

#### Mubea



- Family-owned business since 1916
- World market leader in the development and manufacture of complex automotive components

- Innovative lightweight specialist
- Vertical integration from raw material to end product
- Focus on technical innovations and sustainable business development with an impact on the environment







#### Mubea in numbers 2024



3,600 millions € turnover

17,500

employees

58
locations worldwide

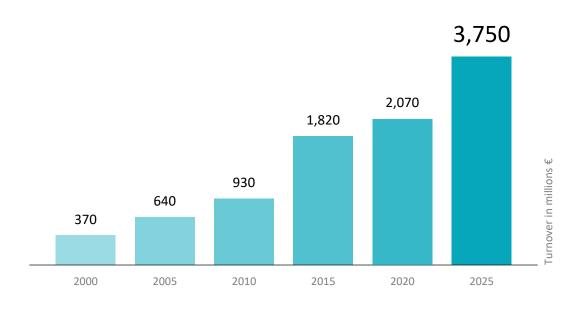
10 % investment ratio as a

proportion of turnover

10,000 submitted improvement

suggestions

109 years of experience



#### **Our mission**



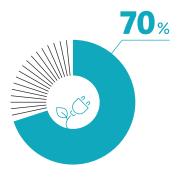
## Mubea U-Mobility – Change the way you move



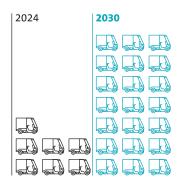
- → Big changes start on a small scale. Everyone can contribute to shaping a more sustainable and liveable future. Smart technologies are helping us to change mobility in cities.
- → With our unique micromobility products Cargo and XBoard, we are getting people excited about e-mobility, challenging the status quo and actively driving change. Made in Germany.

## E-mobility in the fast lane

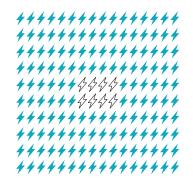




**Desire for mobility alternatives** 70% of employees want environmentally friendly mobility alternatives.



Change in vehicle fleets
Compared to 2024, three times as many vehicles with alternative drives will be on the road in German fleets in 2030.



Electric vehicles in use By 2030, 160 million batterypowered electric vehicles are forecast worldwide.

#### **E-Volution**



#### **Avoid emissions**

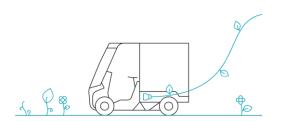
Unlike internal combustion engine vehicles, electric vehicles do not produce direct carbon dioxide emissions and other harmful and hot exhaust gases. In cities, their use directly improves climate and air quality and does not contribute to climate change through direct emissions. This means that we can all breathe easily.

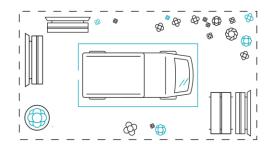
#### **Reduce space requirements**

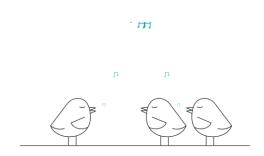
Due to their expansive design, conventional vans take up a lot of space on the road, especially when parked. eCargobikes require much less space. Therefore, they improve traffic flow, leave more room for pedestrians and cyclists, and enable more efficient use of urban space overall. This way, more efficiency and relaxation is achieved.

#### **Reduce noise pollution**

Vehicles with combustion engines produce a lot of noise, which has a negative impact on health and quality of life, especially in the city. eCargobikes, which are much quieter in operation, reduce noise stress in urban areas and improve the quality of life for residents. It's simply easier to live quietly.







## **Product portfolio**







**CARGO** 

**X**BOARD



**CARGO** 

When over 100 years of experience in automotive development, the most innovative production technology and passion flow into the development of a cargo bike, a new type of vehicle is created an eCargobike that changes the status quo.

## Our Cargo family provides solutions for every application











- Chainless Powertrain
- Two-speed transmission with boost gear
- Max. gradeability under full load 18 %
- Max. electrically assisted speed 25 km/h
- Electric drive-off assistance (pushing aid) up to 4 km/h
- Integrated reverse gear, reversing light, warning light & beep
- Gross vehicle weight 600 kg
- Payload up to 200 kg (Box)
- Dimension box (L 1,630 mm x B 912 mm x H 1,321 mm)
- Box interior volume 2.0 m³ (2,000 l)
- Small turning circle(< 6.750 mm)</li>
- Replaceable battery system with up to 2 slots (2 x 1,440 Wh)
- Max. range up to 50 km (with 2 slots)

10

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### Bike at heart, built like a car

Premium technology from the automotive industry sets standards in terms of robustness, functionality, payload and driving safety!

((0))	Safe parking	Double parking lock with RFID Quick-Lock and electronic parking brake.
	Boosting you uphill	With a gradeability of up to 18% - fully loaded!
	The art of safe maneuvering	Warning light, beep & maneuvering mode ensure safe reversing & easy parking.
	Tireless on the road	Low-maintenance, chainless powertrain for less wear, costs and service times.









