



BESS DROGENBOS

Drogenbos

The realization of a new large-scale Battery Energy Storage System (BESS) at the Engie site in Drogenbos. The project includes battery slabs, electrical building, SUT & GIS, and an underground water collection basin.



Status

2026 - ongoing



Services:

Civil Engineering



Sectors:

Civil works: Industrial plants



Client:

Engie



Area:

15000 m²

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General

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

The new storage project of 80 MW / 320 MWh will consist of 88 battery modules that can supply power for four hours. The total storage capacity is equivalent to that of 64,000 home batteries of 5 kWh or the average daily electricity consumption of 38,400 households.

For the placement of 88 batteries, we are constructing a foundation slab with six concrete plinths per battery each time. In addition, 23 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.