



# The Mercedes-Benz Econic



Mercedes-Benz  
Trucks you can trust

# Drive the solution to tomorrow's challenges today

After more than ten years of continuous development, the Econic offers a solution for just about any transport requirement in the fields of municipal, collection and distribution services. The excellent ergonomics and efficiency of the Econic make it the convincing choice on every count.

This unique vehicle concept is the result of an equally innovative manufacturing concept: the engineering expertise of Mercedes-Benz, which has been proven in the millions of vehicles produced in the company's volume manufacturing sector, provides the basis, while tailor-made solutions give the Econic the specialist attributes – both inside and out – which allow it to be used universally. Of course, the needs of the users are only one of the factors which we have addressed in the course of the development of the Econic; the environment has also been one of the principal considerations. As a consequence, the Econic complies the emissions standard EEV.

Eco-friendliness which also makes excellent economic sense: the extremely quiet gas-driven Econic in particular effectively demonstrates how economical environmental protection can be. In fact, as well as dealing with the challenges of everyday work, the Econic ensures that you are well prepared for the demands of the future too.



### The Vehicle Concept

- Ergonomic low-entry cab
- Low-floor frame with good body-mounting ability
- Various, customer-specific chassis variants
- Electro-hydraulically steered forward-trailing/trailing axle
- Raising/lowering system
- Adaptive all-round air suspension



### Cost-effectiveness and Environmental Compatibility

- Economical BlueTec®EEV diesel engines
- Environment-friendly natural-gas engine
- CO<sub>2</sub>-neutral when running on biogas
- Fuel-saving automatic transmission
- Low-wear brake system
- High-stability suspension



### Safety

- Panoramic cab windows
- Mirror array extends field of vision
- Inward-opening co-driver door
- Cab complies with ECE R29/2 crash safety requirements



### Applications

- Two cab variants
- Very wide range of chassis variants (e.g. semi-trailer truck)
- Customer-specific body versions
- Load-bearing rear axle
- Powerful engines
- Customer-specific vehicle versions

Advantage:  
Save two steps

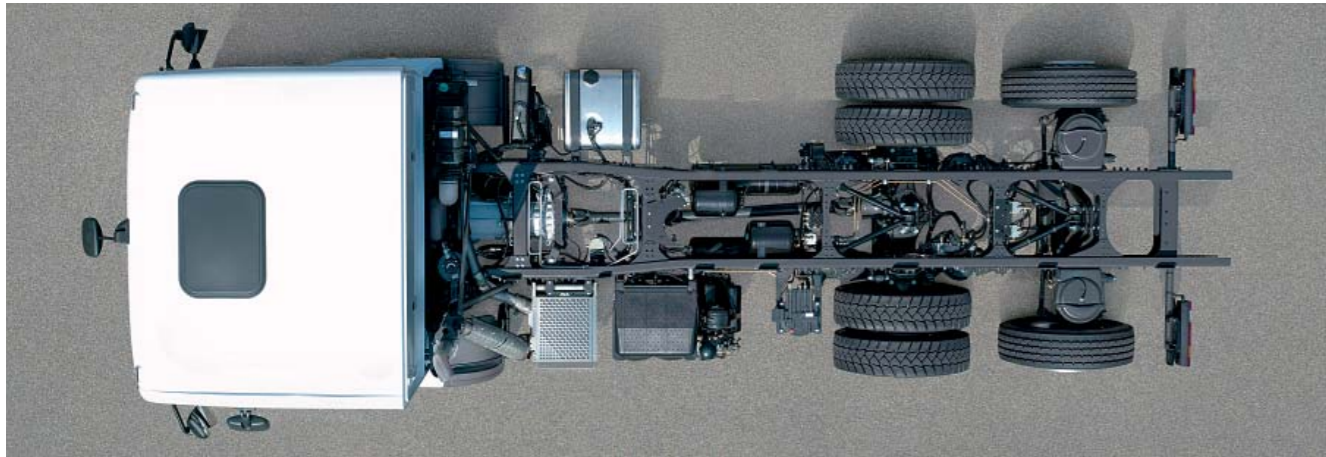


# Efficient, flexible, ergonomic. The Econic low-floor concept

Sometimes, less is more: the low-floor concept makes it particularly easy to get in and out of the cab which also has a completely level floor. Ergonomic working practices put less strain on people and equipment, sickness levels fall while efficiency and motivation rise.

