

## CUSTOMER REFERENCE

BES/2020/001



### Convert SC Flex Chosen by swb to Equip the Battery Energy Storage System of a Major Automotive Equipment Production Site

Swb Erzeugung AG & Co. KG (swb) has chosen AEG Power Solutions Convert SC Flex to equip the battery energy storage system that they provide to a major automotive equipment company. The company was looking for a solution for power backup for its highly sensitive chemical processes in one of its sites, and to minimize its energy costs by managing peak demands. A conventional UPS system would not have answered the full requirement, but a battery energy storage could. A proposal for a battery energy storage system was engineered by swb and AEG PS involved to provide the power electronics.

The solution comprises a Convert SC Flex V, a low voltage transformer and a PLC (programmable logic controller) based solution for grid fault detection and islanding as well as resynchronization feature once the supply is provided by the public grid again. SWB is combining these elements with a lithium-based battery incl. a battery management system and an overall control system to provide peak-shaving and back-up power supply for the industrial load.

The end customer produces premium plastic parts for the interior and exterior of a future-oriented automotive industry, using mostly injection moulded and electroplated processes.

## CUSTOMER INFORMATION



EPC	swb Erzeugung AG & Co. KG (swb)
End customer	major automotive equipment company

## SPECIFICATIONS

Locations	Germany
Application	Power backup for highly sensitive chemical processes including minimization of energy costs by managing peak demands
Products AEG PS	Convert SC Flex V, Low voltage Transformer PLC (programmable logic controller) (Everything embedded in a concrete housing)