









# THE VEHICLE THAT'S LIKE THE FIRE BRIGADE: AN ALLROUNDER.

The operational tasks required of fire brigades are becoming ever more complex and multi-layered. That's why there's more demand than ever for solutions that enable fire fighters to help people as efficiently as possible. The MAGIRUS MultiStar 2 concept combines proven vehicle configurations with a telescopic boom concept, thereby creating fire brigade vehicles with clearly enhanced tactical value. This sophisticated and compact aerial platform unit offers the ability to customise the configuration of the extinguishing agent tank, pump unit and extensively equipped compartments.





# ONE FOR ALL(S).

The MultiStar 2 can put out fires and provide assistance – and its long arm reaches almost anywhere. An unbeatable combination of advantages!

## MANY VEHICLES IN ONE: TACTICALLY AND FINANCIALLY ATTRACTIVE. ....

A universally applicable (first) response machine, the MAGIRUS MultiStar 2 can be used in practically every imaginable operation. Components of fire fighting vehicles, emergency tenders and telescopic boom platforms can be combined in one vehicle and very specifically configured to meet the individual needs of any given fire brigade. That means enhanced tactical value in fighting fires and greater efficiency and impact – especially in first response situations. This vehicle is every bit as versatile as its extremely flexible design: in sparsely populated regions or at stations without their own turntable ladder, the MultiStar 2 ensures the ability to perform rescue operations within the required time and provides the necessary level of protection.

And at the same time it also represents an economical supplement to existing aerial rescue equipment – during large-scale fire fighting operations or in response to major storms, for example.

The MultiStar 2 is altogether ideal for industrial fire brigades that need to have an aerial platform on hand in addition to their high-performance fire fighting vehicles. The MultiStar 2 fulfils both requirements with a single vehicle – which also makes it an attractive alternative from the perspective of overall cost.

With the new design continue now the MultiStar 2 the success of his proven concept: more performance, more versatility, better then ever.

### Integral combination

of aerial work platform and fire squad  
pumper or rescue vehicle







#### Extremely versatile

The MAGIRUS AluFire superstructure allows for maximum use of the available storage space. Hinged separations, rotating trays, container systems, roof boxes, etc make it possible to achieve virtually any desired loading arrangement.



#### Many superstructure variants and outfitting options

A large number of equipment options can be used to expand the MultiStar 2 to create specialised units.



# THERE ARE MANY “SMALL” REASONS WHY IT HANDLES SUCH BIG JOBS.

When you compare the MultiStar 2 with similar systems, it quickly becomes clear that the MAGIRUS vehicle is a genuine “star”. The performance characteristics and the available space are truly impressive – not least because the overall concept is just right in every detail.

- 1 The IVECO MAGIRUS all-steel cab (as standard with IVECO fire fighting chassis) offers optimal headroom and legroom. The crew has more space – to sit, to don their breathing apparatuses and to equip themselves with gear.
- 2 With all other chassis, a cab module made of aluminium can be docked to the driver's cab.
- 3 The multi-functional six-point jacking system ensures stability in every situation. The two continuous adjustable outriggers arranged laterally at the centre of the vehicle provide an excellent field of operation.
- 4 Two additional jacks are located underneath the vehicle. The jacking cylinders extend from protective square tubes. That protects them against dirt, damage and possibly freezing extinguishing water. An integrated undercarriage lighting system is also available as an option.

