



One for all.



aCar

One for all.  
ONE FOR ALL

# History



05/2013



## Initial idea

with a research project at the Technical University of Munich

05/2016



## First Prototype

with successful field tests in Germany and Ghana

08/2017



## Founding

EVUM Motors GmbH

09/2017



## Presentation

at the 2017 International Motor Show (IAA) in Frankfurt

09/2019



## Final design

and presentation of the improved EVUM aCar at the 2019 IAA

bis 03/2020



## Series development

with vehicle tests and homologation

Q2/2020



## Start of production

in Germany

ab 2021



## International production

in developing and emerging countries

# There are many reasons for the aCar.



**Top speed:**  
70 km/h



**No emissions:**  
No noise



**Drive:**  
All-wheel 2 × 10 kW



**Load bed:**  
Modular design



**Payload:**  
1.000 kg

**Solar panel:**  
Battery support



**Range:**  
Up to 200 km



**External power socket:**  
230V

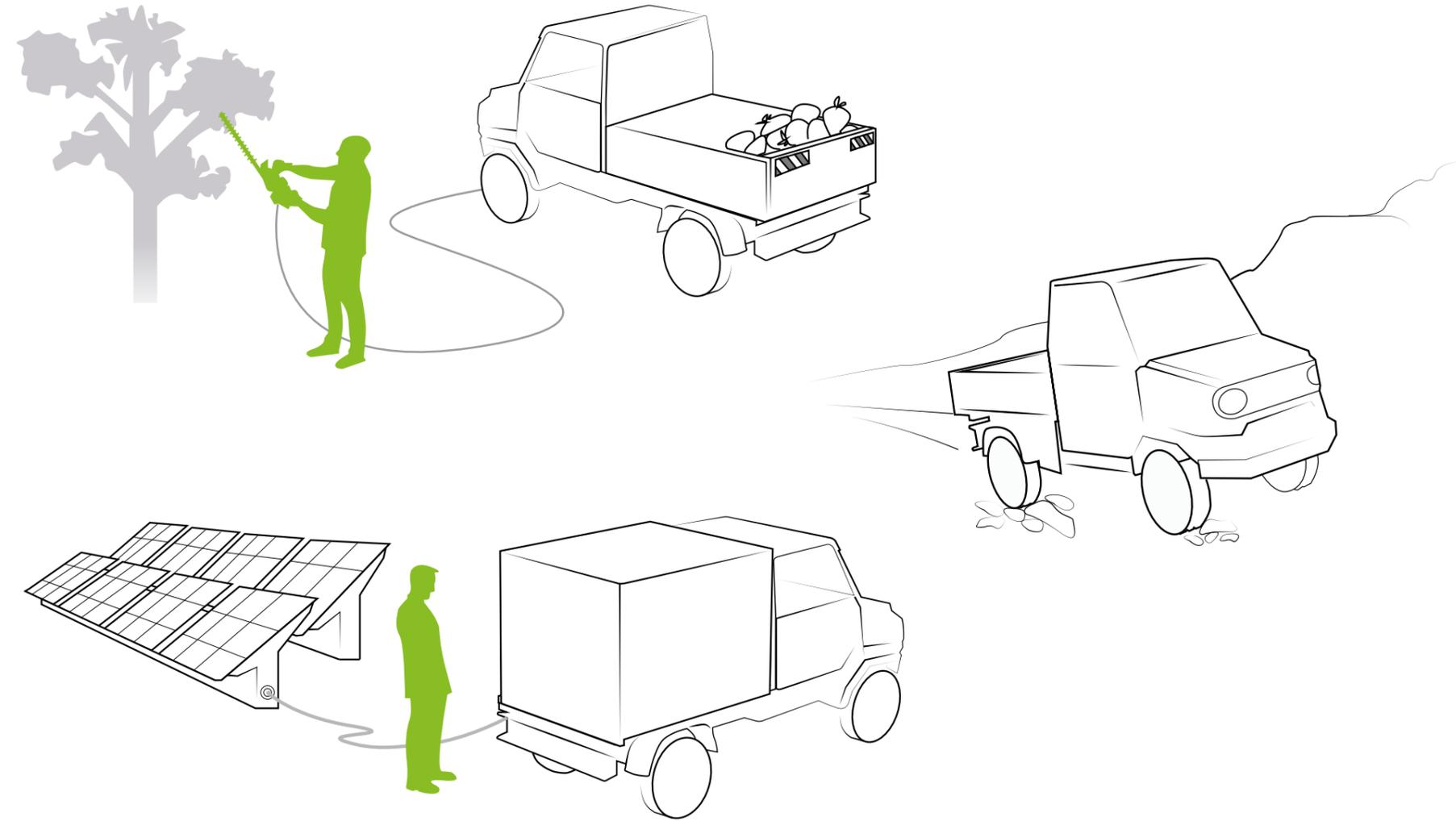


**Drive technology:**  
Fully electric, 48 V





# One for all. 4 Wheel drive. Zero Emissions.



There are countless possible uses for this street-legal and all-electric utility vehicle with four-wheel drive. With its maximum payload of as much as 1.000 kg and a width of only 1.5 meters, the EVUM aCar will be your indispensable transport helper.

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The eDrive provides maximum torque directly at driveaway, making perfectly equipping you for steep terrain and loose driving surfaces.

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Its simple design and construction make the robust and agile EVUM aCar the most efficient and environmentally friendly solution for the widest possible variety of tasks.



# One for all. 4 Wheel drive. Zero emissions.

The EVUM aCar is your robust and multifunctional utility vehicle. The cargo area accommodates a variety of easily mountable cargo units to adapt the aCar to the widest possible range of applications. This makes your EVUM aCar a reliable partner wherever you go, whether with the tiltable load bed for loose materials, with a practical covered or closed tarp unit or a closed box unit for transporting goods and machines. An optional external power socket supports even more applications.

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The EVUM aCar is excellently suited for craft and industrial use. The aCar can even be used in closed spaces, since no pollutants are emitted during operation. Outdoors the slender 1.50 m wide EVUM aCar can make it anywhere a cleaning, maintenance or harvest task awaits!





# One for all. 4 Wheel drive. Zero emissions.



All-electric four-wheel drive is extremely rare as standard equipment. The all-electric drive with a separate e-Machine for each axle generates high torque as soon as driveaway begins. You can count on this vehicle, even when driving on unpaved tracks and in rugged terrain.