As well as delivering benefits in terms of ergonomics and efficiency, the low-floor concept offers maximum flexibility when it comes to the range of bodies which can be fitted: they can be lower and more compact while still offering the same cargo volume and payload.

Roadholding also benefits greatly from the Econic's low-frame design and the resulting low centre of gravity. The electro-hydraulically steered forward-trailing/trailing axle makes the Econic extremely manoeuvrable while the standard-fit all-round air suspension – with an optional integrated raising/lowering system as standard – provides optimum ride comfort.



**Low-floor concept:** the low-floor frame of the Econic offers maximum flexibility thanks to its good body-mounting ability

### Your advantages at a glance:

- ✓ Ergonomic low-entry cab
- ✓ Low-floor frame with good body-mounting ability
- ✓ Very wide range of chassis variants
- ✓ Electro-hydraulically steered forward-trailing/trailing axle
- ✓ Raising/lowering function as standard
- ✓ All-round air suspension as standard



**Conventional cab:** entering a conventional cab involves a climb. Steps of differing heights (1–4) increase the time required to perform work processes



**Econic low-entry design:** boarding the Econic involves only one (1–2) step – protected by its integrated position in the cab, it has a rugged surface for optimum grip and fast boarding/alighting



**Forward-trailing or trailing axle:** the optional electro-hydraulically steered forward-trailing or trailing axle makes the Econic extremely manoeuvrable



**Raising/lowering function:** depending on the variant and application, the raising/lowering function allows the Econic to be raised by up to 200 mm and lowered by as much as 60 mm

# Another comfortably spacious four-seater from Mercedes: the Econic cab

The design of the Econic cab focuses firmly on the needs of the driver and crew: the level floor, the interior width of 2,133 mm, the interior length of 1,770 mm and the full standing height of 193 cm (in the standard cab) provide optimum accommodation for up to four occupants.

In fact, the space offered by the Econic makes it easy for the crew to change into their work clothes (which can be stored conveniently in the numerous stowage facilities and compartments) while standing up.

They can also get in and out of the vehicle safely and easily thanks to the low-floor concept and the 620 mm wide pneumatically operated folding door. Negotiating streets clogged with parked vehicles is also made much easier as the cab has large panoramic windows; correspondingly effective heat protection measures as well as a powerful ventilation system are, of course, also provided.

The low crew seating position enhances visibility from the driving position while also putting the driver on “equal terms” with other road users and pedestrians

rather than looking down on them. All the controls in the Econic cab are arranged ergonomically for efficient working while the low top edge of the instrument panel improves visibility even further.

It goes without saying that particular emphasis is placed on safety: the cabs have a lightweight aluminium space-cage structure and meet the requirements of the ECE R29/2 crash-test standard.



**Instrument panel:** the central axle-load measuring system provides a continuous display of the current load status and the gross weight of the individual axles

Your advantages at a glance:

- ✓ Level floor throughout the cab
- ✓ Full standing height in standard cab
- ✓ Modular co-driver seating for a crew of up to four (including driver)
- ✓ Panoramic cab windows
- ✓ Crash-tested in accordance with ECE standard R29/2
- ✓ Practical stowage facilities and compartments for work clothes and equipment



**Pre-installation for communications equipment:** four DIN slots in the area above the windscreen provide a secure, easily accessible installation space for the tachograph, Toll Collect unit or FleetBoard unit



**Height-adjustable steering wheel, driver's suspension seat and individual seats:** the Econic offers an outstanding level of workplace comfort



**Height of convenience:** the level floor throughout and the standing height of 193 cm in the standard cab provide optimum accommodation for up to four occupants

