




Press kit

BOS Balance of Storage Systems AG is an innovative tech company based in Ulm, Germany that is founded in 2014. CEO and co-founder is Benjamin Seckinger. With a dedicated team of about 45 employees the company has established as a pioneer in the world of modern energy supply, specializing in intelligent hybrid storage technologies. After the success of its breakthrough lithium-lead technology, BOS is now focusing on developing lithium battery solutions that are very simple to install. These plug-and-play solutions serve market segments that require a self-sufficient energy supply. This includes the caravan and boat sector and target markets in rural and semi-urban regions with limited or no access to modern energy supplies. The target markets are located in Europe, Africa, Asia, Oceania and Latin America. The combination of innovative technology and the pursuit of a more sustainable future makes BOS a significant player in the field of energy supply and storage.

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Logo	
Legal name	BOS Balance of Storage Systems AG
Short name	BOS
Pronunciation	[be:o:es]
Short description	Innovative energy storage manufacturer
Sector	Renewable energies and energy storage
Address	Industriestraße 12, 89081 Ulm, Germany
Website	www.bos-ag.com
LinkedIn	linkedin.com/company/bos-balance-of-storage-systems-ag
Youtube	youtube.com/@bos-ag
Facebook	facebook.com/balanceofstoragesystems
Instagram	instagram.com/bos.stories/
Fundation	July 2014
Legal form	Aktiengesellschaft (German stock corporation) - not traded on the stock exchange
Management Board	Benjamin Seckinger (CEO), Fabian Weber (COO)
Founder	Benjamin Seckinger, Thomas Kündiger, Prof. Peter Adelman, Bernhard Adelman
Employees	~ 45 (Status January 2024)
Markets	Europe, Africa, Asia, Oceania, South America
Awards	iF Design Award 2023 Red Dot [2023] Innovative Product

Our Vision

Energy solutions that change lives for the better, for people of all backgrounds and in all parts of the world.



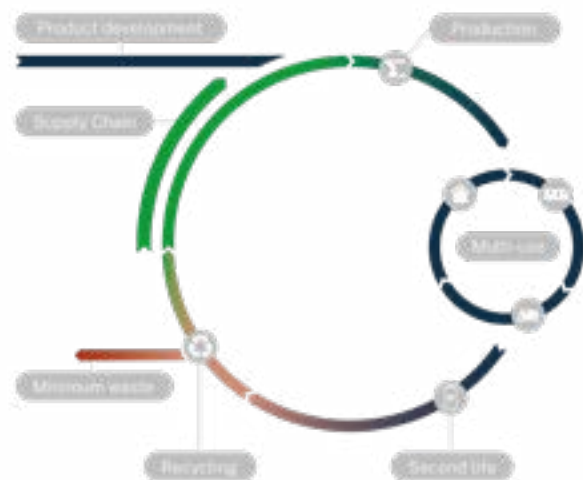
» It was like a drop in the ocean. It wasn't sustainable in the long run. This will only work if it pays off. «

This was Ben's conclusion after five years of work for an aid organisation with the aim to help people by driving rural electrification forwards. During a mission in Mozambique, he also became aware of the environmental problems caused by damaged lead acid batteries. At that moment an idea for a solution was born and one year later four courageous people founded a new company to take on this vision.

Our Strategy

The key to installing energy storage on a large scale is to have plug-and-play solutions that are installed with high quality and last for a very long time, regardless of the skills of the installers.

To this purpose, we develop products according to the principle of the circular economy. As early as the product development stage, we consider the user experience during installation and operation, sustainability through multi-use concepts and the possibility of giving batteries a second life and, last but not least, the simplicity of recycling and the reuse of materials. We enable everyone to become part of a responsible use of the valuable resources on our planet.





Starting with a vision of making the world a brighter place for everyone

Young entrepreneurs, students and experienced solar enthusiasts came together and started to develop an off-grid energy storage system for emerging countries. Co-founder Benjamin Seckinger heads the local group of „Engineers without Borders“ and recognises that not only affordable energy storage systems that are easy to install are needed to help sustainably, but primarily a business case for the manufacturer as well as for the local people to avoid solar graveyards.

