



A sales and marketing agreement for NAS batteries (sodium-sulfur stationary batteries) for P2G projects, power grid and microgrid applications was signed by G-Philos, Korea's leader in power-to-gas (P2G) technology, and BASF Stationary Energy Storage GmbH (BSES), a wholly owned subsidiary of BASF SE.

Together, the businesses will design and commercialise energy storage systems utilising power conversion systems (PCS) from G-Philos and NAS batteries from BASF. Additionally, G-Philos will buy NAS batteries from BSES with a twelve MWh total capacity.

BASF and G-Philos started to work together in 2020 when an NAS battery system and a PCS developed by G-Philos were deployed in a demonstration P2G project implemented by G-Philos in collaboration with Korea Midland Power (KOMIPO) at Sangmyung Wind Farm, Jeju Island, South Korea.

In this project, the NAS battery serves as an energy buffer between wind turbines and electrolyzers to ensure stable hydrogen production from surplus wind power despite the fluctuating nature of wind. NAS batteries were selected for this application due to their enhanced safety, which is required due to their proximity to hydrogen production.

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