Flow battery technology manila

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Fluence is enabling the global clean energy transition with market-leading energy storage products and services, and digital applications for renewables and storage.

Fluence offers an integrated ecosystem of products, services, and digital applications across a range of energy storage and renewable use cases.

Mosaic Intelligent Bidding Software

Nispera Asset Performance Management Software

Our standardized Technology Stack makes it easier for you to rapidly and cost effectively deploy energy storage, and optimize storage and renewable assets.

Energy storage provides the agility and efficiency to keep pace with an evolving energy landscape.

Unlock the full potential of your network with energy storage.

MANILA, PHILIPPINES - January 27, 2022 - Fluence (Nasdaq: FLNC), a leading energy storage technology and digital applications provider enabling the global clean energy transition, announced today that the first 20-megawatt (MW) / 20-megawatt hour (MWh) battery-based energy storage system in the 470 MW / 470 MWh portfolio the company is deploying for SMC Global Power Holdings Corp. (SMCGPH) has entered commercial service. The project sited in Negros Occidental is only the second grid-scale battery project to serve the Philippines electricity network, following a 10 MW / 10 MWh system sited at the Masinloc Power Plant in Zambales, also supplied by Fluence"s team in 2016.

The Kabankalan system is the first operational energy storage asset on the Visayas regional grid, which has the largest amount of solar PV generation in the Philippines. In addition, the system is the first such asset in the Philippines to be directly controlled by the National Grid Corporation of the Philippines through Automatic Generation Control (AGC) to provide critical grid stability services known as ancillary services, including managing frequency and voltage, and supplying reactive power.

The Kabankalan system and its predecessor battery-based energy storage system in Masinloc provide ancillary services with faster speed of response and accuracy than thermal ancillary service providers - such as hydropower, diesel, or natural gas generation - as proven during NGCP"s testing and accreditation process.

Flexible, fast-responding resources like large-scale battery storage systems are critical for ensuring the stability of regional electricity grids across the Philippines. In the event of generating assets or transmission or

distribution lines going offline as occurred in Cebu during August of 2021, fast-responding battery assets can be dispatched by their operators - or in the case of Kabankalan, by the grid operator directly - to stabilize the grid and help prevent widespread outages.

The Kabankalan project was successfully delivered on time despite a range of challenges stemming from the COVID-19 pandemic, including supply chain delays, worker travel restrictions and coordinating construction amid complex site restrictions. To protect essential workers at Kabankalan and subsequent project sites, Fluence and its contractors enacted a range of additional safety protocols, including supplying additional personal protective equipment, decontamination of equipment arriving on site, an increased focus on hygiene, and social distancing.

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