

KLAAS – IT COULDN'T BE EASIER!

We are here for you

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PLEASE INFORM US ABOUT

- the new "Alufiver" trailer cranes
 renting lorry cranes

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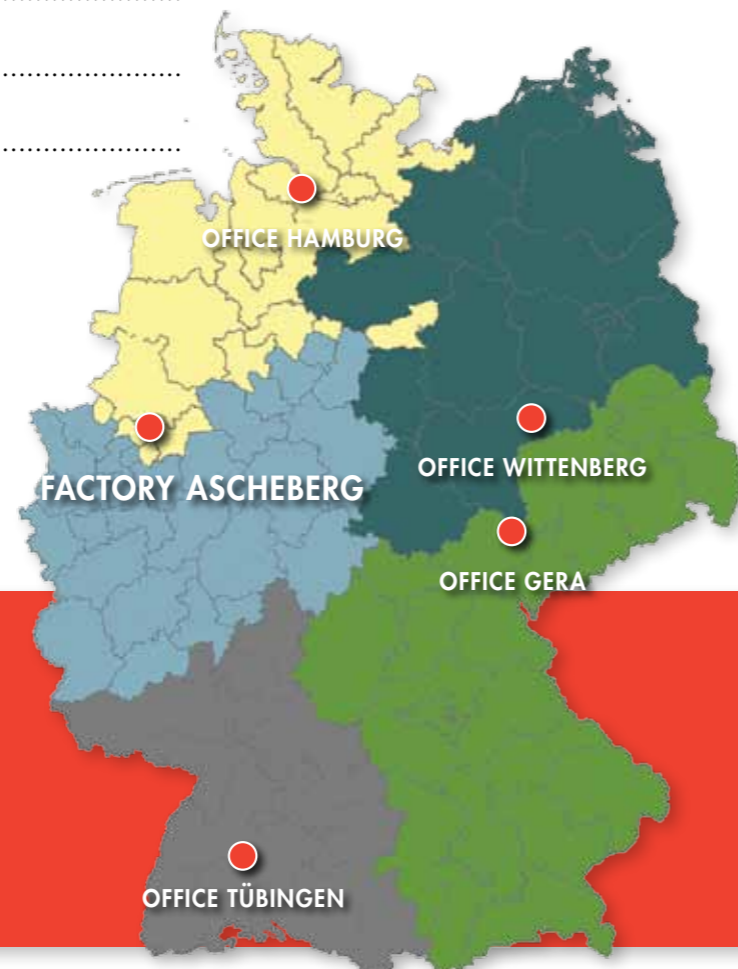
Postal code & city:

Phone:

E-mail:

Do you need further information on the Alufiver?
Write to alufiver@klaas.com

Further information and dates under
www.klaas.com in the internet.



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KLAAS

Alufiver



VARIETY OF PRODUCTS BY KLAAS

The Number 1



KLAAS – TRADITION AND PROGRESS

1933

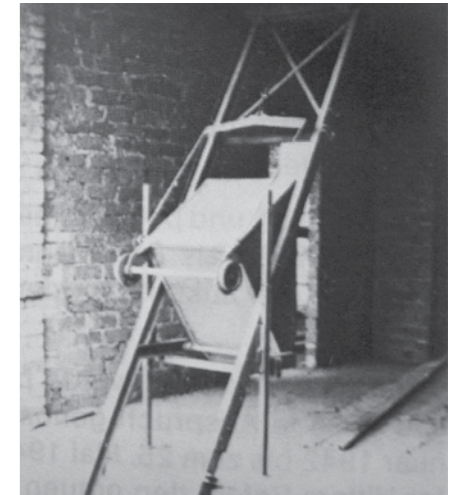


1933 Theodor Klaas founded the construction enterprise

The family enterprise Klaas exists for over 75 years. Theodor Klaas created the construction enterprise Theodor Klaas on the **07th January 1933** in Werne.

Already in **1947** the first lift was produced by order of the firm Klaas. From this initial development the construction-engine enterprise formed in January, **1954**. After the removal of the machine-building factory to Ascheberg and the entry of the **son Ludger Klaas** into the enterprise in **1969**, the company developed constantly.

The skilled electrician did – in addition to his independent activity as a managing director - the master's certificate as a locksmith. Subsequently, the **company Klaas** developed into a true idea-smithy and grew constantly. After the first aluminium-lift and furniture lifts, **a new epoch** of the company history was introduced in **1993** with the first Klaas aluminium cranes.



1947 First inclined lift

Due to this milestone, the **enterprise Klaas Alu-Kranbau GmbH** was established by Ludger Klaas on **28th April, 1995**. In the course of time, the cranes became working machines with twin-function: crane and working platform. The next innovative step was the Multistar, developed in cooperation with IVECO Magerus Brandschutztechnik GmbH. As a multifunctional machine, the Multistar shows till then unimagined ranges of application based on a compact chassis. In **2010**, Klaas presents the next advancement in fire protection engineering: the **Klaas Alufiver**. On the basis of the **Klaas alu-cranes** and the **Klaas alu-working platforms**, the **Klaas Alufiver-concept** offers a multifunctional support for the fire fighter at work.



