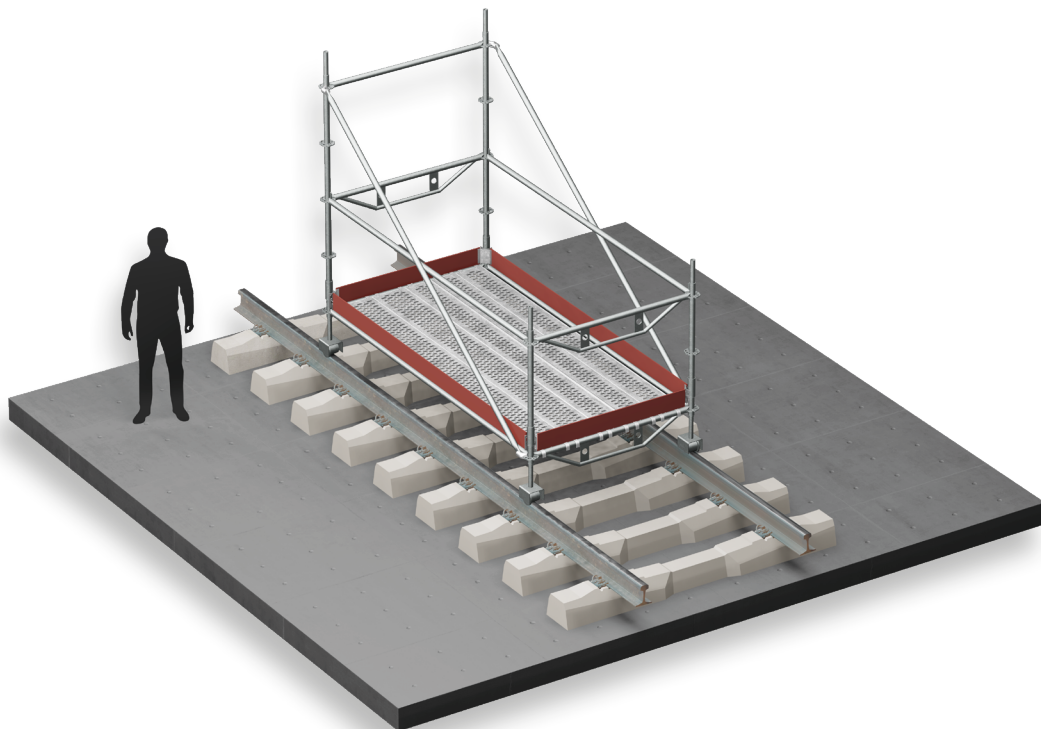
Lifting rig for light sport aircraft

A quickly assembled rig to connect a light-sport aircraft to a crane without further damage to the fuselage. Ideal for recovery after a crash or an emergency landing.



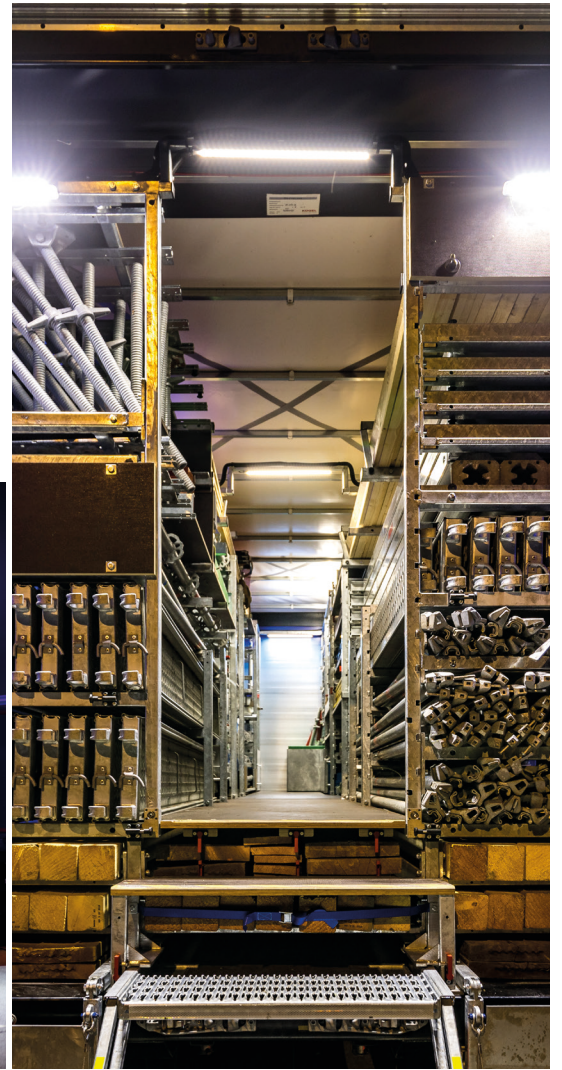
Jetfloat® compatible scaffold construction

Special feet developed by Inventied allow for quick and secure EGS-scaffolds to be build on the Jetfloat® modular raft system. Perfect for high capacity pumping operations on larger bodies of Water, such as lakes



Railcart

Using the EGS-railway kit allows for the scaffold constructions to be moved on railway tracks. This Railcart can be used to transport heavy materials into, as well as casualties out of an area of operation.



Lighting package

Features

- ▮ Switchable interior and exterior lighting
- ▮ Self-sufficient lighting duration of up to 14 h when all devices are used
- ▮ Low-maintenance and robust LED lighting for extreme environments
- ▮ Cold-resistant battery (discharging down to -20°C , charging down to -10°C)
- ▮ Electrical safety according to VDE 0100-717

Variable power supply options

- ▮ Connection to power grid
- ▮ Optional: power generator



Variations

The unique design of the carrier system makes individual adaptations based on your requirements possible.

By choosing the swap body or loadable system design, several individual units can be kept in stock and be moved by only one chassis without significantly increasing operating costs.

The following combinations are possible:

- ◆ Roll-off container
- ◆ ISO container
- ◆ Tarpaulin & hoops trailer
- ◆ Swap body
- ◆ Special trailers for the German Armed Forces, etc.

The Vario-Load Universe

We develop individual, operation-optimized carriers for you.



Vario-Load-Rescue

The carrier for specialised equipment operational scaffolding system, usable for different special constructions in the field of disaster relief.



Vario-Load-Flood

With the Vario-Load-Flood, flood relief equipment can be stored professionally and made available to municipalities in flood risk areas. This enables the equipment to be transported quickly to the required locations with only a small expenditure of resources and the necessary time savings.



Vario-Load-Pump

With the Vario-Load-Flood, flood materials can be stored professionally and made available to municipalities in flood risk areas. This enables the flood materials to be transported quickly to the required locations with only a small expenditure of resources and the necessary time savings.



Vario-Load-Paramedic

As an innovative, mobile first aid station, the Vario-Load-Paramedic aims to optimize the treatment at treatment stations. Mit größerer Behandlungskapazität, schnellerem und einfacherem Aufbau als reguläre Sanitätsstationen.



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