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The Benito Ju?rez International Airport (AICM) in Mexico City is one of the busiest airports in Latin America. Mexico City has been host to Air Force One - a Boeing 747-200B - as well as other high-profile worldwide transports. The airport has become the main gateway to the capital country for national and international visitors and a strategic point for conducting business and connectivity around the world. On a typical day, more than 100,000 passengers pass through the airport to and from more than 100 destinations on three continents.

Keeping the power on for visual navigation systems to guide aircraft during landings and takeoffs is paramount. While the airport has sophisticated power protection systems in place, it required an even higher level of protection to assure fail-safe operations. To meet this need, 900kW of VYCON"s VDC clean energy kinetic energy storage units were selected to take over power protection when other equipment failed to quickly bridge power to the airport"s onsite generators.

"We"re pleased to add VYCON"s systems to our power infrastructure, as safety and continuous operation are areas where we cannot comprise," said Tomas Reyes, Director of Engineering at AICM. "VYCON"s patented technology and long track record of reliability gives us the assurance that the added level of redundant power will provide us with fail-safe operations.

"With the frequent power disturbances that the Mexico City Airport has to deal with, VYCON"s systems are the perfect solution to provide power when all other equipment fails," said Victor Mendez Zavala, Sales Director with IGSA Power Systems. "Being in a tropical location, Mexico is subject to not only unpredictable weather, but also high heat conditions. The VYCON systems perform flawlessly and will provide the added level of power continuity that the airport requires. We are pleased that we could offer this proven power solution for the airport"s needs as well as to our other mission-critical customers here in Latin America."

"This contract from AICM is a great testament to the reliability and cost-effectiveness of our clean kinetic energy storage systems," said Frank DeLattre, President of VYCON. "We are honored to be chosen to raise the level of protection of the airport"s critical navigation systems while providing a lower cost of operation. VYCON"s systems are used around the globe to assure power security and availability for mission-critical operations, and we"re proud to add AICM to our distinguished customer portfolio."

Read in Spanish/Leer en Español.

On May 6, 2024, Mexico’s Energy Regulation Commission (CRE) published on the National Commission for Regulatory Improvement (CONAMER) website the preliminary draft of the agreement issuing the General Administrative Provisions for the Integration of Electric Energy Storage Systems into the

National Electric System (DACG). Please see our May 2024 GT Alert for more information.

On Sept. 30, 2024, the CRE’s governing body held an extraordinary session and approved the agreement issuing the DACG. The DACG will not take effect until they are published in the Official Gazette of the Federation.

The DACG aim to establish the modalities and general conditions under which the integration of Electric Energy Storage Systems (SAE) into the National Electric System (SEN) will be carried out, in an orderly and economically viable manner.

The DACG have three specific objectives: (i) establish the general conditions applicable to the SAE and define the modalities for SAE’s integration into the SEN; (ii) establish the general requirements to be met by interested parties for SAE’s integration and participation in any of its modalities; and (iii) establish the interconnection/connection procedure to be observed by those interested in integrating the SAE.

The DACG are mandatory throughout Mexico. Generators, exempt generators, suppliers, transporters, distributors, entities responsible for load, and end users will be subject to the provisions as applicable.

The SAE’s integration into the SEN will be carried out in one of the following modalities, in accordance with the general requirements for each of them: (i) SAE-CE; (ii) SAE-CC; (iii) SAE-AA; and (iv) non-associated SAE, excluding the SAE-GE modality, whose integration will comply with Resolution RES7142/2017.[1]