

*For a world
where everyone can choose
to use green energy.*

TESVOLT
Free to go green.

TESVOLT is making the global energy transition possible.

TESVOLT AG develops and produces innovative battery storage system solutions for commerce and industry. The lithium-ion-based energy storage systems we produce work with low and high voltage and can be connected to all energy generators, depending on the system: sun, wind, water, biogas or combined heat and power sources, whether on-grid or off-grid.

TESVOLT manufactures its commercial storage system solutions in series production at its own gigafactory for commercial battery storage systems at its Lutherstadt Wittenberg site in Germany and delivers them worldwide.

Technology and products

TESVOLT stands out thanks to its capacity for innovation, a broad product portfolio and over 20 applications in the global market for energy storage solutions.

Hardware: The Active Battery Optimiser (ABO) and DynamiX Battery Optimiser (DBO) battery management systems developed in-house are an integral part of TESVOLT's storage technology. They provide the battery modules with maximum lifespan and energy efficiency.

Software: All energy flows can be recorded, monitored and controlled using the innovative energy management system, consisting of the TESVOLT Energy Manager and the myTESWORLD portal.

Up to double the lifespan of the market standard.

	TESVOLT	Market standard*
Service life:	Up to 30 years	10–15 years
Full charge cycles:	up to 8,000	approx. 4,000
Stand-by consumption:	3 to 5 watts	40–70 watts
Battery efficiency:	>98%	< 90%

*Based on comparisons with well-known competitors

Facts and figures

- Founded in 2014 with the mission of **“enabling affordable energy anywhere, any time”**
- Headquarters in **Lutherstadt Wittenberg**, additional offices in **Berlin, Bonn** and **Leipzig**
- First **CO₂-neutral gigafactory** for commercial and industrial stationary energy storage system solutions in Europe
- Over **270 employees**
- **Non-hierarchical, agile company culture** facilitates a unique climate of innovation
- Prominent **investor base** with additional support from the state of Saxony-Anhalt and EU funding

Battery storage systems; a future market

The energy revolution is gathering speed

- Global market for energy storage systems set to grow by 35% p.a. by 2030
- Addressable market for TESVOLT in the commercial and industrial sector is therefore: approx. EUR 80 bn

More than just a battery



TESVOLT is one of the world's **technology and quality leaders** for energy storage and services in the **commercial** and **industrial sectors**



Success record of over **5,000 projects implemented worldwide** and market shares of over 50% (installed MWh) in regional target markets in the segment of energy storage systems for commercial and industrial use*



Advanced go-to-market strategy and scalable production and services ensure optimal **growth opportunities in the global billion-euro market**



Innovative energy management system with **potential for additional energy services**



Focus on **commercial and industrial applications** and **infrastructure projects**: partnerships with the pioneers of battery and battery inverter technology: e.g. Samsung SDI and SMA



Investment in Stercom GmbH, a technology pioneer for **inductive charging** in the future market of **e-mobility** and in **Wendeware AG**, a specialist for **intelligent energy management systems** for battery storage systems



TESVOLT products **are characterised by outstanding performance** and **lower overall costs (LCOS) compared to competitor products**



Versatile product portfolio from **10 kWh to the MWh range** and for numerous applications in the product and project business

*Source: Based on the internal calculations and BESS Annual Installation Volume Estimates and Forecasts from S&P Global Commodity Insights, formerly IHS Markit Grid Connected Battery Storage Tracker, 1H-2023 (Aug 2023) and TESVOLT Internal Sales figures

Our applications

TESVOLT energy storage systems offer the right solution for more than 20 applications and are used, for example, wherever ...



... electricity costs need to be saved (**peak shaving, self-consumption optimisation**)



... no utility grids are available (**off-grid, PV-diesel hybrid optimisation**)



... **frequency regulation** is needed to stabilise the grid



... excess electricity is to be sold on the electricity market to generate income (**direct marketer interface**)



... **charging station control** is required for the booming e-mobility sector



... **back-up power** is needed for security

Examples: industry, manufacturing, agriculture, logistics, retail, supply companies, municipalities, data centres, stadiums and cultural institutions, charging infrastructure for e-mobility.

Germany
One of Europe's largest charging parks

Self-consumption optimisation, peak shaving, ancillary services, charging station control

Australia
Gold mine

Diesel-hybrid optimisation, off-grid use

Chile
Nature reserve

Self-consumption optimisation, micro-grid

Explore more selected projects, implemented by our certified TESVOLT specialist partners!

Energy means freedom

TESVOLT Board of Directors: innovative thinking, entrepreneurial spirit, and experience

Simon Schandert, Founder, CTO

- MSc in Industrial and Electrical Engineering, BSc in Industrial Engineering – Environment and Sustainability
- Trustee for the German Entrepreneur Award

Daniel Hannemann, Founder, CEO

- MA in Sustainability Management, BSc in Computer Science
- Founder of Hanni Solar, a project developer and installer of PV installations

Philipp Koecke, CFO

- Diploma in Technical Business Administration
- 2003–2017 CFO SolarWorld AG
- 2017–2022 Member of the Management Board of deinSchrank.de



Our awards

Top products, top employer

TESVOLT has won many prizes – for our **products and applications**, for our **agile organisation** and as an **outstanding employer**.

These include well-known awards such as the **German Entrepreneur Award** and the **“Innovator of the Year”**, first place in the most important competition for German SMEs. But we’ve also been the recipient of prestigious specialist awards, like the **smarter E Award** and the **ARE Award**.

And it’s also been confirmed that we are a very good place to work. **Because ultimately, it is the employees who make TESVOLT innovative.**



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