



**OCCUPANT PROTECTION
FOR LAND VEHICLES**
SAFE – FLEXIBLE – MODULAR



THINKING SAFETY



Results of a successful crash test

THE HIGHEST SAFETY STANDARDS – FOR EVERY APPLICATION

AUTOFLUG safety seats meet the highest safety requirements in any environment. The design is always adapted to the position in the armored vehicle and always offers the best possible solution – highly resistant to explosions, vibration-absorbing and ergonomic at the optimum weight.

AUTOFLUG has a broad range of different safety seat systems for driver, commander, operator, troops and assistance / emergency seats, covering all positions in the vehicle.

For example, the AUTOFLUG OVERMATCH OPERATOR SD is the only driver's seat that can be adjusted in three dimensions, and its fully mechanical adjustability covers an extremely broad percentile area. The OVERMATCH OPERATOR SD is the current driver's seat in the mine-protected version of the KPz Leopard 2, as well as in the M1 ABRAMS. The current seats also meet the increasing requirements regarding load capacity and volume, which arise with the introduction of modern soldier systems (e.g. IdZ-ES Infantryman of the Future – Expanded System).

AUTOFLUG landSEAT

OVERVIEW

OVERMATCH

OPERATOR SD



- Installation: Ceiling at 4 points and floor at 2-4 points
- Foldable, horizontally and vertically adjustable
- 4/5-Point-Harness
- Optional: Ergonomics and comfort package
- Protection level: > Level 4b

CREW TO



- Installation: Side or rear wall at 4 points
- Foldable seat surface
- Optional: Vertically adjustable
- Integrated harness
- Optional: Footrest
- Protection level: Level 3b (STANAG 4569)

TROOP LF



- Installation: Rear wall at 4 points, Optional: Side wall at 4 points
- Foldable backrest
- Horizontally and vertically adjustable
- Integrated harness
- Optional: Footrest
- Protection level: Level 4b

TROOP FS



- Installation: Rear wall at 4 points, Optional: Floor attachment
- Seat surface or backrest foldable
- Optional: Horizontally adjustable
- 4/5-Point-Harness
- Suitable for the use of soldier systems
- Protection level: Scalable up to Level 4b

TROOP SP



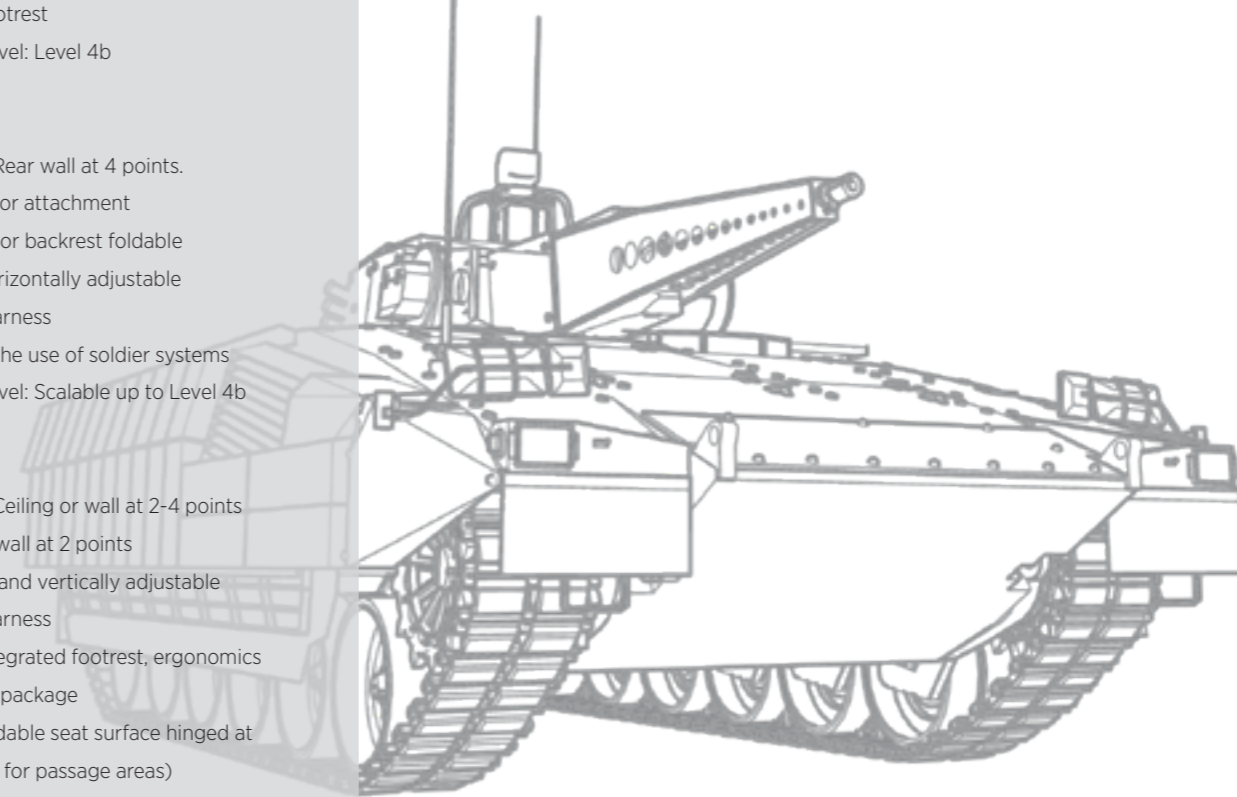
- Installation: Ceiling or wall at 2-4 points and floor or wall at 2 points
- Horizontally and vertically adjustable
- 4/5-Point-Harness
- Optional: Integrated footrest, ergonomics and comfort package
- Optional: foldable seat surface hinged at the side (e.g. for passage areas)
- Protection level: > Level 4b (STANAG 4569)

