



DEFENCE SOLUTIONS

Designed for the toughest demands
in military logistics and readiness

JOAB

A RELIEABLE AND INNOVATIVE PARTNER

With over 60 years of experience in the transport industry JOAB has grown into the Nordic leader in truck bodybuilding. With a strong foundation in Swedish engineering, robust design, and high operational reliability we have built a reputation for solutions and services you can rely on even when the going gets tough. For 15 years we have delivered vehicle body solutions to the Swedish Armed Forces and today JOAB is an established partner within the defence sector. Known for proven high-quality durable solutions that meet the stringent requirements in military logistics, readiness and civil protection.

We listen and tailor the solution
We know operational demands vary from customer to customer. Not everyone is alike. That is why we work closely with our partners in product development. We listen and adapt, leading to new solutions, designs and products tailored to your specific operational needs. As we say: we develop and deliver the product you need for your mission. A new solution never seen before? Then that becomes our mission. Making sure you get the product you need when you need it. Designed to deliver from day one and to be relied on in the long run.



In 2010 JOAB made the first delivery to the Armed Forces consisting of 80 hooklifts.

2010

JOAB signs the first agreement with the Swedish Armed Forces and Scania for the delivery of 80 hooklift systems.

2021

JOAB receives the largest order in the company's history, comprising 230 units for the Swedish Armed Forces, including 200 hooklift systems mounted on Scania vehicles and 30 fixed flatbeds with HMF cranes mounted on Volvo vehicles.

2025

JOAB is awarded an order from the Swedish Defence Materiel Administration (FMV). Today it comprises 200 hooklift systems, delivered together with Scania.

2025

JOAB is awarded a new framework agreement by FMV for the Adapter Pallet (BAP), providing the Swedish Armed Forces with entirely new opportunities to use their vehicle fleet more efficiently.

2025
NCAGE

In September 2025, JOAB is awarded an NCAGE code and officially registered as a NATO supplier, with extensive experience in contributing to public safety, security, and national preparedness.

HOOKLIFT

Nordic strength

Our products are designed to endure the toughest missions. Made from Swedish steel, formed and shaped to face the harsh conditions of the far north. This is the very basis for JOAB's products, ensuring an extremely stable solution combining high strength with low weight. Like our hooklifts.

Your mission can be unknown territory, even hostile environment. Then reliable transport and logistics is key. We offer a wide range of hooklifts tailored to meet all your transport needs. From extremely powerful and robust models to innovative hooklifts with intelligent functions and energy-efficient systems. It's your task and your assignment that determines which is the best solution for your operation.

What distinguishes a JOAB hooklift is the robust construction, low profile and lightweight design. Altogether ensuring the highest load capacity and efficient performance in every loading and unloading tasks. While at the same time guaranteeing smooth operation and easy maintenance even when the going gets tough.

Quick facts

- Designed for civil and military defence
- 18–24 tons lifting and tipping capacity
- Designed for 3 and 4 axle chassis
- Complies with STANAG 2413, SS and DIN standards, suits most hooklift frames on the market
- Supplied with our patented tipping torque amplifier that increases lifting force
- Automatic lowering brake dampers speed during final phase of lowering movement
- Optimized hydraulic/electric system for reduced fuelconsumption and environmental impact
- Lower weight because the hooklift is made of high strength steel which means greater payload



FLATBED



Tailored for you

Whatever your transport needs are, our flatbeds for haulage trucks are ready to deliver. Designed, developed and manufactured in Sweden to withstand everything from polar climates and rough terrain to extreme heat.

The more demanding the task, the greater need for reliable, safe transport solutions that ensure the required capability and capacity for the assignment. As we say, solutions to rely on. Our flatbeds feature a standardised layout to meet the demands and tough challenges you are faced with daily in military logistics. That is also why we have put immense efforts in designs focusing on user-friendliness and safety. Since we develop and manufacture the flatbeds ourselves we can offer cost-effective tailored solutions with short lead times from order to delivery.

Our flatbeds have a low build height and low tare weight for optimum economy and minimum environmental impact. For increased safety they feature lashing points according to EN 12640 European standard.

Quick facts

- Compatibility with standardized 20' and 10' ISO containers, ensuring interoperability with NATO and national logistics chains
- Non slip surfaces for safe movement during operations
- Retractable ladders for quick and secure access under field conditions
- Retractable lashing hooks for secure load restraint of irregular or high value military equipment
- Snow chain holders enabling rapid adaptation to winter environments
- Hand tools and toolboxes positioned for fast access during recovery or maintenance tasks



FLATBED CONTAINER PLATFORM

Container transport

Every mission relies on efficient and secure cargo transportation. Our flatbed container platform is a robust, mission-ready superstructure engineered to support defence logistics, vehicle mobility and rapid payload handling across diverse operational environments.

In military logistics, reliability, speed, and safe operations are essential. That is why we have put immense efforts in designs focusing on user-friendliness and safety. The platform provides a stable and adaptable foundation for transporting standardized loads, including 20 foot containers, modular mission payloads and specialized military equipment.

Designed to be mounted on high-mobility defence vehicles, the flatbed ensures reliable performance on road and off road, enabling military units to operate effectively in demanding conditions. Its rugged structure supports heavy payloads while maintaining stability during rapid manoeuvres, long-range deployments and tactical transport tasks.

Quick facts

- Compatibility with standardized 20' and 10' ISO containers ensuring interoperability with NATO and national logistics chains
- Non slip surfaces for safe movement during operations
- Retractable ladders for quick, secure access under field conditions
- Retractable lashing hooks for secure load restraint of irregular or high value military equipment
- Snow chain holders enabling rapid adaptation to winter environments
- Hand tools and toolboxes positioned for fast access during recovery or maintenance tasks
- Flatbed is optional for container platform

BAP

Bridge Adapter Pallet

Our bridge deployment system revolutionizes the handling of pontoon bridges and tugboats. Deployment can be done within one minute, dramatically increasing your defence capability.

The key advantage of our BAP is that it can be used on virtually any truck fitted with a hooklift system or container mounts. It does not need to be permanently mounted and can be reconfigured in just minutes to be moved between vehicles and fit different flatbed standards. This enables an entirely new level of operational flexibility while reducing both costs and logistical complexity.

Our BAP is a specially designed system with its own winch and arm system, specifically developed to meet the extreme needs and requirements in defence operations. It's a flexible, reliable and sustainable long-term solution for transporting, deploying and recovering deck pontoon bridges and tugboats, used in the construction of ferries and floating bridges.