2014



The lithium lead concept is gaining traction

The first off-grid projects in Africa are being successfully realised with hybrid systems using lead and lithium, including various small health stations. It is evident at this stage that the concept works.

2016

2018



First project in MWh scale delivered

BOS meanwhile offers off-grid systems for all sizes. From simple homes to small businesses and hospitals to large minigrids. The electrification of Sabon Gari market in Nigeria with 1,6 MWh lithium capacity was the first realised MWh project. This was followed by many more markets in Nigeria.



The cooperation with Hymer marks the entry into the leisure vehicle market

The innovations and expertise of BOS in the off-grid market are also in demand in the field of on-board electrics for leisure vehicles. Together with HYMER, the largest motorhome manufacturer in Europe, BOS launched the LE300, the first hybrid system (lithium + lead) for the European mobile home market. This was soon followed by the application on sailing boats and yachts.



Introducing the next generation of batteries for leisure, home storage and industrial users

While BOS is constantly improved its portfolio for off-grid systems, it needed 3 years of research and development to launch the BOS battery S. The next generation battery with an innovative multi-use concept, is on its way of becoming the new standard in motorhomes, but is also enjoying increasing popularity in other high-end leisure or industry off-grid applications.

2018

2020

2022

2024



50k units sold - profitable for the first year

With more than 50,000 systems sold, BOS celebrates the point of break-even and is now profitable and able to report growing profits.



BOS ventures into new markets

BOS is utilising its remarkable expertise, having sold over 120,000 battery systems to date, and venture into new markets. In particular, the need for quick and easy installation of all-in-one systems gives BOS the opportunity to utilise its experience.

Our Engagement in the global south

BOS contributes to sustainable energy solutions in the Global South by installing off-grid systems in areas with limited access to traditional energy sources. These off-grid systems provide reliable and sustainable energy and significantly improve the quality of life in these regions. They support local economic and social development by ensuring a continuous energy supply.

With the innovative BOS system one and BOS system pro, which are characterised by their exceptional modularity, the various energy requirements can be covered. The pre-configured and pre-wired systems can therefore also be installed and maintained by local partners. They are scalable from small offgrid systems to large minigrid systems.



BOS system one

The all-in-one standalone hybrid solar power system
<https://www.bos-ag.com/products/bos-system-one/>



BOS system pro

The most flexible energy storage for commercial and minigrid projects
<https://www.bos-ag.com/products/bos-system-pro/>



Ethiopian communities get solar energy systems

BOS provided the hardware for five mini-grids for a project powering 4,000 homes, together with Differ Community Power and GIZ.



Electrifying markets in Nigeria with solar power

At several locations, the BOS systems enables partners to act as a local energy supplier, supplying the shop owners at the markets.



Powering remote health centers in Malawi

BOS and its partners Differ and UNICEF are working on building a clean energy infrastructure at healthcare facilities across Malawi

Independent energy for industrialised countries

BOS is active in industrialised countries in various areas where a self-sufficient energy supply is required. This includes the mobile homes and boats sector in particular. BOS achieved a breakthrough here with the LE300, a patented hybrid system that combines lead and lithium batteries in one system for the first time. This made it one of the most popular board batteries in Europe. With the BOS battery S, BOS is now setting new standards in terms of innovation and cutting edge technology in leisure vehicles. Interesting applications are also offered for business and industrial users.



LE300

The intelligent lithium battery to combine with lead
www.bos-ag.com/products/le300/



BOS battery S

A lithium-based storage system which enables a multi-use concept
<https://www.bos-ag.com/products/bos-battery-s/>



Cooperation with the Erwin Hymer Group

After the LE300, the BOS battery S introduces a new level of self-sufficiency to HYMER vehicles and the other brands in the Group.



Hybrid batteries for Yachtcharter in Croatia

The LE300 solves the sulfation and deep discharge related issues for the charter fleet of Pitter.



Electricity in the mountains of Norway

The many huts in the beautiful nature of Norway are far away from electricity connection, thus the hut owner needs a working pv system.