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The EVUM aCar lets you process and harvest your goods without pollution. Regardless of the ground surface and the weather, you won't have to worry about getting stuck in the middle of your work!



One for all.  
4 Wheel drive.  
**Zero emissions.**



The EVUM aCar has an all-electric drive and operates without local emissions, protecting humans, animals and the environment: This electric utility vehicle produces no CO2 emissions and the motor creates no noise pollution.

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As the owner of an EVUM aCar you are part of an innovative trend in mobility. You are also contributing to the responsible and sustainable use of resources.



**Reduce overall costs\* by 31%**

## Cost-efficiency

In terms of overall costs (TCO or Total Cost of Ownership), the economic advantage of the EVUM aCar is evident from vehicle purchase to fuels and electricity, consumption, maintenance calls, taxes and insurance, all the way to residual vehicle value and charging infrastructure.

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- 82% operating costs\*
  - 28% inspection and maintenance costs\*
  - 14% costs for insurance and taxes\*

In addition, registration of electric vehicles in the N1 class is rewarded with an environmental bonus of up to € 8,000 per vehicle, depending on the state in Germany in which the vehicle is registered.

And a special tax break is planned for the purchase of new, all-electric driven delivery vehicles, allowing companies to write off 50% of the purchase price in the year of purchase in the period from 2020 to 2030.

\* Based on the industry standard service life of 8 years at 15,000 km annual driving distance





**Reduce  
CO2 emissions\*  
by 76%**

## Sustainability



Sustainability is deeply anchored in our corporate philosophy. We want our EVUM aCar to have a positive influence on the environment and the climate. We achieve this with a simple, robust and durable vehicle that relies on electricity instead of fuel and supports the use of renewable energy sources. As early as the product design phase we emphasized a holistic vehicle concept that enables the local and environmentally friendly manufacture of the vehicles in close proximity to our customers.

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The EVUM aCar does not generate any CO2 emissions during operation. The batteries of the aCar can for example be charged directly with a photovoltaic system. We recommend using electricity from renewable energy sources (green electricity from your provider, energy directly from solar, water or wind power).