## **Product portfolio**



**PACK** 

from 17,500 € up



**WORK** 

from 18,000 € up





from 16,500 € up



**BASE** 

from 16,000 € up



The vehicles shown may not correspond to the current product offering.

## Cargo in use













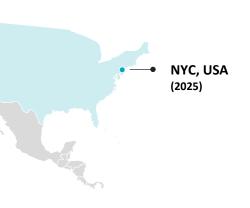
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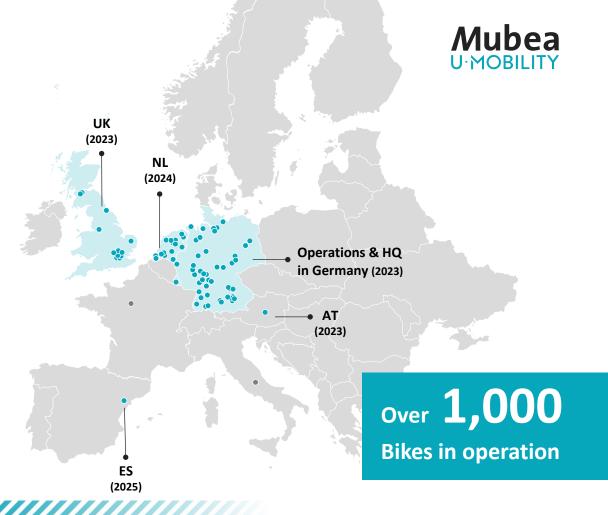
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### Cargo around the world

Our eCargobikes are already in use internationally - and further locations are scheduled.

- In use
- scheduled





#### **Target group**

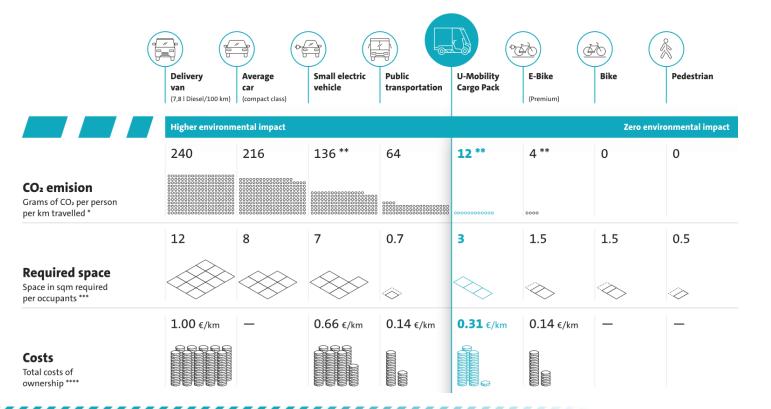


Whether it's parcel delivery, campus logistics, advertising platform or providing services, as a single vehicle or in a fleet – we offer strong solutions for every industry.

#### **Business application / B2B** Parcel delivery for urban logistics Delivery transport Catering services Mail deliveries Industrial companies with campus Industrial / business parks Campus transport Vacation resorts / recreational park National parks or zoos Healthcare services Service related Craftsmen Facility management transports City / municipal administration "Car-free" housing estates Other transports Historic town centers Spas & islands



## Small CO<sub>2</sub> footprint. Space-saving. Low cost of ownership.



<sup>\*</sup> Based on calculations by the Institute for Energy and Environmental Research Heidelberg; source: Quarks 04/2022 (https://www.quarks.de/umwelt/klima wandel/co2-rechner-fuer-autoflugzeug-und-co/)

<sup>\*\*</sup> German electricity mix

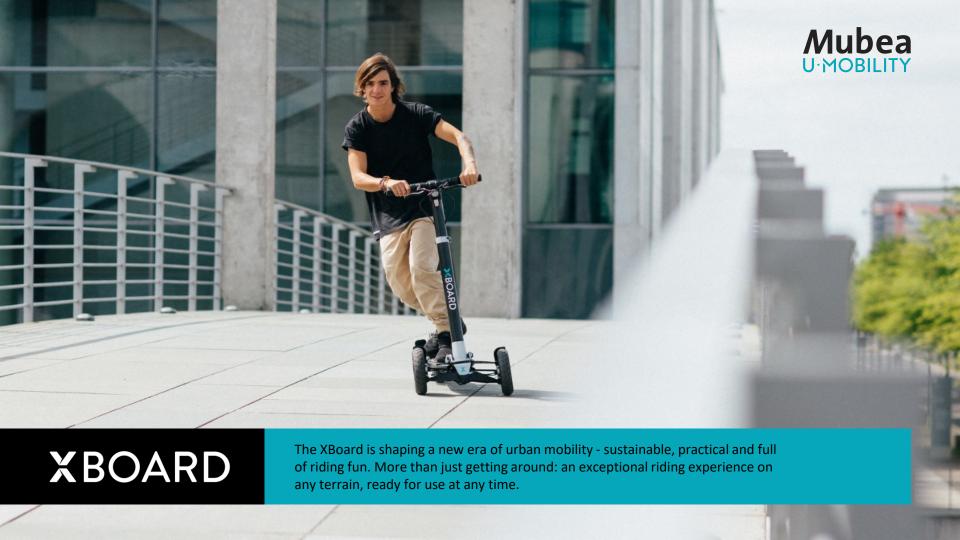
<sup>\*\*\*</sup> in-house assumptions

<sup>\*\*\*\*</sup> Based on calculations by ADAC & in-house assumptions (Unit price + Operating costs + Service + Tax + Insurance Package)

## **Total Cost of Ownership (TCO)**



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### Our XBoard – Light. Powerful. Flexible.





