



Delta LOYTEC helps build smart campus with IoT

Text by DGC

Delta LOYTEC's IoT-based smart building solutions have yet again been adopted by a campus. A unified system platform realized the intelligent management of the electromechanical equipment in the eight campus buildings. And an IoT architecture platform was built to integrate 3 major systems, namely building automation, smart lighting, and energy management.

In this solution, Delta's LOYTEC building automation system significantly improved management efficiency by incorporating large electromechanical equipment on each floor of the eight campus buildings, including AC, indoor environment monitoring, ventilation, plumping, VRV air conditioning, elevator, and power distribution systems, onto a unified platform for management and monitoring. Delta's smart lighting software, LWEB, can easily perform local or remote lighting control of individual areas based on outdoor lighting, electricity demand, etc., to ensure pleasant yet energy-efficient lighting of the building. Additionally, Delta's energy consumption system provides real-time energy consumption status with visualized energy consumption data from all pieces of equipment, so that schools can take appropriate measures to save energy by accurately analyzing data. In this solution, the all-IP architecture of the platform also enables precise management of equipment and systems. The platform equipped each floor of every building with a DDC module with CPU, making multi-story control impossible and ensuring devices work independently without interfering with each other.

With an IoT-based smart building solution, Delta's LOYTEC brought about greater integration of equipment and IoT in the entire building through an open platform, promoting "smart campuses" by helping schools with digitalized and intelligent management.



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