

Meitingen Power Plant

Emergency Power Supply
for Sustainable Hydropower

Lechwerke AG (LEW), headquartered in Augsburg, is a regional energy provider supplying customers throughout southern Germany with environmentally friendly energy.

lew.de

Status Quo

The Meitingen Power Plant, operated by LEW Lechwerke AG, is an important part of the regional energy system and contributes to the reliable supply of renewable electricity. Stationary battery systems ensure both the plant's own power requirements and its emergency power supply. After many years of service, the existing 110 V battery systems required replacement.

Our Approach

Modernization of a modular block battery system with sustainable energy storage solutions.

As part of the project, a comprehensive modernization and performance upgrade of both battery systems was carried out:

- Replacement of a total of 36 Stand by Bull OGi 6 V block batteries, each with a nominal capacity of 200 Ah (C10), including a Battery Filling System (BFS) and ceramic funnel vent plugs with caps.
- Installation of two new stepped battery racks and two acid containment trays per system to ensure maximum safety.
- Replacement of all cable and inter-cell connectors.

- First-time installation of a conductive floor in accordance with VDE 0510-482-2.
- Installation of an 8-meter equipotential bonding conductor.
- Professional disposal and recycling of all old batteries.

Special Feature: The modernization was carried out during ongoing plant operation. By replacing the systems individually, one battery circuit remained continuously operational at all times – making a significant contribution to supply security.



Banner stands out through professional preparation, excellent consulting, adherence to schedules, and perfect installation including commissioning.

- Lechwerke AG -

Austria

Banner GmbH
Business Unit Energy Solutions
A-4600 Thalheim bei Wels
Am Thalbach 21
Tel. +43 732 38 88-0

Great Britain

Banner Batteries (GB) Ltd.
Units 6-8 Canal View Business Park,
Wheelhouse Road, Rugeley
UK-W5151UQ Staffordshire
Tel. +44 1889 57 11 00

Czech Republic

Banner Baterie ČR, spol. s.r.o
Uhřetěves, Přátelství 1011
CZ-10400 Praha 10
Tel. +420 267 090-510

Poland

Banner Polska Sp. z o.o.
ul. Gliwicka 234
PL-40861 Katowice
Tel. +48 32 203 72 45

Added Value & Benefits

Stand by Bull Flooded (OGi Flooded Block)



The batteries of the Stand by Bull OGi series are distinguished by their versatility. They are capable of providing high power outputs at short notice while also supporting longer capacitive discharge periods.

They are typically used in applications where batteries operate mainly in standby mode and are only heavily utilized in the event

of a fault or emergency.

Even during short-term high-current discharges, they ensure exceptionally reliable power delivery.

These characteristics make Stand by Bull OGi batteries particularly dependable and durable for demanding stationary energy storage applications.



Suitable for high-current discharges



Maximum service life



Excellent price-performance ratio



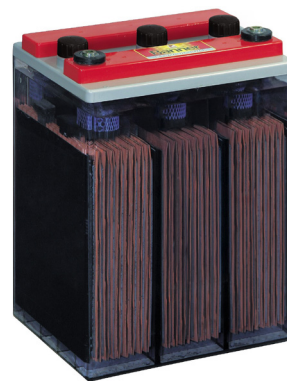
Modular and scalable design

The Result

Following the modernization, the Meitingen Power Plant now operates two high-performance battery circuits, each with a nominal voltage of 110 V.

The upgraded internal power supply and emergency power system meets the highest safety standards, reduces maintenance requirements, and ensures a reliable long-term energy supply for all critical consumers within the plant.

With the modernization successfully completed, the Meitingen Power Plant is ideally prepared for future operational requirements.



For more information about our products, services, and support solutions, visit: [bannerbatteries.com](https://www.bannerbatteries.com)

* C10 = Battery capacity at a discharge period of 10 hours
** OGi = Stationary grid plate batteries

#sparkthedifference