Requirements

- Supports Improve Ribbon Bridge and M30 Bridge Erection Boat
- Performs its primary task in currents up to 3 m/s
- Controlled launch: max. 2 minutes
- Rapid launch: max. 1 minute
- Recovery (dry docking): from hooking the pontoon to fully secured load in < 2 minutes
- Supports rapid changeover between the following flatbed standards:
 - SS 3021, 3659
 - STANAG 2413
 - ISO 688 container corner castings

CLU

Container Loading Unit

Our CLU is developed to meet current and future challenges in military 20-foot container transport. With impressive load capacity and the ability to load and unload independently in conjunction with the hooklift, it offers outstanding safety, flexibility and efficiency.

Our goal is to provide a reliable solution that not only meets the toughest requirements and expectations in military operations but also optimizes handling, enhances safety and reduces operating costs. With the combination of a JOAB CLU and a hooklift trailer, you can transport up to three containers, reducing the need for additional manpower and increasing loading efficiency. With a maximum payload capacity of 18 tonnes our CLU is designed to handle even the heaviest loads with ease and efficiency. And thanks to a lift height of only approximately 30 cm, the risk of damage to both cargo and vehicle is significantly reduced, creating a safer working environment.

Quick facts

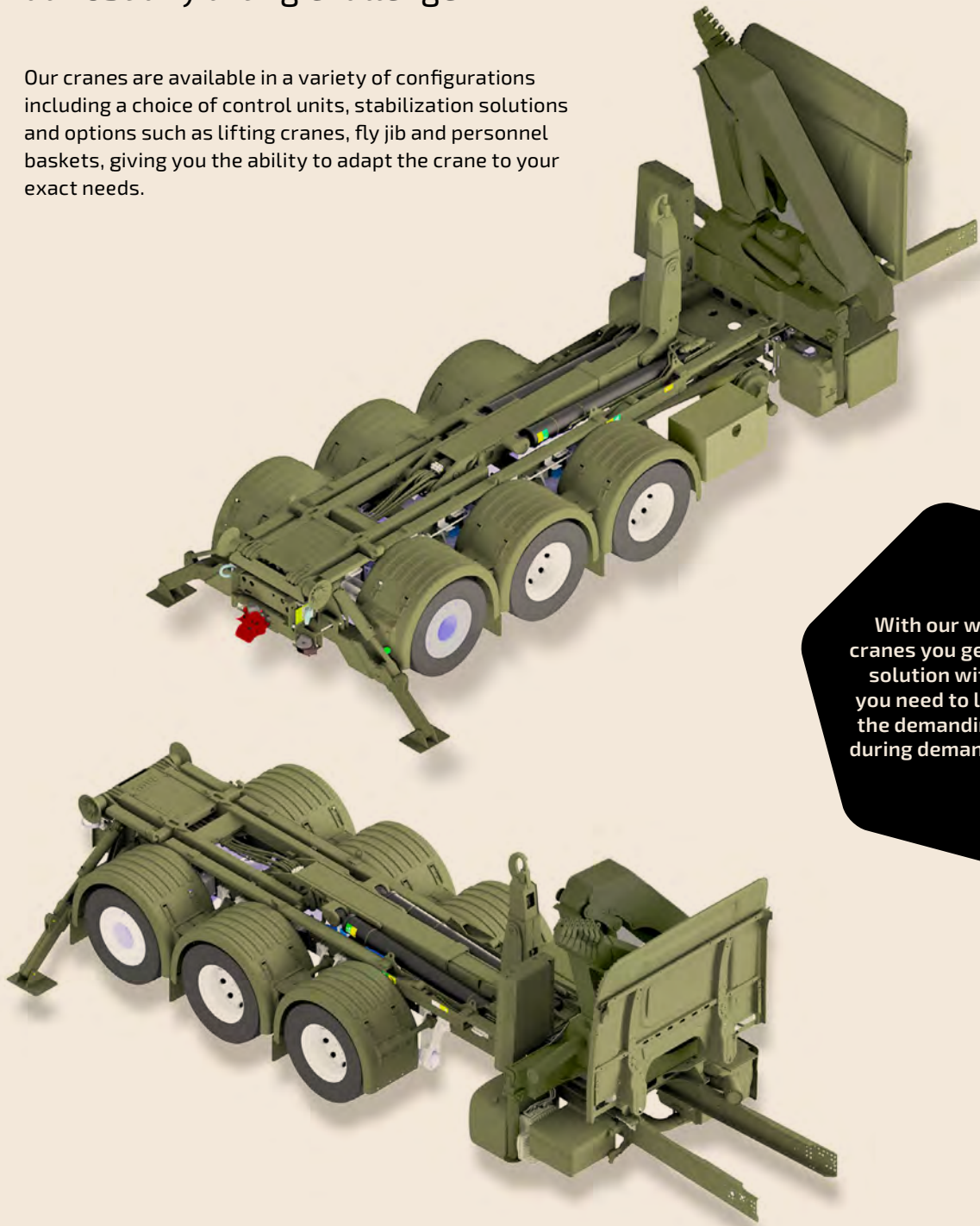
- Supplied in all commonly used bed standards for seamless integration into existing operations, e.g. SS3021, SS3659, DIN 30722, SFS 4417, STANAG, wire hook
- Lift height only approximately 30 cm enhances safety
- Operated via a wired remote control providing maximum control
- High load capacity of 18 tonnes, ready to handle even the heaviest loads with ease and efficiency
- Handles containers of varying heights
- Requires only rear hydraulic outlets on the chassis

CRANES

We offer cranes from several suppliers tailored to handle a wide range of lifting tasks, from simple and repetitive operations to more complex tasks requiring high precision. With our cranes, you are ready to handle almost any lifting challenge.

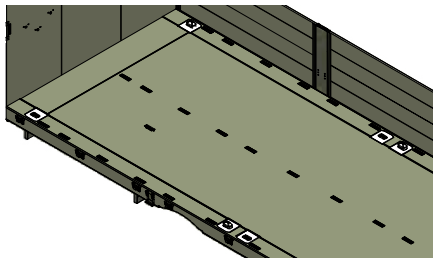
Our cranes are available in a variety of configurations including a choice of control units, stabilization solutions and options such as lifting cranes, fly jib and personnel baskets, giving you the ability to adapt the crane to your exact needs.