\* Compared to leading industry-standard utility vehicle models, taking all emissions generated during manufacturing and operation into account

# Technical data

<b>Model:</b>	aCar
<b>Top speed:</b>	70 km/h
<b>Range:</b>	Up to 200 km
<b>Drive:</b>	All-wheel drive
<b>Drive technology:</b>	All-electric, 48 V
<b>Charging procedure:</b>	230 V power socket
<b>Power output:</b>	2 × 10 kW
<b>Load bed:</b>	Modular design
<b>Dimensions:</b>	Length 4,0 m / Width 1,5 m / Height 2,0 m



# Basic equipment



## Exterior

Load bed

Slide-open window

Double-arm windshield wipers

Steel wheel rims

Left and right side-view mirrors

Halogen headlights

Rear fog light

Reverse light

Heated windshield

## Drive

Front e-drive

Rear e-drive

Lithium-ion battery with up to 100 km range

Continuous drive, single gear ratio

## Chassis

Double-wishbone front axle

AL-KO single wheel suspension



# Basic equipment



## Interior

Adjustable-height steering wheel

Display

Interior lighting

Three-point belt system

Seats adjustable forwards/backwards

Air ventilation

12 V socket

Trunk

## General

anti-theft protection

OBD diagnostics interface

Integrated charger for 230 V (household power sockets)

Various driving modes

Electric signal horn



# Packages



Equipment
Beverage holder
Storage package
Audio system including Bluetooth
Telematics unit
Rear window and rear-view mirror
Seat heating
Provision
Reverse warning signal
External power socket
High voltage charging
Front fog lights
Interior heating
Work lights
Solar panel
Range package (larger lithium-ion battery)

	Extra	Premium	Deluxe
●	●	●	
●	●	●	
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# Extra equipment Interior



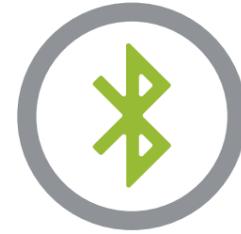
## Interior heating

Air heating in the driver's cab



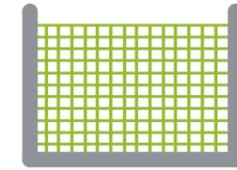
## Reverse warning signal

Acoustic warning for pedestrians



## Audio system

Audio system including Bluetooth



## Storage package

More orderly driver's cab with additional compartments or nets

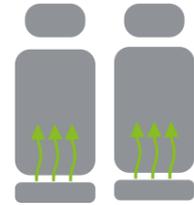


## Beverage holder

For coffee cups and beverage cans



# Extra equipment Interior



## Seat heating for driver and passenger

Driver and passenger seats can be heated



## Rear window and rear-view mirror

Improved visibility with rear window and rear-view mirror – as an alternative to a closed rear wall



# Extra equipment Electronics



## External power socket

Power output for external electric devices with 230 V



## High voltage charging

High-voltage plug interface for faster charging cycles



## Range package

Larger battery package for increased range of 200 km



# Extra equipment Exterior



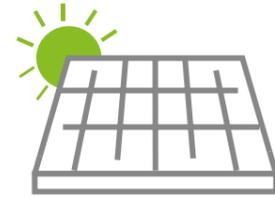
## Fog lights

When fog, snow or rain seriously impairs visibility, fog lights can be activated



## Work lights

Improved visibility around the parked vehicle at night and in poorly lit areas



## Solar panel

Supports the battery for the work light, external power socket and electric equipment



## All-round lights and reflective strips

Warning lights for municipal use / Reflectors for improved safety



## Colors

EVUM green or EVUM white



## Special colors

Additional color possibilities available on request



# Extra Equipment Tires



## Winter tires /Winter wheels

Improved safety on ice and snow



## Off-road tires /Off-road wheels

Deeper tire profile for challenging terrain



# Extra equipment Service



## Telematics unit

For remote analysis of data on vehicle location and condition



# Cargo area units



## Load bed

Cargo area with fold-down sides for loading and unloading



## Tipper

Unload transported goods by tilting the load bed



## Truck box

Closed cargo box with doors for transporting goods and machines



## Covered wagon

Frame (tarp bows) with truck tarps for transporting goods and machines



# Special accessories for cargo



## Winch

Strong cable with hooks  
(Front mounted)



## Coupling device

For attaching special equipment



## Trailer hitch

Attachment for pulling a trailer





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