Multidirectional occupant protection – Thanks to textile structures



TEXTILE SEAT DESIGN – FOR OPTIMUM OCCUPANT PROTECTION

Wherever possible, textile structures are used which are tensioned on the side, ceiling and floor to ensure that the occupant is isolated from the vehicle structure. This means that the safety seat system provides the highest level of occupant protection in armored wheeled and tracked vehicles, even in extreme danger.



AUTOFLUG landSEAT – SAFETY SEAT SYSTEMS TO PROTECT AGAINST THREATS FROM MINES, IEDS AND CRASHES



AUTOFLUG landSEAT

Occupant protection in military vehicles is becoming more and more important among armed forces and vehicle manufacturers around the world in light of the rapidly changing operating conditions and hazard scenarios.

For military applications, AUTOFLUG safety seat systems have already successfully proven their capabilities several times. AUTOFLUG uses experience gained from driving vehicles so that it can continue to develop its seating systems and always provide the best possible protection for occupants.

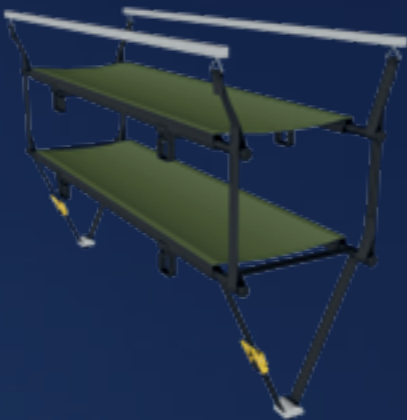
AUTOFLUG recognizes that preserving soldier's operational capabilities, even during long missions, is becoming increasingly important. This is why all AUTOFLUG seats are optimized to create maximum seat ergonomics, in order to ensure that they are ready for operation and durable.