With our wide range of cranes you get the optimum solution with the power you need to lift and handle the demanding challenges during demanding missions.

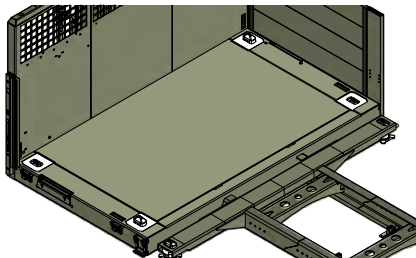


ASSEMBLY EQUIPMENT

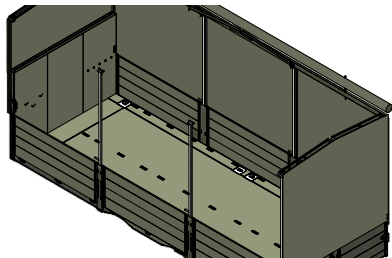
FLATBED



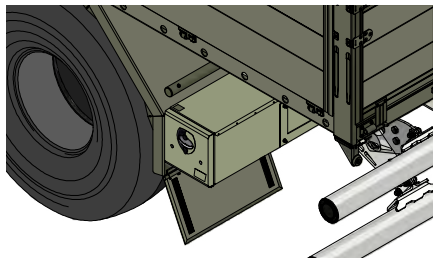
Container locking 10' & 20'
Built according to ISO 668 providing standardized dimensions, tolerances and load ratings essential for military logistics.



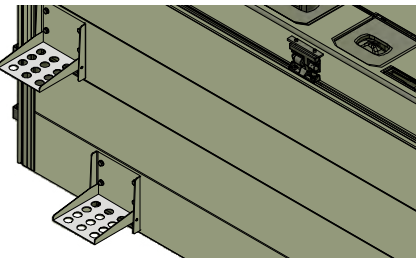
Container locking – custom
Custom sized container flatbeds with fittings according to ISO 1161.



Tarpaulin cover
Military grade tarpaulins with or without NIR reflective properties providing easy handling in military missions.

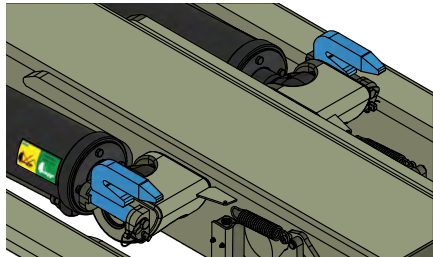


Cargo dividers
Custom solutions for your operational needs.

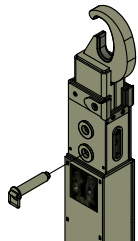


Drop side footsteps
For safe climbing onto the flatbed. Folds away when not in use for maximum flatbed usage.

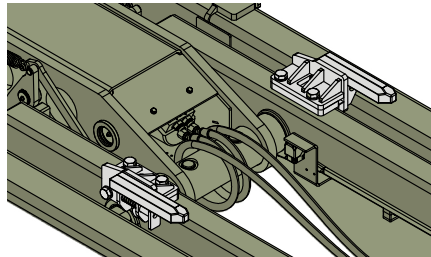
HOOKLIFT



Body Locking Arms
Built to SS 3021. Ensures secure, fast coupling of mission payloads on military hooklift vehicles.



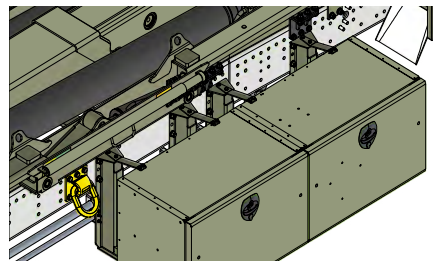
Adjustable hook height 1450/1570 mm
Provides NATO-compatible load handling in accordance with ISO 3021, SS 3659, SFS 4417, DIN 30722 and STANAG 2413.



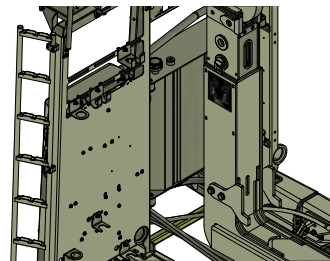
Body locking
Flatrack locking according to STANAG 2413 provides maximum force, holding the flat-rack in place.

ASSEMBLY EQUIPMENT

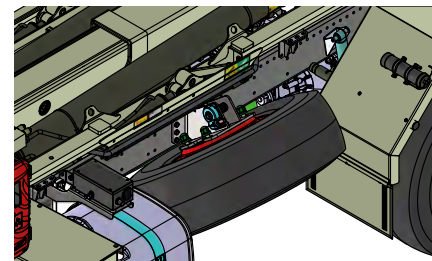
FOR ALL PRODUCTS



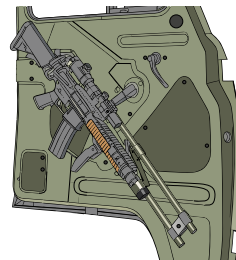
Toolboxes
Custom toolboxes engineered for defence use provide rugged, mission-ready storage built to withstand harsh environments.



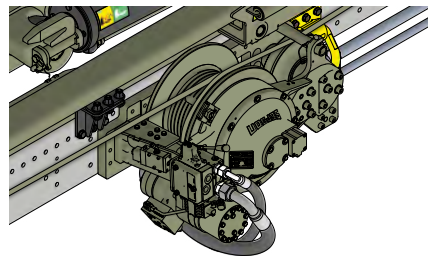
Ladders
Extendable ladders or integrated ladders enables rapid, safe access to mission payloads supporting fast deployment.



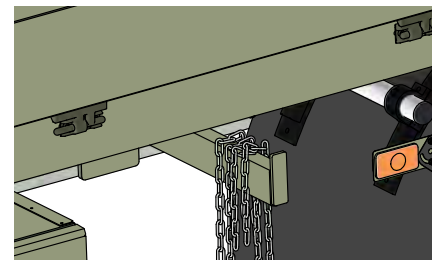
Solutions for spare wheel
Ensure fast, secure wheel handling in the field enabling quick replacement and maintaining mobility.