2004 The thousandth Klaas-crane is sold

The rapid development of the company Klaas shows also in the employee numbers. At the time of foundation by Ludger Klaas in **1969**, approximately 15 employees were working in the company - today there are more than 160 employees based in Ascheberg, Gera, Lutherstadt Wittenberg, Tübingen and Hamburg. Meanwhile, the company is selling the Klaas-products globally through a strong network of traders.

With innovative products and its customer-orientated and practice-focussed company philosophy, the family business is well positioned for the future. Already the third generation is integrated into the company and works for the organization of the innovative machine-producer as a performant partner for craftsmen and fire fighters.



2010 The Klaas Alufiver

USE OUR KLAAS TECHNOLOGY FOR MORE SECURITY AND MORE CAPABILITIES.

THE NEW KLAAS „ALUFIVER“



1. CRANE-FUNCTION

The Klaas Alufiver-crane offers full functions and the easy operation of a mobile crane. The crane is completely controlled by a radio remote control. The well-proven Klaas hoisting winch lifts charges up to 2 tons. The high-tensile, light aluminium-boom allows big heights and reaches with low and medium-weight charges.

2. HUB RESCUE-PLATFORM

The 3 persons hub rescue-platform permanently balances out and is always ready for use and boarding by the truck structure. It has a load-bearing capacity of 270 kg and is rotatable laterally in both directions by 30°. The platform offers connections for electricity, water, radiophony, a water cannon and light. Furthermore, an infrared camera can be installed in the platform to enable precise extinguishing from riskless distance. Via the Klaas twin-functional radio remote control, the platform is controllable



from up to 100m distance as well as from the platform itself. The descender-automat of the platform offers roping and rescue as second escape route.

3. WATERTOWER

The integrated telescopic water-leading tube offers the fast operation of the monitor already during assembly of the mast. Time-killing installation of the water supply is not necessary. With the Klaas radio remote-control, the monitor is operable exactly without accompanying persons in the platform. Additionally, the monitor is designed for foam attacks. Further connection options in case of interior fire-combat are given in the platform.

4. LAMP POLE

6 integrated Xenon spotlights (230V) in the platform deliver brilliant illumination of the site of operation. The light cone is manoeuvrable horizontally and individually by the Klaas remote-control. Additional lights can be installed.

5. SUPPLY UNIT

The 230 V generator, integrated in the superstructure, delivers electricity to the platform by an energy chain installed inside the boom. With 2 Schuco-sockets in the rescue platform you can operate several electrical facilities. It also exists voicecommunication between rescue platform and the superstructure.

KLAAS-VARIABILITY ...



CRANE

The crane-function was developed especially for the various conditions of the fire fighters' work. Due to the compact measures, also places which are difficult to reach are accessible. On pathless terrain the Alufiver allows the salvage of vehicles, to pass equipment or the rescue of humans.



HUB RESCUE-PLATFORM

The 3 persons hub rescue-platform offers a high working benefit in many situations. From rescue from heights, via fire fighting up to utilization as a supply unit and the rescue of humans from the platform by a descender – everything is possible.



WATERARM/WATERTOWER

The integrated water supply as well as the simple and secure control of the monitor by the remote control make the fast and safe rescue operation in high altitude possible. By the use of a radio controlled camera, installed optionally in the platform, the rescue operation can be tracked in the monitor-outlook. The rescue-operations can also be made during motion (deployment, mounting...). The annoying and time-killing hose-laying drops.



LIGHTMAST

The fast and systematic illumination of different operation places can be done fast and without cable-laying.



SUPPLY-STATION

The Alufiver as a supply-station offers a manifold repertoire of possibilities on the rescue-place:

- Electricity (230 Volt/400 Volt)
- Breathable air via compressed air cylinders
- Compressed
- Water

...OFFERS MORE IN SERIES

SECURITY CONCEPT ...

- Double, ultramodern SPS/CAN BUS control for the highest security
- Optimal utilization of all performance resources
 - Gentle start-stop allows working with low vibration
 - Illuminated LCD display on the radio remote control and in the crane serially
 - Double execution of folding and main cylinders for safe working with low vibration of the mast system



BOOM SYSTEM ...

- Special aluminium alloy with high tensile
- Reduced wind force by laser-made holes
- High torsion rigidity by specific mast construction
- Higher material-strength in stressed zones
- Low proper weight by the material aluminium



FULL ENCASEMENT ...

- Spacious, lockable storing boxes
- Safe rain-protected storing of tools and accessories
- Full underride protection with integrated stair for the safe ascent
- Spacious deposit-surface on the hub rescue-equipment
- High-quality, clean optics



SUPPORTING SYSTEM ...

- The automatic support alleviates the rapid and safe set-up in stressful situations. If required, the steel-beams can also be operated manually.
- Massive steel props for a secure positioning
 - Comfortable fully-hydraulic support:
 - Continuous lateral deployment of the props
 - Continuous height-levelling of the supporting cylinders



As a multifunctional equipment, the Klaas Alufiver offers a wide spectrum of different capabilities. This guarantees a high operation-benefit and a surplus of safety for fire fighters.

THE RESULT: WORKING EQUIPMENTS WITH HIGH BENEFIT FOR YOUR WORKS.