OVERMATCH OPERATOR SD
– HIGH LEVEL OF SAFETY
WITH MINIMUM WEIGHT

OVERMATCH CREW TO
– COMPACT CONSTRUCTION
WITH HIGH COMFORT

AUTOFLUG landFLEX – MODULAR AND FLEXIBLE SYSTEM SOLUTIONS FOR SAFE TRANSPORT



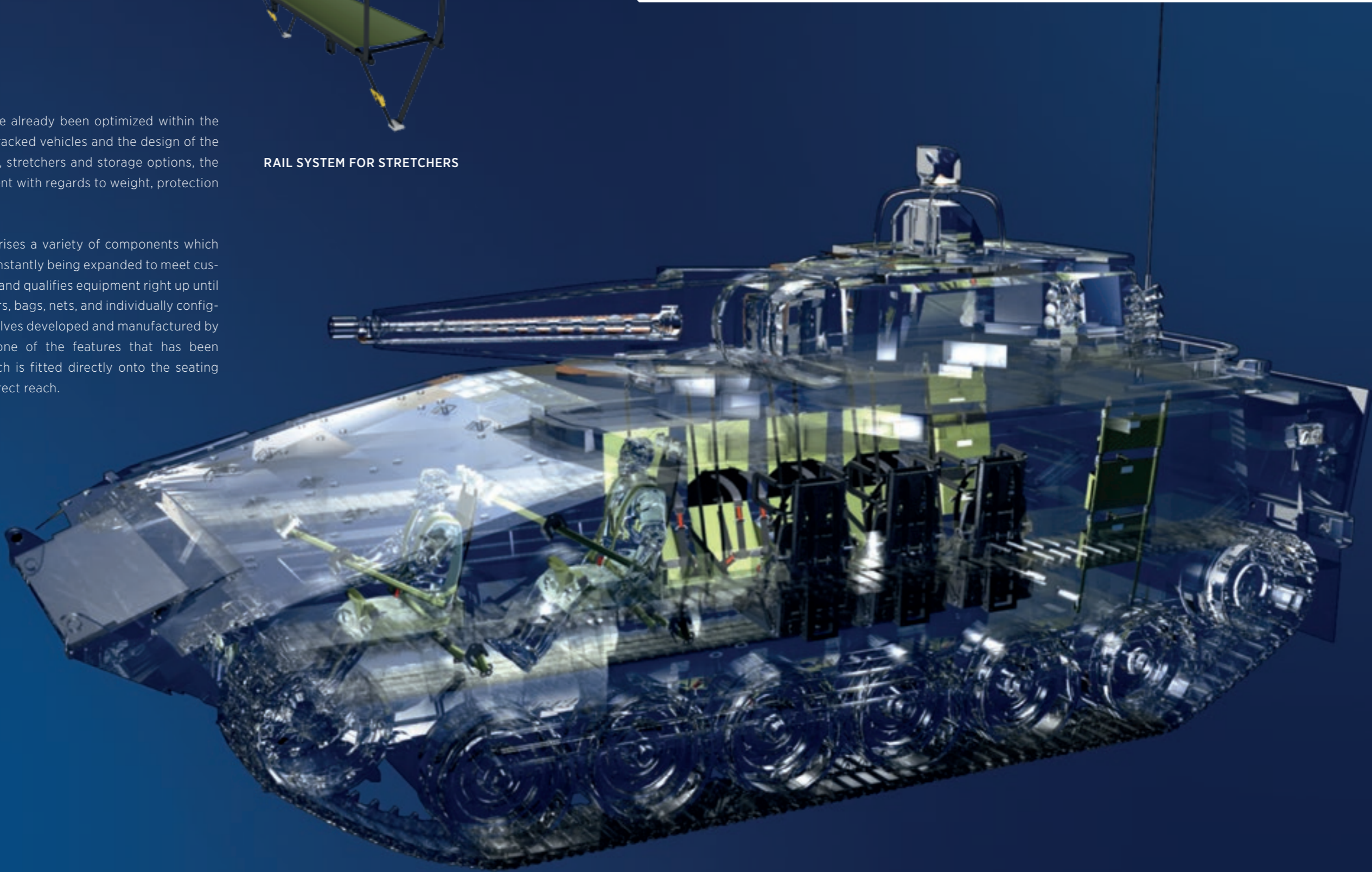
RAIL SYSTEM FOR STRETCHERS

Occupant protection and ergonomics have already been optimized within the internal design concept for wheeled and tracked vehicles and the design of the interfaces. With the clever layout of seats, stretchers and storage options, the available space is used to its optimum extent with regards to weight, protection level (crash & explosion) and functionality.

The AUTOFLUG landFLEX portfolio comprises a variety of components which can be combined together, and which is constantly being expanded to meet customer requirements. AUTOFLUG develops and qualifies equipment right up until it is approved. This includes seats, stretchers, bags, nets, and individually configurable, isolated mounting brackets and shelves developed and manufactured by AUTOFLUG. To ensure quick usability, one of the features that has been designed is a fabric weapons holder which is fitted directly onto the seating system, meaning they are always within direct reach.



STOWAGE RACK





PIONEER & INNOVATION IN RESCUE AND SAFETY TECHNOLOGY

THINKING SAFETY – This is the motto that AUTOFLUG follows. A family company in its third generation, which has been a leading supplier of products and services to the aviation industry since its early days, with the rescue and safety of people being the main focus. As a globally recognized supplier and service partner for the international aviation industry and defense technology, the company and its roughly 250 employees develop, manufacture and service a variety of textile, mechanical and electronic components and systems.

AUTOFLUG, with its headquarters in Rellingen, Schleswig-Holstein, Germany, has decades of experience and expertise in the rescue and safety industry, as well as the textile, mechanics, precision engineering, electronics, software and measurement and control technology sectors.

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