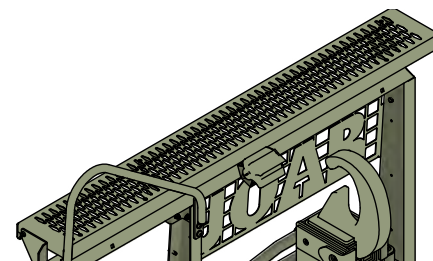
Weapon Brackets
Convenient and reliable easy-access weapon storage. Flexible and lockable to safely secure weapons with different shapes and sizes.



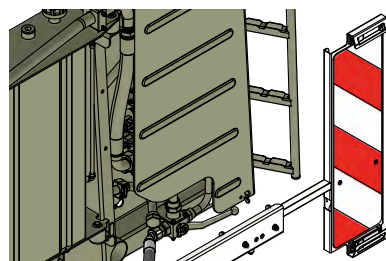
Winch system: front & back
Military recovery winches provide rugged, high-force pulling capability for rapid vehicle extraction in demanding environments.



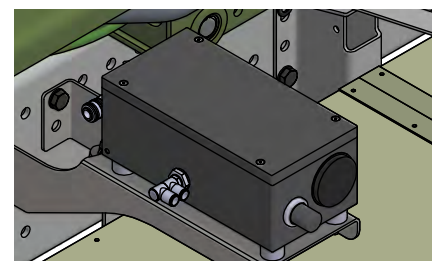
Snow chain holders
Provide secure, rapid access to chains, ensuring mobility and traction in harsh winter operations.



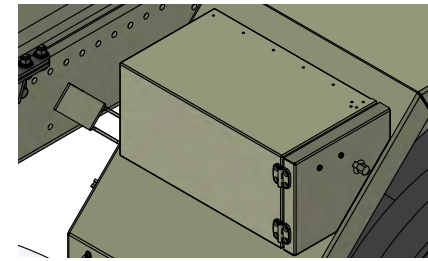
Walkway
Safe walkways for easy movement across the superstructure.



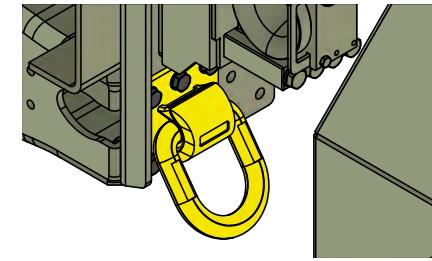
Wide load signs
Provide clear, durable marking to ensure safe convoy movement and compliance during oversized tactical transport.



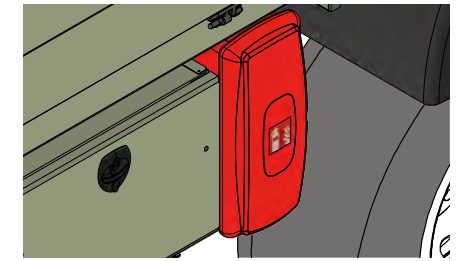
Tyre inflation systems
STIS & CTIS systems for quick and easy tyre inflation increase safety in critical missions.



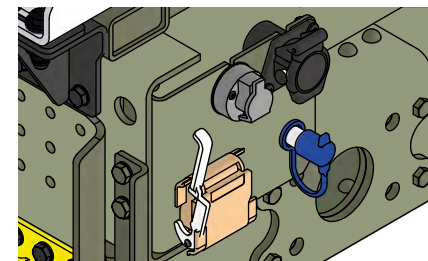
Fire extinguishers
Integrated or stand-alone solutions. We can also offer automatic systems like Fogmaker.



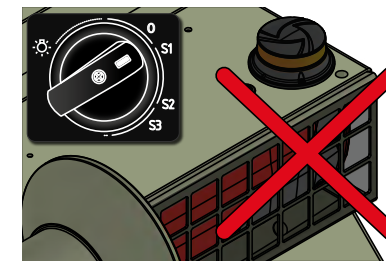
Lashing points
Built to SS EN 29367, STANAG 3548 or STANAG 4062 ensure secure, standardized load restraint on defence vehicles.



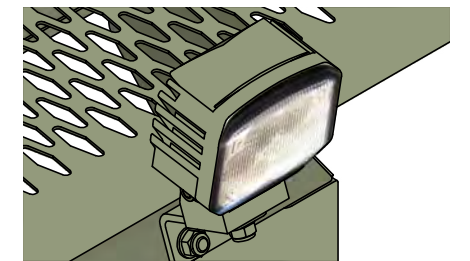
ADR EX3 (FL) compliance
Ensures defence vehicles can safely transport flammable and explosive materials under strict international safety regulations.



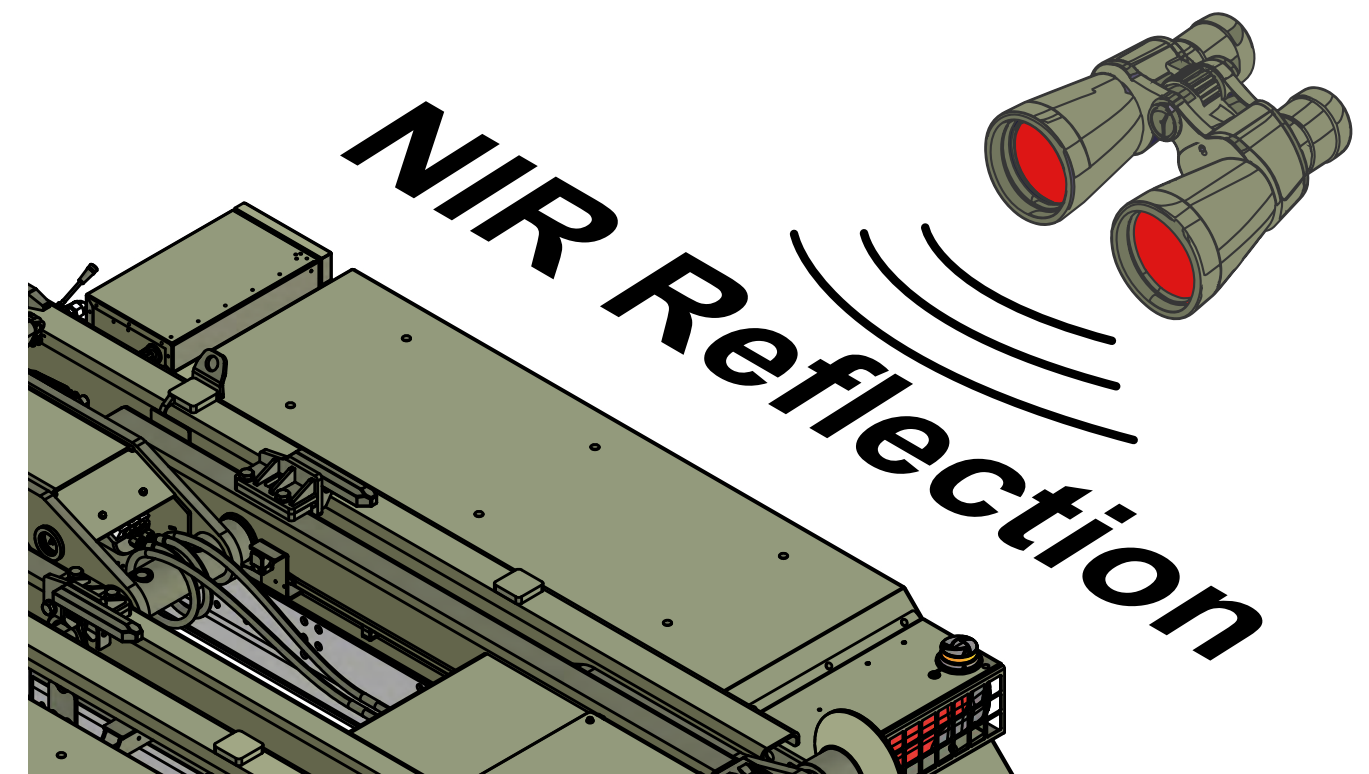
Trailer couplings
We offer most makes and models such as VBG, Rockinger, Ringfeeder and TAV.