- Mubea powertrain
- Lightweight folding frame with a one-click folding mechanism made of magnesium, carbon fiber and glass fiber plastic
- 48 V lithium-ion battery, 321 Wh & 2.5 h charging time
- Full suspension front & rear
- Hydraulic disc brakes front & rear plus motor brake via button on the handlebar
- Three pneumatic tires (8.5 inches)
- Gradient capability up to 20%
- Range up to 30 km
- 18 kg incl. battery











Made in Germany

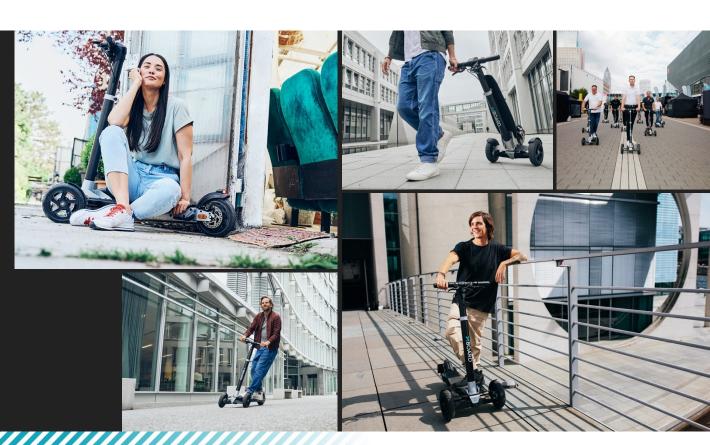
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<sup>\*</sup> The specified range of 30 km (at level 2) was determined under the following test conditions: The battery was fully charged, the total load was 85 kg. The e-scooter was operated at a constant speed of 15 km/h on a flat, dry and asphalted road at an outside temperature of 18 °C. The tire pressure was 4 bar. Deviations from these conditions can affect the actual range.

## **XBoard Experience**



- Your street surfboard
- Design and technology cleverly combined
- Tilting technology that takes your riding experience to a new level
- Safe fun thanks to two front wheels with independent suspension
- Folded up in one second the feature with the click
- Simply unfold, hop on, and start surfing



## **XBoard Technology**



- The XBoard has a specially developed drivetrain and a hightorque engine. It's quick of the mark and powerful, perfect for that surf feeling on the city streets.
- Due to groundbreaking lightweight construction technology and an innovative chassis design with a unique folding mechanism, the XBoard combines practical utility, unbeatable ride comfort, and high safety.

- The motor power can be adjusted individually with the three driving modes Walk, Eco, and Sport.
- The battery is housed in the steering column elegantly hidden and with benefits in terms of handling.
- All three 8.5-inch wheels are fully suspended and equipped with effective hydraulic disc brakes - additionally, the XBoard can also be braked with a motor brake via a button on the handlebar.









#### **Benefits**





Up to 30 km pure electric range



Full suspension front & rear



Hydraulic disc brakes front & rear



8.5 inch pneumatic tires



Powerful engine with maximum torque



LED front, rear & signal lights



18 kg total weight



48 volt battery



Smart folding mechanism

## The dashboard for the city surfboard





- Direct control: The dashboard of the XBoard app displays all important driving information in real time.
- Individual settings: The XBoard can be customized according to your own preferences.
- Share the XBoard: Simply invite friends to ride the XBoard!
- Always up to date: Use the XBoard app to install the latest firmware directly onto the XBoard.



xboard.mubea-umobility.com/en/xboard/app





#### For more drive in business





#### **XBoard Fleet solution**

With the XBoard as a fleet solution, companies are sending out a strong signal: for individuality, smart mobility and greater sustainability. You can also be elegant on the road to the future.

#### **XBoard Employee leasing**

Leasing an XBoard is very simple: companies choose one of our leasing partners and they take care of everything else. The benefit: employee loyalty and motivation free of charge.





#### **XBoarders united**











"The XBoard is a smart addition for our customers and aligns with our premium standard."

Georg Oehme, Managing Director at Meros "The XBoard is convincing in everyday life anyway: surfing along independently, getting to your destination in a relaxed manner. Exactly my style."

Mia, XBoard Ambassador "The spiders usually provide the wow effect. It's similar with the XBoard."

Codadrea, Germany's best-known spider influencer "The XBoard adds a splash of beach vibes to the city. In Berlin, you'll find me surfing at Wellenwerk."

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Diego, Surfer from Chile



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