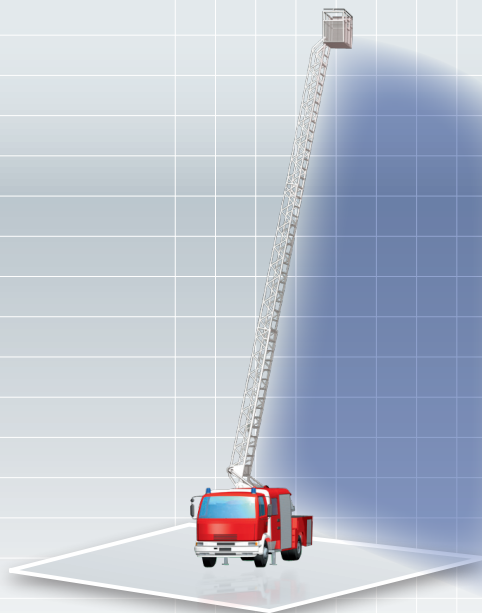


## More room

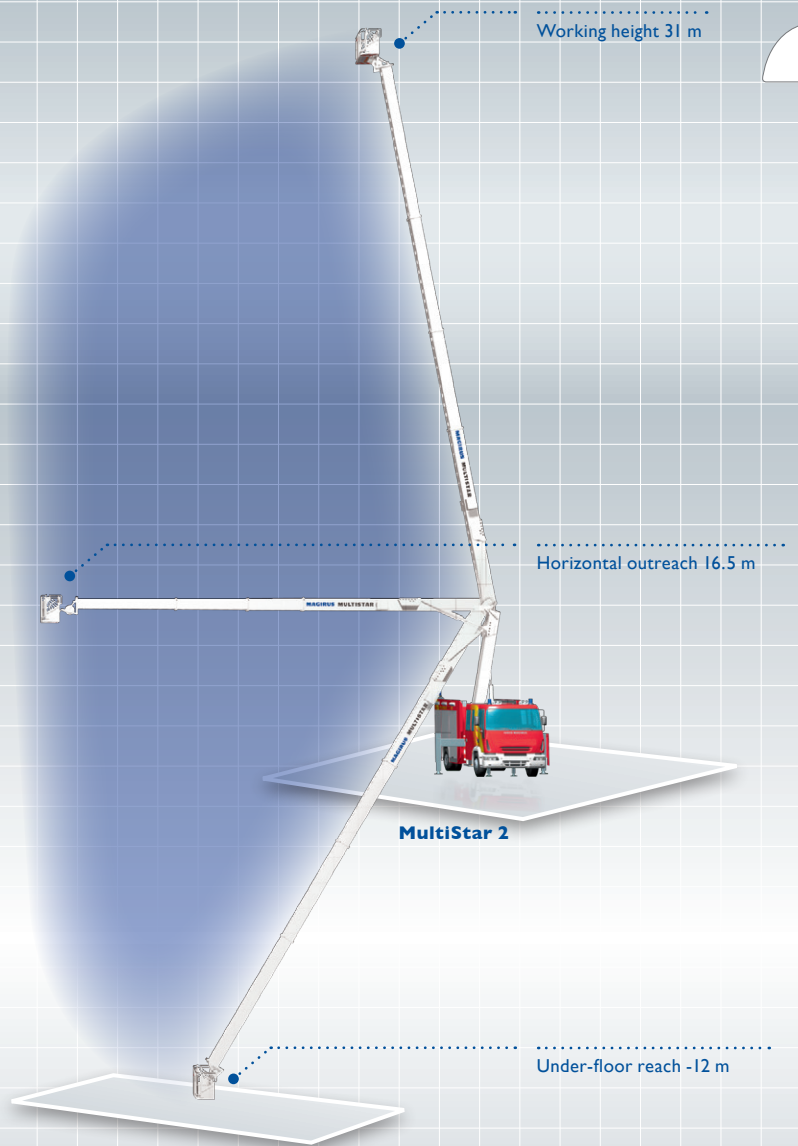
On request, seating for up to 9 persons can be installed in the cab of the MultiStar 2 – considerably more than with other comparable systems. And there is far more storage space for fire fighting equipment and extinguishing agent tanks.







Comparable product



MultiStar 2

#### More capabilities. More possibilities.

The MultiStar 2 can do almost anything – except one thing: deny its origins. The fact that the MultiStar 2 is a “full-blooded MAGIRUS” is readily apparent from the aerial platform unit: Here’s where all of the experience and tradition of the world’s leading manufacturer of turntable ladders come into play.

The boom, which features special geometry, a special elevation mechanism and precise cage levelling, offers a degree of functionality

and performance that is also unequalled on the international scale: rescue height 31 m, horizontal outreach up to 16.5 m, under-floor working range up to 12 m. Values that can pay big dividends during operations!

And as if that were not enough, MAGIRUS typically achieves this performance level on a 2-axle chassis with 18 t gross vehicle weight – yet another advantage over heavier solutions on 3-axle chassis.

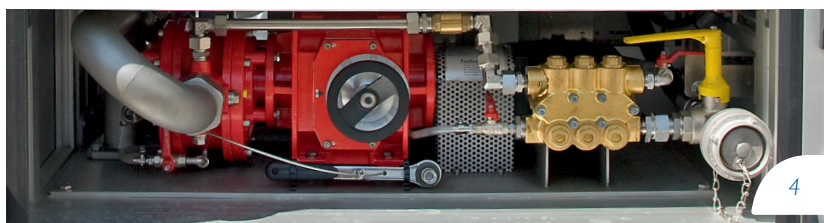
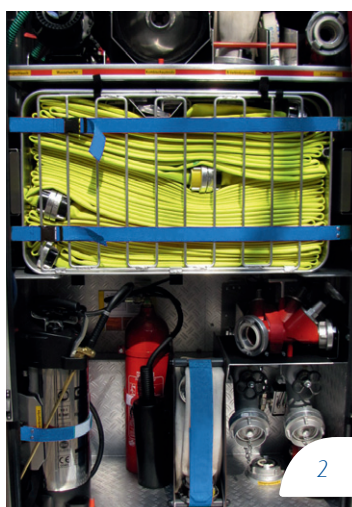




# ONE VEHICLE – TWO CONCEPTS: FIRE AND RESCUE.

## MultiStar 2 “Fire”

- 1 In the equipment lockers are stowed quick attack reels (fold-out hose window), mobile transport boxes and various fittings
- 2 The hose-trays are ergonomically placed directly over the related fittings
- 3 The MAGIRUS HMI pump control unit is a modern operating system that can be used quickly and easily, even by users with no computer experience. The control unit is remote diagnostics capable for telematic systems.
- 4 The MAGIRUS FireDos® foam proportioner ensures constant mixing rates – even when flows or operating pressures vary.