Black Out Light (BOL)
JOAB products are compatible with BOL, ensuring the vehicle can operate with reduced visual signature maintaining tactical stealth while preserving essential illumination for safe manoeuvring.

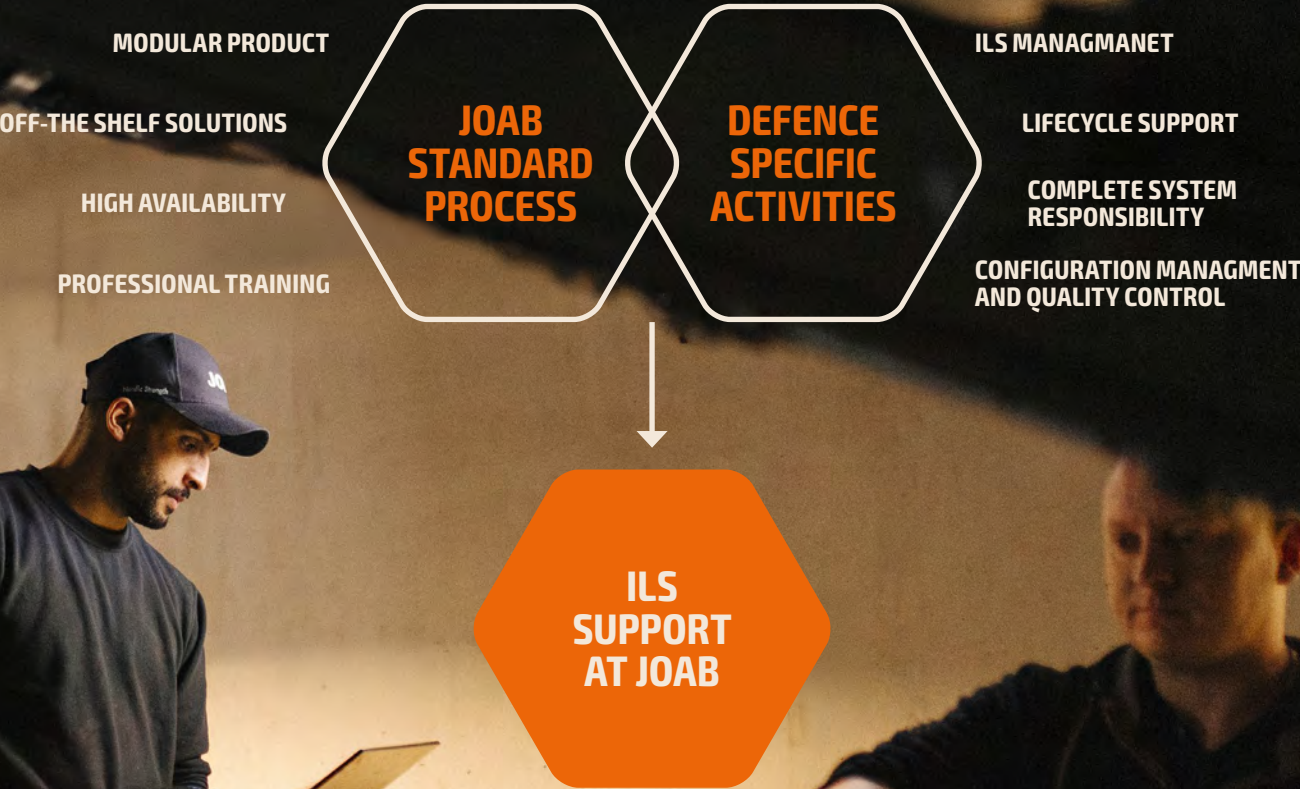


Work lighting
We offer premium solutions, compatible with BOL.



NIR-reflective paint
Reduces a defence system's visual and infrared signature, enhancing camouflage and survivability in operational environments.