Disposes of your  
environmental  
concerns too

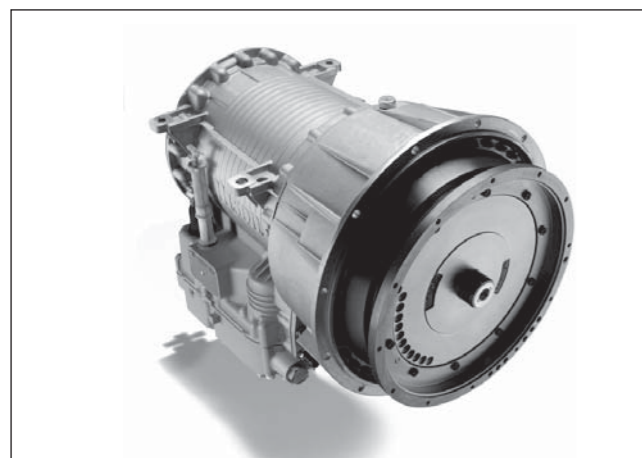


# A power of good. Economical BlueTec®EEV Technology

The engines which drive specialised vehicles such as the Econic have to be able to cope with considerable demands associated with everything from stop-and-go operation to the frequent use of power take-offs. At the same time, ever more rigorous environmental-protection and emission-control regulations, rising fuel prices and additional burdens such as restrictions on vehicle operation in particular zones create a need for engines with a low environmental impact – engines like the fuel-efficient, low-noise and low-emission powerplants which can be found in the Econic.

The engine line-up comprises three 6-cylinder diesel units with outputs from 175 to 240 kW (from 238 to 326 hp). All comply with the EU's Euro 5 emissions standard and are based on innovative BlueTec®EEV Technology.

The rugged, low-maintenance BlueTec®EEV engines are ideally suited to the extremely demanding working conditions in the municipal services sector. At the same time, they cut particulate emissions and develop more power.



Allison automatic transmission: the automatic transmission with push-button controls reduces fuel consumption



#### Your advantages at a glance:

- ✓ Economical engines
- ✓ Exemption from operating restrictions, even in low-emission zones
- ✓ High resale value
- ✓ BlueTec®EEV as plus for public tenders
- ✓ Tax breaks throughout Europe

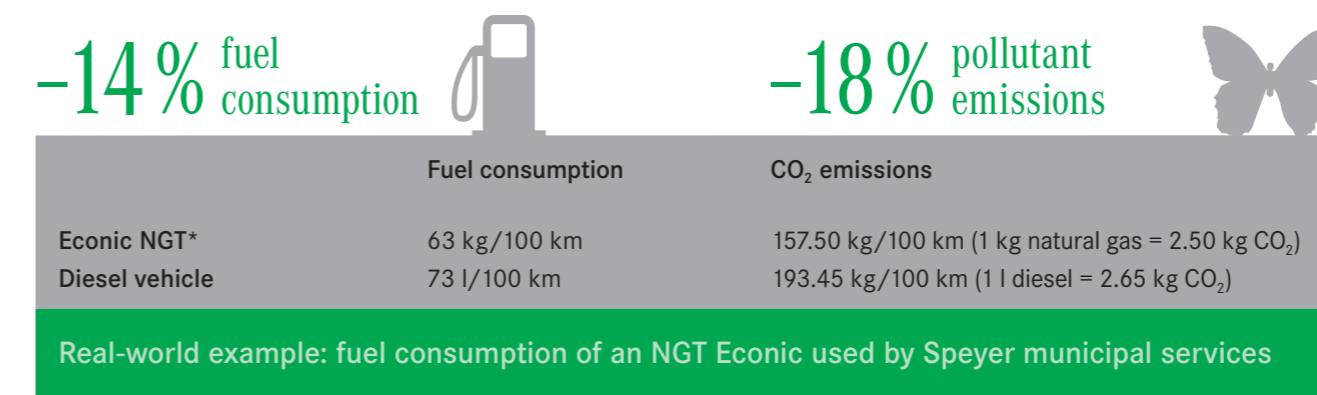
# Good for the environment, good for costs. Econic gas technology

In addition to its many other qualities, the Econic represents an important step forward with regard to drive technology and active protection of the environment: as well as satisfying ECE regulation R110 (the European safety standard governing gas-engines, natural-gas tanks, valves and lines), the Econic NGT complies with the rigorous EEV (Enhanced Environmentally friendly Vehicle) standard. In fact, its CO<sub>2</sub> emissions already fall below the limits set by the Euro 5 standard and are virtually non-existent when running on biogas.

Natural gas contains next to no pollutant precursors and therefore burns particularly cleanly. And that's not all:

the more gentle combustion process makes for extremely smooth running. As a result, noise emissions from the gas engine are as much as 50% lower than those from a diesel engine equipped with noise encapsulation. It all adds up to good news, both for the environment and for local residents troubled by traffic noise.

