



approx. **66%**
more loading
space/
-volume

approx. **57%**
Fuel and CO₂
savings

FLEXLINER

Boost your trailer capacity!



www.langendorf.de

Two Flexliners replace three standard semitrailers

The ingenious Inloader concept:

Due to its unique chassis, the Innenlader is a special form of semitrailer. Thanks to the independent wheel suspension, specially developed by Langendorf, a continuous axle tube can be avoided. This results in a fundamentally new space concept with which it is possible to transport significantly more cargo per trip. This is particularly useful for large, indivisible loads such as flat glass and prefabricated concrete parts, as a loading height of over 3,700 mm can be realized.

With the double deck inloader, this loading height is divided into two separate loading decks with a fixed or hydraulically liftable intermediate floor.

This is precisely the principle of the innovative Langendorf Flexliner!



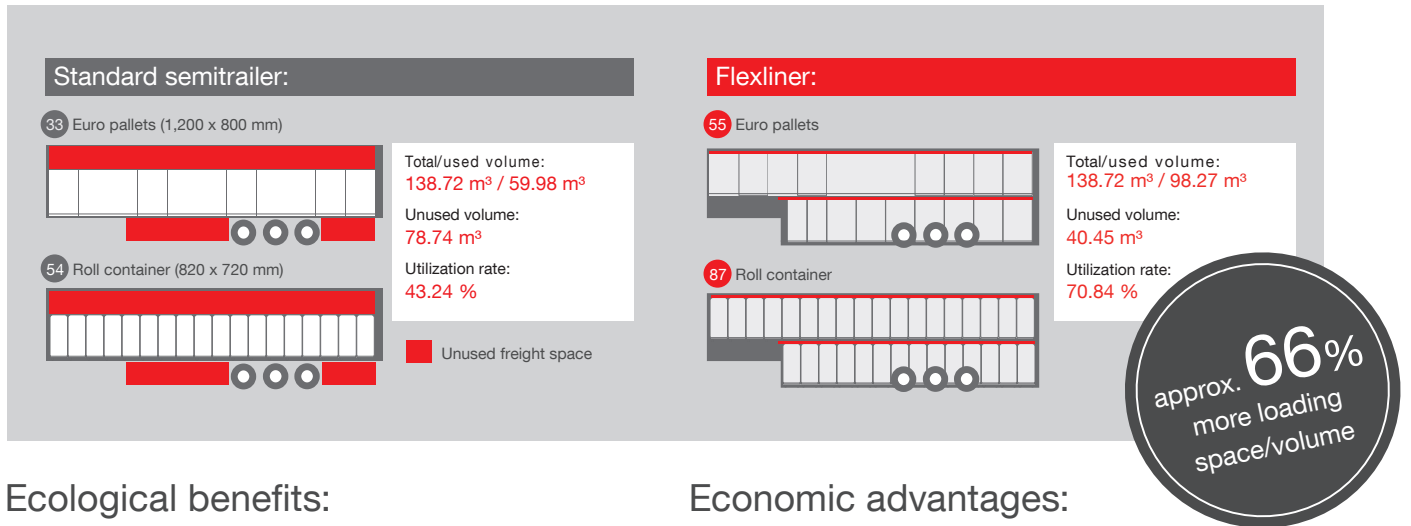
The new Langendorf Flexliner is based on an Inloader chassis with case body, which is divided into two levels by an intermediate floor. It can be loaded and unloaded by its lift, independent of a loading ramp. This unique concept allows 66% more cargo to be transported compared to a standard box trailer.

Benefits:

- ✓ Available as 2- or 3-axle semitrailer
- ✓ Usable with a standard tractor unit
- ✓ Langendorf's own proven axle system
- ✓ No legal restrictions on vehicle, driver or tours
- ✓ Used throughout a wide range of industries:
Textile, Parcel / Mail, Drugstore, Food / Non-Food
- ✓ Exclusive use of high quality brand components