INTEGRATED LOGISTIC SUPPORT



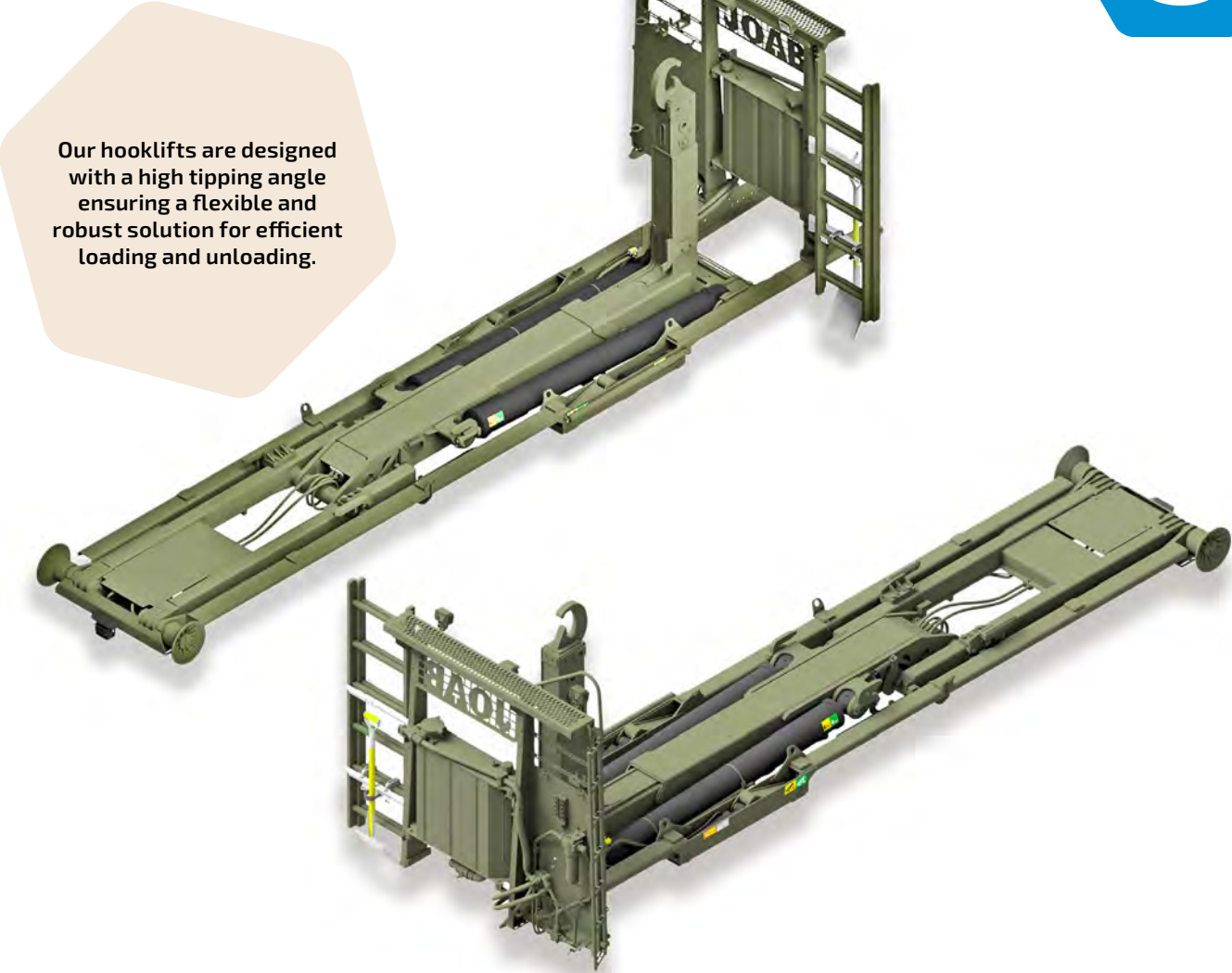
At JOAB, we go beyond delivering high-quality products for military operations. We are committed to ensuring mission success by supporting our customers at every stage of the product life cycle. We understand that operational readiness requires long-term partnership, reliability and performance you can trust.

The JOAB ILS program spans the entire product life cycle, beginning with needs analysis and concept development, continuing through production and in-service support and extending all the way to system decommissioning. Our structured approach ensures maximum availability, cost-efficiency and operational effectiveness throughout the system's lifetime.

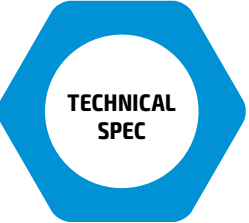
By seamlessly integrating defence-specific performance requirements into JOAB's proven standard processes, we deliver optimized sustainable transportation solutions designed to meet the toughest demands, ready for any mission.

- ILS managment
- Technical documentation
- Training
- Support and test equipment
- Technical support
- Repair and maintenance services
- Configuration managment

HOOKLIFT



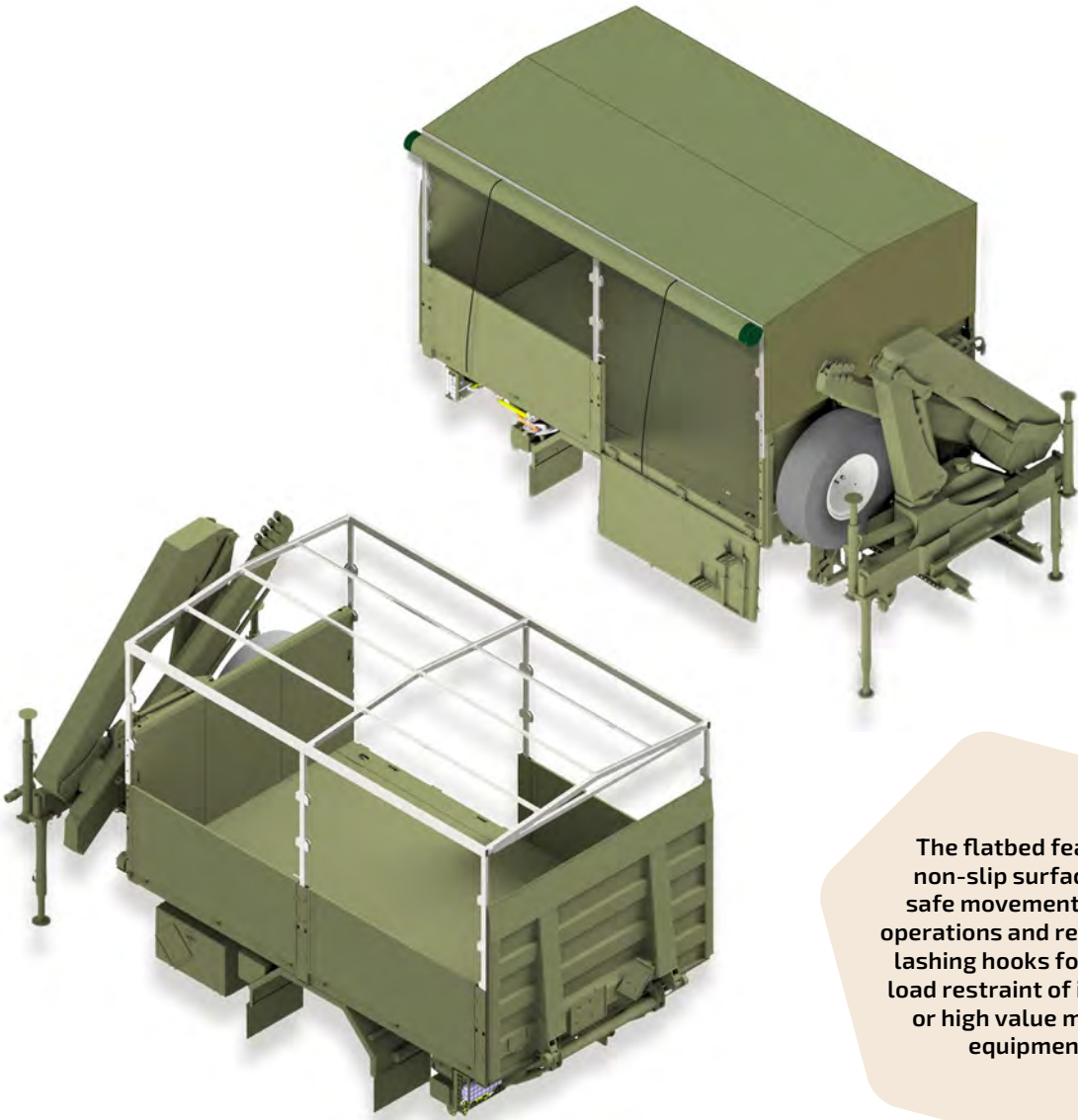
Our hooklifts are designed with a high tipping angle ensuring a flexible and robust solution for efficient loading and unloading.