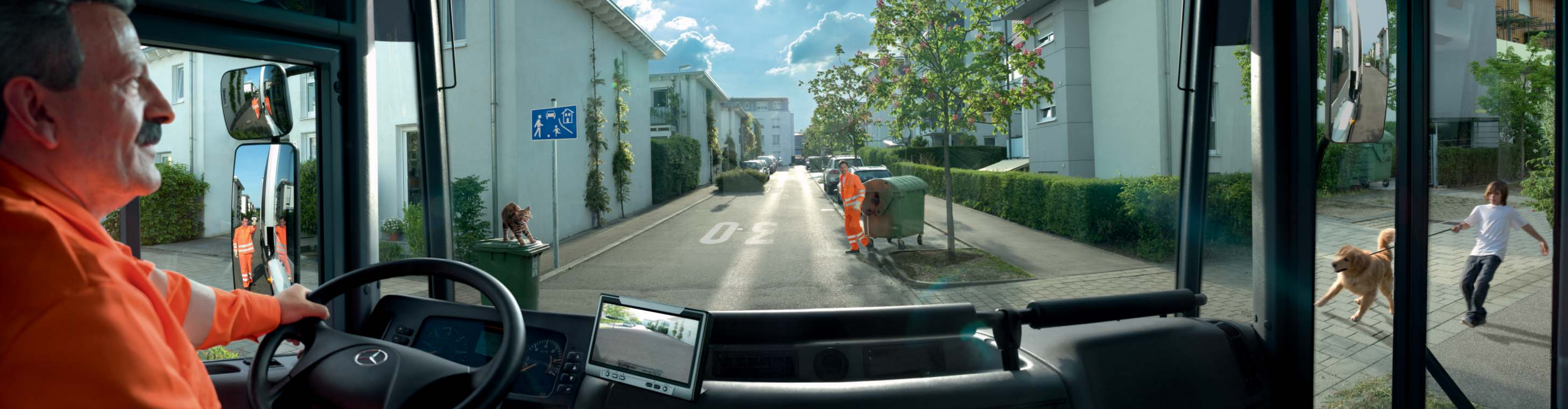
With its output of 205 kW (279 hp) and maximum torque of 1,000 Nm, the Econic natural-gas engine is able to take the demands of everyday work in its stride. The fully electronic engine management system ensures optimum mixture preparation. In fact, with the Econic, the savings start at the filling station thanks to the significantly lower fuel prices which it enjoys.



\* Natural Gas Technology

#### Your advantages at a glance:

- ✓ EEV-certified
- ✓ Significantly reduced operating costs
- ✓ Effective avoidance of particulate/fine particulate emissions
- ✓ 50% lower noise emission
- ✓ CO<sub>2</sub>-neutral when running on biogas
- ✓ High image value



Now blind spots have nowhere to hide



# All-round visibility – because seeing is anticipating.

## The Econic safety concept

The Econic's large panoramic windows, the low top edge of the instrument panel and the fully-glazed folding door make for outstanding visibility and allow the vehicle to be manoeuvred extremely accurately. As a result, kerbing damage occurs noticeably less frequently. Visibility is enhanced even further by the modified mirror array, featuring a wide-angle mirror on the driver's side fitted above the main mirror which now has a wider field of view, as well as the optional reversing camera.



**Aluminium space-cage cab:** the Econic cabs have a lightweight aluminium space-cage structure and meet the requirements of the European ECE R29/2 crash-test standard

In order to ensure that the large window areas which make this excellent visibility possible do not turn the cab into a greenhouse, the glass surfaces of the Econic are coated with heat-reflecting film, which is complemented by anti-glare roller sunblinds. A well-designed ventilation concept and the air conditioning system create a pleasant interior climate, even on hot summer days.

**Safety at work:** the Econic's aluminium "space-cage" cab meets the requirements of the ECE R29/2 crash-test standard. As the pendulum impact test, roof strength test and rear-wall strength test show, the Econic offers optimum protection in every situation.



