



## The Zhiyuan Building on National Chiao Tung University's Tainan campus

Text by BABG

Delta provides Zhiyuan Building one-stop consulting and engineering services for green buildings and smart buildings—from integrated planning of architectural design to execution of projects.

### Smart management for more efficient building operations

Using Delta Controls web-based graphic control software enteliWEB for central monitoring and the LOYTEC building control system that supports various open communication protocols, facility managers can monitor various subsystems, such as lighting, air conditioning, fire alarms, water supply and drainage, and emergency systems on a single platform to reduce management costs. The smart elevator call system can arrange elevator cars by identifying the number of people in a queue using the VIVOTEK 360° fisheye camera, which can save people's waiting times. The Vivitek NovoDS digital dashboard shows the elevator call status in real time, improving the efficiency of elevator operation.

### Intelligent monitoring of air conditioning and lighting equipment

In terms of energy-saving design, a pleasant temperature and humidity is maintained while saving on air conditioning by using a variable-frequency chiller, Variable Water Volume System (VWV) control, automatic scheduling control of exhaust fan, and more. In addition to fully adopting energy-saving LED lighting and implementing zone-based lighting control, the public area on the first floor also adopts the DALI system constant lighting control.

### Intelligent security management

Delta SmartPASS Access Control Management supports dual access control using RFID access control and facial recognition integrated on the same platform, which enhances management efficiency and convenience.



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