TYPE	WEIGHT (KG)	TIPPING ANGLE	C/C (MM)
L20-5200 AA	2305	53	5200
L20-5400 AA	2323	53	5400
L20-5600 AA	2374	50	5600
L24-5200 AA	2308	53	5200
L24-5400 AA	2326	53	5400
L24-5600 AA	2377	50	5600
L20A-5200 AA	2478	53	5200
L20A-5400 AA	2496	53	5400
L20A-5600 AA	2547	50	5600
L24A-5200 AA	2481	53	5200
L24A-5400 AA	2499	53	5400
L24A-5600 AA	2550	50	5600

Example configurations. Contact JOAB for complete range.

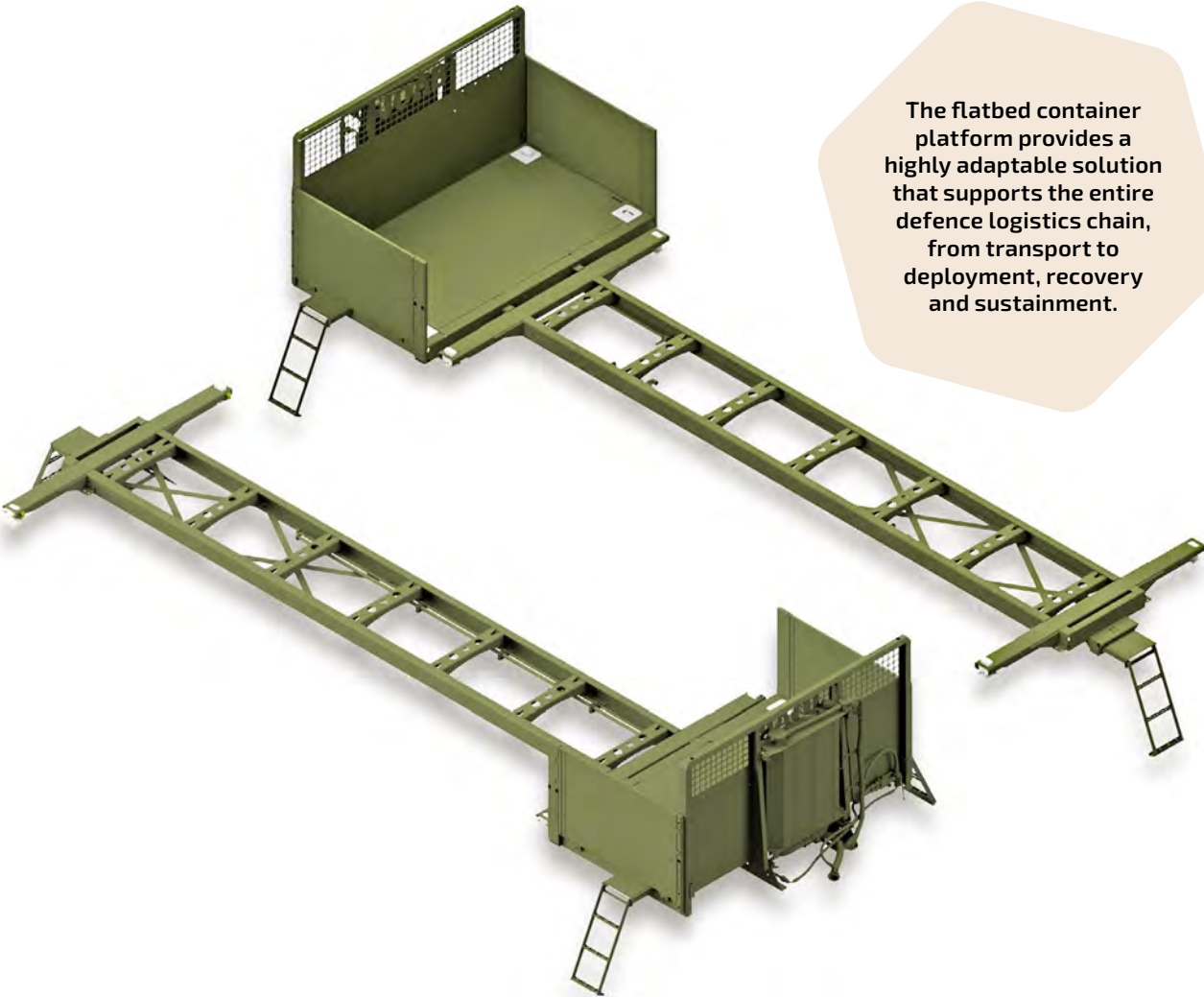
FLATBED



The flatbed features non-slip surfaces for safe movement during operations and retractable lashing hooks for secure load restraint of irregular or high value military equipment.