**Grab handle:** the optional, integrated grab handle on the upper face of the instrument panel enhances co-driver safety

**Your advantages at a glance:**

- ✓ Inward-opening co-driver door for greater protection
- ✓ Mirror array with wide-angle mirrors
- ✓ Crash-tested aluminium space-cage cab
- ✓ Effective sun and heat protection



**A better view:** optimum visibility is ensured by the modified mirror array (1) with the upper wide-angle mirror and, below it, the main mirror, as well as by the optional reversing camera (2). The one-piece sunblind (3) offers effective dazzle protection even when the sun is low in the sky

Fits into your fleet too



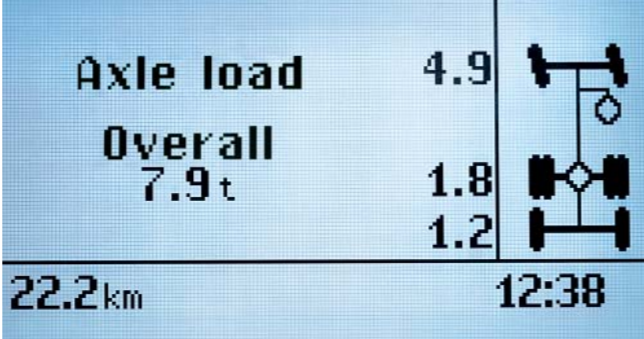
# As diverse as the challenges they're designed to meet. The variants

Characterised by exceptional versatility and flexibility – as a result of having been specially developed for a very wide range of truck applications, from municipal services to collection work to distribution – the Econic offers exceptional scope for individualisation in line with the requirements of your particular field of activity. This means that it adapts to your needs, rather than the other way round.

Specialised and yet universal: from the application-specific positioning of components and attachments to special wheelbases and bodies, the Econic makes it possible to create practical vehicle solutions in which almost every customer requirement can be implemented. The range of factory-integrated variant features includes: the two (high and low) cab variants, a choice of four chassis with wheelbases from 3,450 to 5,100 mm, two, three or four axles, a maximum axle payload of 7.9 tonnes and a permissible gross vehicle weight of 18 to 32 tonnes.

The rugged two-part low frame is available ex-works with the universal 50 mm pre-drilled hole pattern. This allows the vehicle to be equipped with individualised, economical body solutions without the need for additional drilling which could compromise the cathodic corrosion protection.

You can also specify vehicle variants – such as Econic fire-fighting vehicles, tractor units, swap-body systems or air-field fuel tankers – specially tailored to your requirements.



Axle load measuring system: this provides a reliable, continuous display of the current load status and the gross weight of the individual axles

- Your advantages at a glance:
- ✓ Two cab variants
  - ✓ Two, three, or four axles
  - ✓ 18 to 32 tonnes gross vehicle weight
  - ✓ Rugged low frame with universal mounting hole pattern
  - ✓ Customer-specific vehicle versions



Cab variants: the low cab allows the use of higher bodies while the high cab offers more comfort

# Demanding roles call for star performers.

## The Econic in action



Econic turntable ladder vehicle: with an overall height of just three metres, it can reach the scene of the emergency quickly and directly without having to avoid low underpasses



Econic Catering vehicle: with scissor lift the Econic can easily supply all types of aircraft



Econic airfield fuel tanker: thanks to its low-floor frame with good body-mounting ability and low centre of gravity, the Econic makes an ideal airfield tanker



Econic NGT Semi-Trailer truck: with its eco-friendly gas engine the Econic is ideal for distribution in urban and environmental zones

# At a glance: the advantages of the Econic low-floor concept

The Econic is a true, special truck that provides all features that you expect from it on a daily basis: the quality of a Mercedes-Benz truck combined with comfort, economical running, environmental compatibility and uncompromising operational reliability.

