Vatican city battery management systems

Vatican city battery management systems

VATICAN CITY--Pope Francis and other Vatican officials will soon be driving electric vehicles. Early next year, Volkswagen AG will deliver 40 EVs, including the ID.3, ID.4 and ID.5.

The vehicles are part of a decarbonization strategy that aims to make the Vatican fleet climate-neutral by 2030. Sustainable mobility is at the heart of a specific program called "Ecological Conversion 2030" that aims to reduce the CO2 footprint of the state"s vehicle fleet. To achieve this, the existing gas-powered vehicles will be gradually replaced by battery-powered cars.

"The electrification of fleets is becoming increasingly important across the globe," says Imelda Labb?, a member of the board of management for sales, marketing and after sales at Volkswagen Passenger Cars. "The fact that Vatican employees will now also be among our ID. drivers in the future is a great target and honor for our brand, and underscores the attractiveness of our all-electric models."

"We are delighted to support the Vatican in this important project," adds Christian Dahlheim, Ph.D., chairman of the board of management of Volkswagen Financial Services AG. "This is something very special for us and shows that we are absolutely competitive with our mobility solutions."

Returning for its third year, The ASSEMBLY Show South is the premier event for assembly technology, featuring expert-led sessions, product demos, and valuable networking opportunities--all in the heart of Nashville"s thriving manufacturing hub.

Electric vehicles (EV) rely on battery management systems to maximize their power, range, and efficiency. Every battery cell in the EV has to be connected (wired or wirelessly) to a Battery Management Controller (BMC). Automotive manufacturers try to maximize the number and density of the cells whilst maintaining galvanic isolation, increasing the necessity for correct management. To ensure performance and safety, it is crucial to emulate the battery cells used in electric vehicles as well as verify the communications between the BMC and Cell Management Controller (CMC).

To optimize the monitoring, controlling and management of the battery cells using the BMS. For example, overcharging and deep discharging reduces the lifetime of the batteries, so correct control by the BMC must be ensured:

"The battery Management System is the key element in electric vehicles in the same way that the Engine Control Unit is central to the operation of conventional cars. Therefore, ensuring its correct and safe function is critical for optimum performance, range and efficiency. We are proud to say that BMS test solutions from Rohde & Schwarz provide our customers with the highest accuracy and stability available on the market."

Vatican city battery management systems

Learn how all wireless BMS module calibration, receiver, transmitter and DC tests can be conducted fast and executed reliably for verification in the lab and for production tests ensuring highest yield.

Electric drivetrain developers must adopt new technologies such as fast-switching semiconductors and higher battery voltages to improve the efficiency and range of electric vehicles. Download this poster to get an overview of eDrivetrain developments and how to test them.

This use case summary, describes the joint collaborative project between ADI and R& S on improving the test methodology used to ensure the seamless performance of the wireless battery management system used in electric vehicles.

Download this case study to discover how the Politecnico di Torino used the R& S(R)Scope Rider RTH handheld oscilloscope to design vehicles with record-low fuel consumption. Particular focus is on monitoring CAN bus and debugging the cellular module for a real-time telemetry system.

Contact us for free full report

Web: https://www.hollanddutchtours.nl/contact-us/
Email: energystorage2000@gmail.com
WhatsApp: 8613816583346