FLATBED	
Compatibility	Available for 1 pcs 10', 2 pcs 10' and/or 1 pcs 20' ISO container
External dimensions	Loading area length up to 6500 mm, external width 2550 mm
Subframe (optional)	For crane mounting
Bed base	5 mm steel with non slip surface
Anchorage	Foldable lashing hooks along outer edge according to EN 12640
Drop side	Height 800 mm in naturally anodised aluminium planking
Tailgate	Drop side, doors or tail lift
Headboard	Height 1200 mm–1700 mm
Surface treatment	Military-grade paint job

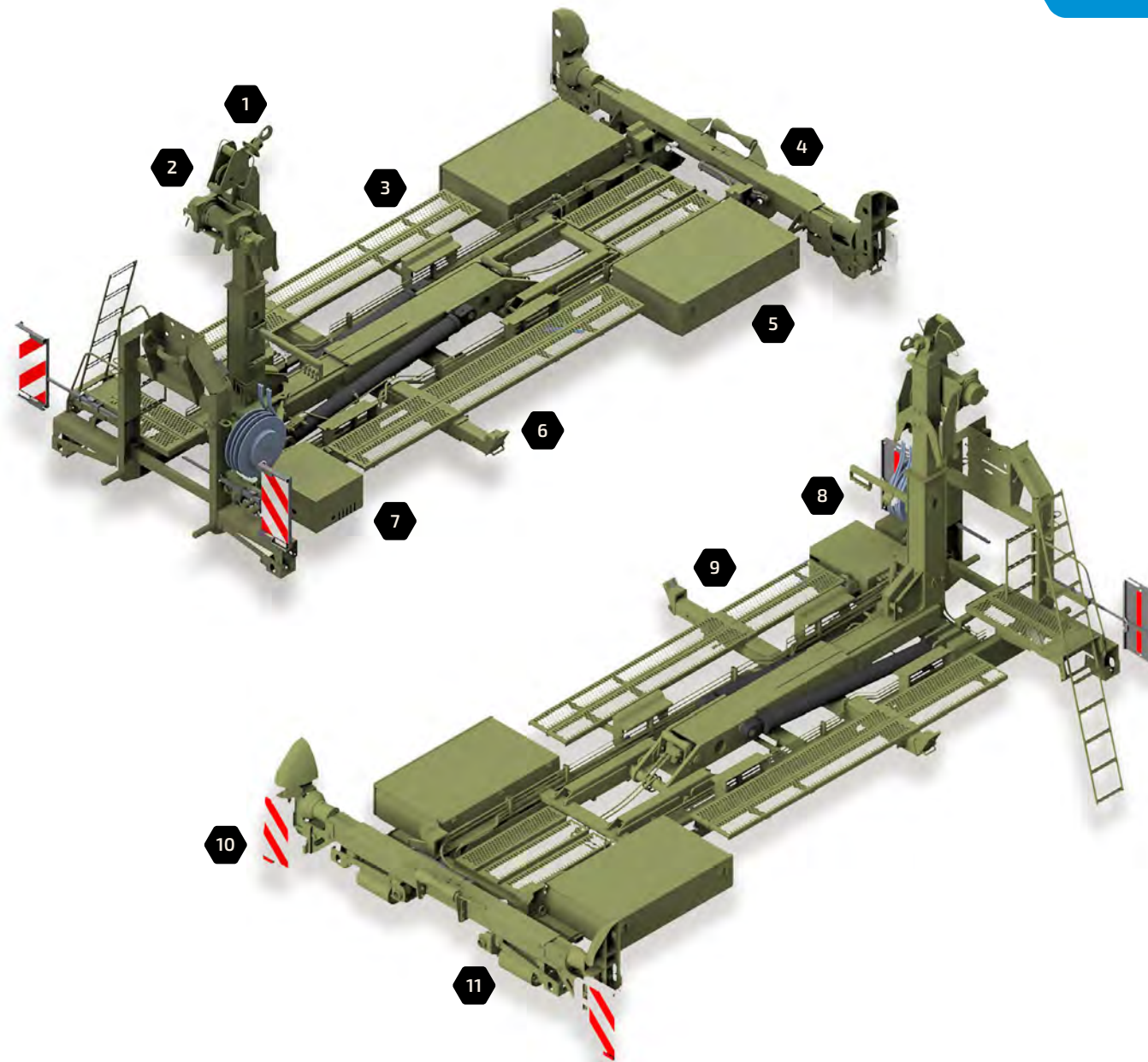
FLATBED CONTAINER PLATFORM



The flatbed container platform provides a highly adaptable solution that supports the entire defence logistics chain, from transport to deployment, recovery and sustainment.

FLATBED CONTAINER PLATFORM	
Compatibility	Available for 1 pcs 10', 2 pcs 10' and/or 1 pcs 20' ISO container
Subframe (optional)	For crane mounting
Bed base	5 mm steel with non slip surface
Drop side	Height 800 mm in naturally anodised aluminium planking
Headboard	Height 1200 mm–1700 mm
Surface treatment	Military-grade paint job
Flatbed	Customizable size

BAP



1. Adjustable hook height
2. Winch with 4.3-ton capacity and 10 m wire rope
3. Walkways on the sides and centre
4. Three fixed widths that can be selected/adjusted:
 - Narrow
 - For pontoon/boat
 - For icy conditions, extra wide
5. Two large storage boxes
6. Frame support
7. Integrated hydraulic system that can be connected from the front or rear
8. All hydraulic hoses and pipes are routed externally and are visible
9. Hydraulic load-holding valves on all hydraulic cylinders
10. Wide load signs at the front and rear
11. Rear sleeves/brackets for hook-lift trailer

CLU



With a strong focus on innovation and quality we have developed a durable, reliable and flexible CLU solution aimed for demanding military missions.



By lifting the container at its designated lifting points

the risk of damage during handling is minimized

Easy connection: only requires hydraulic outlets at the rear of the chassis with only 200 bar hydraulic pressure and 24V power outlet for easy connection which most vehicles already have.

Easy loading and unloading: The container can easily be handled using either a crane or a forklift, saving time and improving productivity compared to other solutions on the market.

Stable operation: The ability to individually control the lifting arms makes the JOAB CLU less sensitive to uneven terrain, ensuring stable and reliable performance even under demanding conditions.

Flexible handling of different container heights: By using only the lower container locks, the JOAB CLU can handle containers of varying heights, increasing flexibility and versatility.

Optimized overall height: Depending on the choice of chassis and the build height of the hook-lift system, total vehicle height in most cases remains below 4 meters with this innovative solution.



With a strong foundation in Swedish engineering, robust design, and high operational reliability, JOAB develops solutions that meet the stringent requirements of military logistics and readiness.

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