### Low-floor concept

Ergonomic low-entry cab in two variants

Low frame with easy add-on capability

Electro-hydraulic, progressively steered front or rear axle

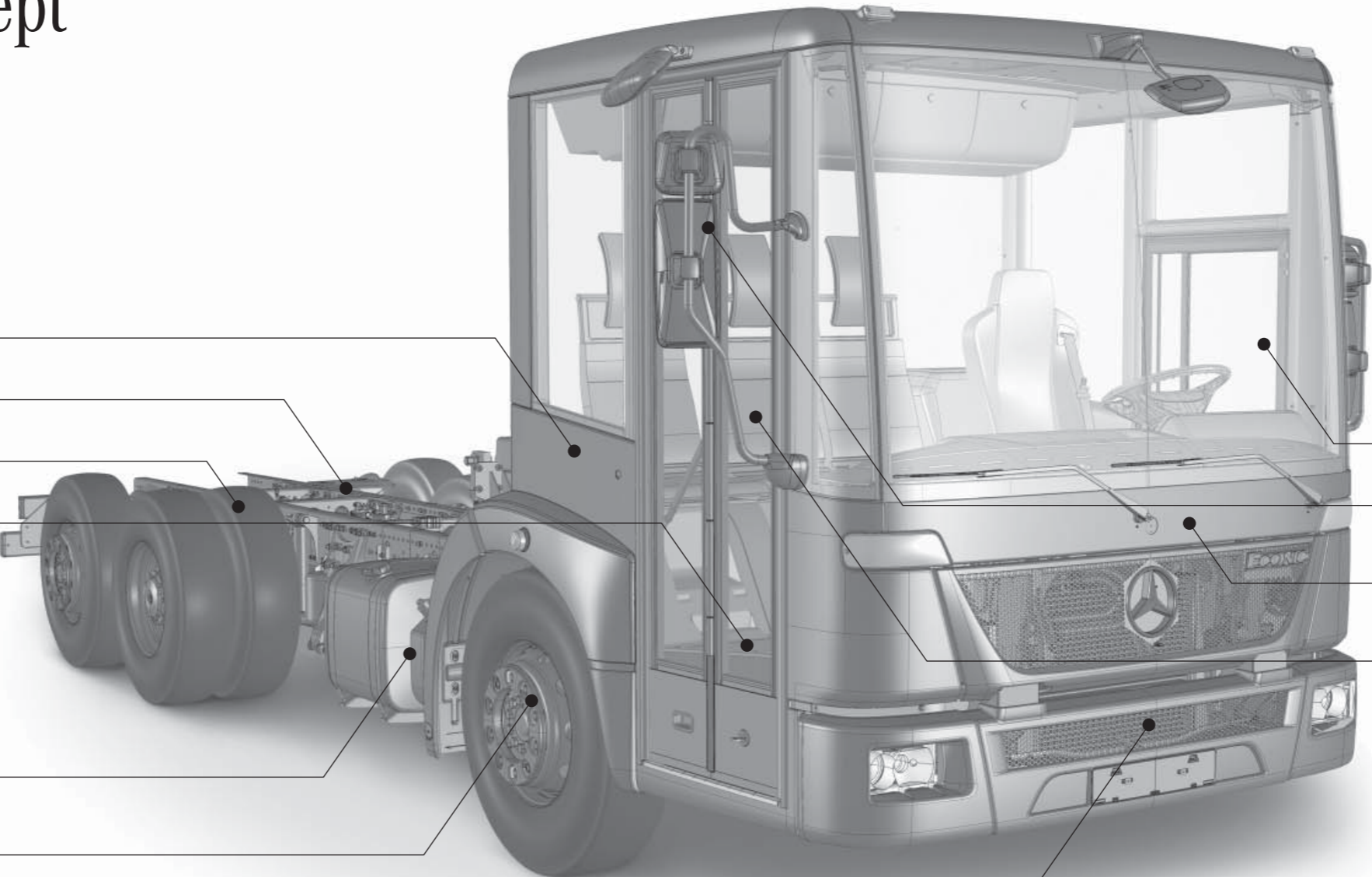
Flat cab floor throughout

### Economic efficiency and the environment

Fuel-efficient BlueTec®EEV diesel engines or eco-friendly NGT natural gas engine

Wear-resistant braking system

Fuel-saving Allison 6-speed automatic transmission



### Safety

Large panoramic windows

Wide-angle mirror system

Cab crash-tested in accordance with ECE R 29/2 standard

Full-height glass-panelled folding door



# Always there when you need us. Worldwide service from Mercedes-Benz

Wherever there is an Econic, we are never far away. Due to our more than 1,000 service outlets throughout the world, support for your Econic can reach you fast whenever you require it. With services that are just as reliable, flexible and up-to-date as the Econic itself. From our rapid parts service or repairs and maintenance, on up to tailor-made financing or leasing packages.

For more information, visit us on the internet at  
[www.mercedes-benz.com/econic](http://www.mercedes-benz.com/econic)



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