



BESS KALLO

Kallo

The realization of a new large-scale Battery Energy Storage System (BESS) at the Engie site in Kallo.

The project includes battery slabs, electrical building, SUT, a pump building, and an underground water collection basin.



Status

2025 - 2026



Services:

Civil Engineering



Sectors:

Civil works: Industrial plants



Client:

Engie



Area:

15000 m²

Kortrijk Office

Beneluxlaan 1A
8500 Kortrijk
+32 (0) 56 28 26 20

Antwerp Office

Britselei 23, bus 401
2000 Antwerpen
+32 (0) 3 235 48 88

Email us at:

info@bmengineering.be

Visit our website:

www.bmengineering.be

General

At the Engie site in Kallo, Engie is constructing a large-scale Battery Energy Storage System (BESS).

The new 100 MW / 400 MWh storage project consists of battery modules that can supply power for four hours. The total storage capacity is equivalent to that of 80,000 home batteries of 5 kWh.

For the placement of the 110 batteries, we construct a foundation slab with six concrete plinths per battery each time.

In addition, 38 transformers are provided, each with its own foundation slab and eight plinths per transformer.

The project also includes the construction of an electrical building, an underground retention basin for fire-extinguishing water, and a SUT (Step-Up Transformer) + GIS (Gas Insulated Substation).

Role of BM Engineering

BM Engineering acts as the engineering office for the main contractor and is responsible for the execution design: study and preparation of execution plans.