### MultiStar 2 „Rescue“

- 1 All at the right place, ergonomically stored according to operational-tactical guidelines.
- 2 Hinged separations and rotating trays allow to maximum utilize the available space.
- 3 Practical carrying container of aluminium which are not only at hand with one grip but also protect the vehicle against dirtying
- 4 Rotating trays and slide tracks make easy to remove hydraulic rescue tools. The stable rotating cases are smooth-running and can be locked in any position by one hand.



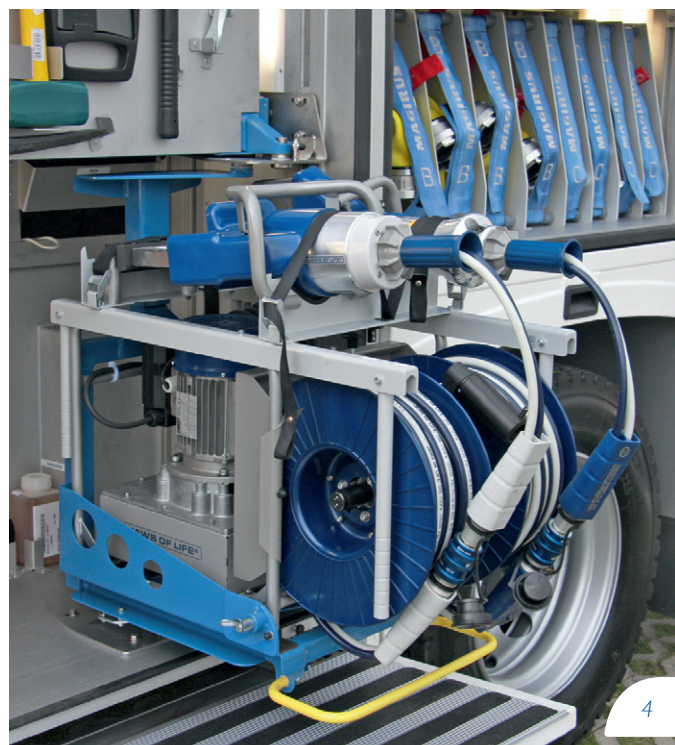
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2



3



4



# ONE BOOM – MANY TASKS.

It extends higher and reaches deeper than the others. But the advantages of the MultiStar's telescopic boom don't stop there.

## RC 300 3-person cage

with two multi-function columns for mounting accessories such as water monitors or positive pressure ventilator – singly or simultaneously

## Water monitor

During fire fighting operations, a permanently installed waterway pumps 2,000 l/min to the cage.

## Sophisticated aerial platform

with typical MAGIRUS features and CAN bus control system. Now in new design.

## Crane

In the crane function, the boom can carry up to 1.3 t at 7 m outreach. Even at full outreach (16.5 m), it can still lift an impressive 500 kg.





## OPENS. EXTINGUISHES. ILLUMINATES. LIFTS. AND MUCH, MUCH MORE.

The MultiStar 2 boom is made of aluminium and features a weight-to-load ratio unmatched anywhere in the world. This makes it exceptionally versatile and expandable to meet individual requirements. Replacing the cage with floodlights, a piercing nozzle or a variety of high-performance monitors, for example, converts the MultiStar 2 into a lighting platform, a fire extinguishing boom, etc, etc, etc... When loaded with equipment perfectly matched to the specific needs of a fire brigade, the combined vehicle provides perfect multi-functionality.

- 1 With its large under-floor reach, the MultiStar 2 is ideal for working near or on water, for example, and along embankments.
- 2 The relevant equipment (partly available as an option) – e.g. combined pump, prepped waterway to the cage, manual or electrically remote controlled monitors – turn the MultiStar 2 into a high-performance fire fighting tool.
- 3 Its special boom geometry also lets fire brigades use the MultiStar 2 in tight places. Optionally available auxiliary rear axle steering makes the vehicle even more manoeuvrable.
- 4 A lighting mast (optional) ensures good visibility even during night-time operations. The telescopic boom serves here as a crane.



### FIRECAN compatibility

A standardised interface between superstructure and components enables the exchange components of various manufacturers (plug-and-play) and to implement centralised diagnostics for the built-in components.



1



2



3



4





IVECO MAGIRUS supplies everything from under one roof:

- a globally unique, complete range of vehicles for fire fighting, aerial rescue and civil protection
- chassis, cab, equipment compartment arrangement, outfitting and pumps
- 145 years of experience and the power of continuous innovation

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