

Company & Product Fact Sheet

Key information about TWIKE, the TWIKE 5, its technical concept, and its current development status.



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Headquarters

Rosenthal, Hesse, Germany

Contact

press@twike.com

Website

twike.com

Efficiency. Lightweight engineering. Active mobility.

The TWIKE concept combines battery-electric mobility with optional human-powered participation in a radically efficient three-wheeled vehicle architecture.

Company Profile

TWIKE develops highly efficient, lightweight electric vehicles that combine electric mobility with active human participation.

The TWIKE concept originated in Switzerland in 1986 as a radically lightweight, human-powered experimental vehicle. Over the following decades, it evolved into a road-legal human-electric mobility concept and one of the most distinctive vehicles in European electric mobility.

The present company was founded in 1998 as FINE Mobile GmbH by five partners and initially served as the German general importer for TWIKE. In 2002, the company acquired the production and brand rights for the established TWIKE vehicle and relocated production, development, service, and spare-parts supply to Rosenthal in the German state of Hesse.

In 2020, FINE Mobile GmbH was renamed TWIKE GmbH.

Today, TWIKE develops and services its vehicles at its Rosenthal site and is preparing the TWIKE 5 for homologation and small-series production.

Company at a Glance

Company	TWIKE GmbH
Founded	1998 as FINE Mobile GmbH
Company name since	2020
TWIKE concept established	1986 in Switzerland
Headquarters	Rosenthal, Hesse, Germany
Managing Director	Martin Möscheid
Activities	Vehicle development, production preparation, customer service, spare-parts supply, and further development of existing TWIKE vehicles
Core principles	Efficiency, lightweight engineering, active mobility, long vehicle life, and resource-conscious design
Website	twike.com
Press contact	press@twike.com

TWIKE 5



Product Overview

The TWIKE 5 is a two-seat, three-wheeled battery-electric vehicle designed around energy efficiency, low weight, aerodynamics, and an active driving experience.

Its optional pedal generators allow the occupants to exercise and contribute electrical energy while driving. The pedal system is not required to operate the vehicle but continues the human-electric principle that has distinguished TWIKE from conventional vehicles since its earliest generations.

The TWIKE 5 combines the compact dimensions and efficiency of a lightweight vehicle with the performance, range, weather protection, luggage capacity, and highway capability required for everyday mobility.

The TWIKE 5 is planned as a limited series of 500 high-performance vehicles. It serves as TWIKE's technological and industrial icebreaker, establishing the technology, market experience, and production capabilities for the planned TWIKE 6.

TWIKE 5 Key Product Facts

Vehicle type	Three-wheeled battery-electric vehicle with optional pedal generators
Seating capacity	Two people
Body style	T-top vehicle with removable roof sections
Drive	Rear-wheel drive with synchronous electric motor and reduction gearbox
Peak motor output	Up to 70 kW
Nominal motor output	Approximately 45 kW
Battery	Lithium-ion, with different battery configurations planned
Battery configurations	Approximately 20 kWh and 40 kWh
Target range	Approx. 300 km with 20 kWh; up to approx. 600 km with 40 kWh
Target top speed	Approx. 130 km/h or up to approx. 190 km/h, depending on configuration
Target energy consumption	Approximately 7 kWh per 100 km
Target empty weight	Approximately 680 kg, depending on battery configuration
Payload	Approximately 250–310 kg, depending on configuration
Luggage capacity	Approximately 300 liters, or up to 600 liters without the passenger seat
Construction	Modular safety cell with an aluminum space frame and fiber-composite window structure
Aerodynamics	Simulated drag coefficient below 0.22 at the current stage of development
Braking	Dual-circuit braking system with disc brakes and continuously variable regenerative braking
Charging	AC charging via Type 2 and DC fast charging via CCS
Bidirectional charging	Bidirectional charging capability is planned, subject to final system integration, homologation, and compatible charging infrastructure.
Intended European vehicle class	L5e three-wheeled motor vehicle
Intended US classification	Motorcycle
Planned production location	Rosenthal, Germany

What Makes the TWIKE 5 Different?

Radically Efficient by Design

Instead of compensating for vehicle mass with ever-larger batteries, the TWIKE 5 is designed to minimize the energy required for mobility. Its lightweight structure, small frontal area, optimized aerodynamics, regenerative braking, and efficient electric drive contribute to a target consumption of approximately 7 kWh per 100 kilometers.

Human-Electric Mobility

The optional pedal generators enable occupants to remain physically active while traveling. Pedaling can contribute energy, provide individually adjustable training, and create a more active relationship between the occupants and the vehicle. The electric drive remains fully functional independently of pedal use.

Lightweight Performance

Low mass does not only reduce energy consumption. It also supports agile handling, strong acceleration, effective recuperation, and reduced material use. The TWIKE 5 is therefore designed as both an exceptionally efficient everyday vehicle and a distinctive performance-oriented driving experience.

Designed for Long-Term Use

TWIKE follows the principle that sustainable mobility depends not only on energy consumption but also on vehicle longevity, reparability, and continuous technical improvement. Experience gained from decades of servicing and upgrading existing TWIKE vehicles informs the design and production preparation of the TWIKE 5.

Current Development Status

The TWIKE 5 is currently in its final development and validation phase. The first roadworthy driving test vehicle began electrical, drivetrain, chassis, and software testing in October 2023. A second, more production-oriented driving test vehicle with a bonded black-anodized aluminum structure was completed in February 2025.

Testing has included acceleration, regenerative braking, steering, suspension behavior, cornering, stability at higher speeds, and aerodynamic optimization.

The next central steps are the completion of the production-oriented prototypes, final physical testing, European homologation, and preparation for small-series production in Rosenthal.

Business Vision and Growth

Building on the technology and experience of the TWIKE 5, TWIKE plans the TWIKE 6 as a higher-volume successor model. It is intended to make the TWIKE concept accessible to a broader market through optimized costs, scalable production, and continued focus on lightweight, highly efficient human-electric mobility.

TWIKE is expanding the financial and industrial foundation required for homologation, production ramp-up, international market development, and the next vehicle generation. The company welcomes discussions with strategic and financial investors who share this long-term vision.

Investor relations: invest@twike.com

Further information: twike.com/invest/

Important Note on Technical Data

The TWIKE 5 is still under development and is not yet in series production.

All technical specifications stated in this document represent the current development status or development targets as of July 2026. Values may vary depending on battery configuration, optional equipment, driving style, environmental conditions, and the results of final testing and homologation.

Final certified specifications will supersede the values stated in this fact sheet.

Media Contact

TWIKE GmbH
Feldgasse 6
35119 Rosenthal, Germany

Email: press@twike.com
Phone: +49 6458 1392
Website: twike.com

High-resolution images, logos, and further media resources are available through the TWIKE press page.