Comparison standard semitrailer vs. Flexliner



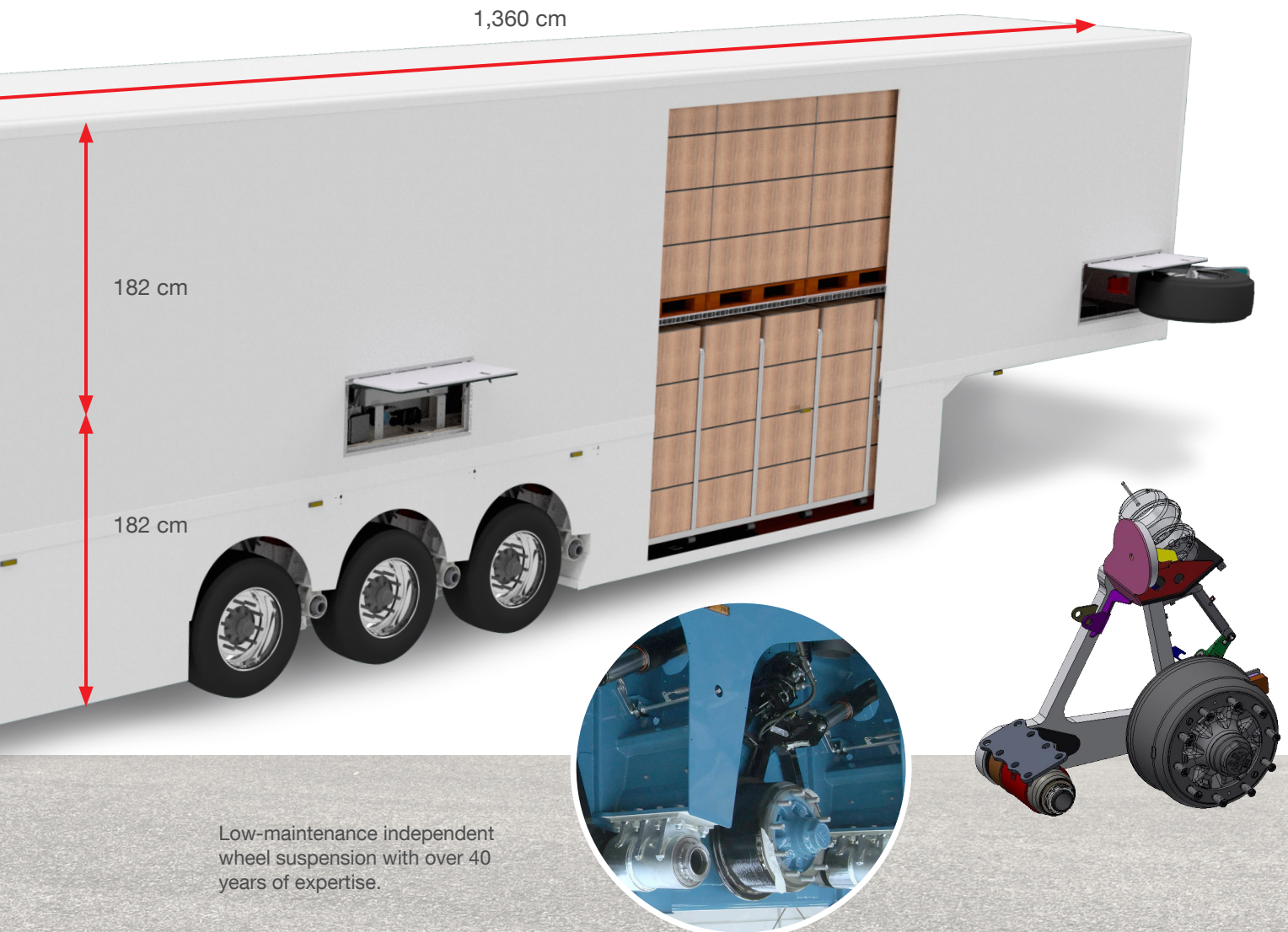
Ecological benefits:

- ✓ Less strain on the infrastructure
- ✓ Sustainable reduction of traffic volume
- ✓ Significant reduction in pollutant emissions

Economic advantages:

- ✓ Significant savings on fuel costs
- ✓ Reduction of toll charges
- ✓ More efficient use of personnel
- ✓ Significant reduction of transport unit costs

Taking into account all aspects - fuel, tolls, depreciation, drivers, insurance, taxes, maintenance - the use of Flexliners provides an overall saving of up to 33%.



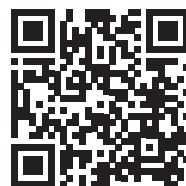
The 2-axle City-Flexliner: Excellent for urban use

Features:

- ✓ High efficiency: one City-Flexliner replaces one road train
- ✓ Ideal for urban logistics for store / market delivery
- ✓ For light transport goods with payload up to approx. 20 t
- ✓ Also available as city trailer
- ✓ High flexibility in operating and loading options
- ✓ Loading and unloading is possible at any ramp and even at ground level



The cargo interior on two levels



Watch the video

TRAILER INNOVATION

CCC 2023

WINNER

CATEGORY: CONCEPT



Options

Choose the 2-axle City-Flexliner with the following bod types:

- ✓ As long version (total length approx. 16,500 mm)
- ✓ As short version (total length approx. 11,000 mm)
- ✓ As a cooling model for dry or fresh services
- ✓ Different vertical lift variants for loading and unloading at any ramp and also at ground level, independent of loading ramps. The lifts have a lifting capacity between 2.5 - 4 t
- ✓ Possible also with self-sufficient power supply

The 3-axis Long-Range-Flexliner: Ideal for hub-to-hub logistics

Benefits:





- ✓ The more efficient alternative to the Gigaliners
- ✓ No restrictions due to StVO or permit-free
- ✓ Higher payload, approx. 22 t
- ✓ Ideal for hub traffic



Options

Choose the 3-axle Flexliner with the following body types:

- ✓ Long-Range (total towing length approx. 16,500 mm) with superstructure for dry or fresh service
- ✓ Different vertical lift variants for loading and unloading at any ramp and also at ground level, independent of loading ramps. The lifts have a lifting capacity between 2.5 - 4 t
- ✓ Possible also with self-sufficient power supply

	Articulated train	Standard Semi-trailer	Euro-KombiSemi-trailer	Langendorf-Flexliner
				
Payload	22.900 kg	25.450 kg	20.800 kg	22.000 kg
Storage spaces:				
Euro pallets	38	34	53	55
Roll container	58	54	86	87
Road requirement	156.25 m	149.50 m	100.50 m	83.00 m
Conditions	none	none	Special permit Route limitation Assistance systems Driver qualification within Germany	none



Langendorf



high tech on wheels

The innovation forge

Langendorf has been developing, producing and selling internal loaders for over for over 40 years. What began in a blacksmith's workshop developed into one of the leading driving forces in the commercial vehicle industry. Today, as part of the internationally active Wielton Group, Langendorf is the largest supplier of Innenladers and one of the technology leaders for commercial vehicle construction in the construction industry.



The Langendorf Line-Up



driving ^{my} quality
by Langendorf