

LEGUAN
Many Platforms – One Solution

KNDS



/ The LEGUAN World

In modern times, LEGUAN has become a synonym for fast and effective bridge launching. Already 19 armed forces have chosen the LEGUAN system after extensive trials because of its outstanding performance and easy handling. Teaming, pooling and sharing have become reality to the benefit of all users.

Because of the growing community, an international LEGUAN club was established in 2023 in order to share life cycle costs and to support the system over decades to come.

As a system house, KNDS is not only focusing on the vehicles itself but also offering a wide range of established ILS solutions and accessories to enhance effectiveness and fields of application.

From training courses and training systems, tools and test equipment, civil use kits, bridge supply systems and a lot more useful accessories – everything is available off the shelf.



Fast and Effective:
Bridge-laying in less
than 6 Minutes



LEGUAN – a synonym for the most powerful interoperability in use.

The LEGUAN is a modular, versatile and extremely powerful overall concept for the fast and reliable bridging of infrastructures that hinder movement.

The LEGUAN LEOPARD 2 system is a master in its class. Nine nations have already opted for this modern and optimally balanced overall system. Equipped with a 26 meter bridge or alternatively two 14 meter bridges of military load class 80 (MLC100 optional), it offers maximum flexibility in tactical operations.



The bridges are designed in accordance with the TDTC and other modern requirements to meet today's real operating conditions and to ensure maximum safety when crossing. Both bridge types are qualified and certified based on extensive testing by the German Authority.

The system is interoperable with 19 armies already decided for the LEGUAN system on different tracked and wheeled platforms.

Due to its fully automated launching mechanism it is easy and safe to handle and can be operated by one person from inside the vehicle. Thanks to the modern all-round day/night vision system, which also includes a laser range finder, the crew can work out of the optimally ballistic and mine threat protected fighting compartment by day and night, even with the hatches closed.

Bridge launching and retrieval of both bridge types, even alternating, can be performed within minutes without any prior preparation work needed. The "horizontal" laying mode makes for a low silhouette and minimises susceptibility to wind when the bridge is launched and recovered.

/ The universal wheel-based LEGUAN launching vehicle

The LEGUAN system is also available on a 10x10 wheeled chassis, e.g. TATRA, DAF, SISU or MAN (RMMV). Equipped with a protected cabin, an advanced sighting system but also a fully automated launching system, the system is a valuable supplement to the tracked system, interoperable of course, and able to launch and recover both bridge types.

Particularly suitable for supporting wheeled forces and executing disaster relief operations.



Low silhouette
due to **horizontal**
laying

/ The LEGUAN (compatible) world is growing

Due to its balance and performance, the LEGUAN system has already established itself as a modern standard for overcoming obstacles in tactical operations in many western armies.

New developments, which are being driven forward in cooperation with user countries, aim to make the LEGUAN available as a standard also for medium forces. Concepts for wheeled and/or tracked combat vehicles such as BOXER, CV90 and others to deploy the 14 meter LEGUAN bridge have already been carried out and will soon be available as fully qualified solutions. In order to achieve a maximum of logistical uniformity, the established and proven LEGUAN modular system will be used at component level.

The new TEJU bridge family of military load class 50 was also developed specifically to support medium forces. Following the modular principle of the LEGUAN, these TEJU bridges are available as a long 22 meter variant and a short 12 meter variant. Alternate handling of the bridges without conversions is possible analogous to the LEGUAN system and thus also offers maximum flexibility in use for medium forces.

This means that in future both the 14 meter LEGUAN MLC80/100 bridge and the new 22 meter and 12 meter TEJU bridges will be available for tactical use by medium forces. And this with maximum logistical equality

Entering the LEGUAN world offers many teaming opportunities, interoperability and a guarantee for further enhancements and system care.

LEGUAN on tracked IFV Platform

- 14m LEGUAN bridge MLC80/100
- 12m TEJU bridge MLC50
- Modular design
- Compatible with different IFV platforms



BOXER Bridgelayer

- Mounted on BOXER driving module
- 14m LEGUAN bridge MLC80/100
- 22m TEJU bridge MLC50
- 12m TEJU bridge MLC50
- Modular design
- Rear-launched



/ Transport Solution for LEGUAN Bridges

The bridge layer can be supported with additional bridge sets. Those sets can be transported on heavy trucks with a complete launching system, on special flat bed trailers.

E.g. flat bed trailer:

- Able to transport a 26m bridge as a package
- Able to transport a set of two 14m bridges
- Hydraulic beam to reduce the bridge width during transport
- Standard ISO container (e.g. dual use kit)



/ LEGUAN Complete Logistic Support and Customer Service

Special Tools & Test Equipment (ST&E)

Add-on logistic to the already established and fielded chassis equipment. The full range of special tool and test equipment for the launching system is also available.

Spare Parts

Spare part packages have been defined and are adaptable to the customer specific user profile.

Technical Documentation

The system will be delivered with complete technical documentation (also available as an interactive electronic version on request) for operation and maintenance.

On-Site Presence:

- Specialists in maintenance for armoured wheeled and tracked vehicles with special qualifications on the bridge launching system
- Cooperation with more than 20 countries
- Support in deployment areas since 1996, in Afghanistan since January 2003
- Equipped with modern service equipment, such as special tools, measuring and testing equipment and MULTIBOX Functionality Container



/ Training Equipment & Courses

KNDS as a system offers training equipment and training courses for operating and maintaining the LEGUAN system.

Training Simulator: Table Top Training Trainer

- Driver / Commander
- Operational & Tactical Training
- Interoperable to other Training Stations and Simulators
- Easy transportable

Training Courses:

- Operator Training
- Maintenance Training





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