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Case Study—Siemes Building Technology

Case Study-Lift Control at Taikoo Shing Cityplaza 3 & 4

Background

Siemens Building Technology (SBT) officially formed in October 1998. The group offers total solutions for systems engineering, including turnkey systems as well as manufacturing products for distribution. Siemens Building Technology serves the diverse needs of clients in the Hong Kong SAR and Mainland China, as well as other Asia –Pacific countries, provides intelligent building solutions in terms of HVAC (Heat, Ventilation and Air-Conditioning) system, Fire Services system, Plumbing and Drainage system and Electrical system. Being one of the top electronic and electrical system suppliers in Europe, Siemens has delivered sophisticated landmark systems successfully in Europe and other countries.

User Requirements

1. The end user, TaiKoo Shing- Cityplaza 3 & Cityplaza 4, which is one of the high rents Commercial Building in Hong Kong, need a modernized security management system starting from the Entrance of the Commercial Building Complex to Lift Lobby, which allows property management control and record each legitimate user or guest accessing the building.
2. For security reasons, the lifts are only opened to legitimate users during non-office hours. Every legitimate user must use their staff card for authentication and authorization to use the lifts.
3. Users are only allowed to access authorized floors via the lifts.
4. Visitors must be guided by security guards to their destination floor.
5. All transaction records of card access must be retained for auditing purpose.

Project Descriptions

1. 10 lift controllers with 10 readers are installed in 10 lifts. i.e. 1 controller-reader set for 1 lift. Controllers are installed in machinery room while readers are installed inside lift cargo.
2. All data are transferred back to control room for centralized data management.
3. Time zone control and access rights assignment via Lift Manager software setup in control room.
4. Management reports and exceptional reports are provided for auditing purpose.
5. Every controller has a Bypass key for Emergency use.



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User Comments

SAP Hong Kong Co. Ltd

- Located on 11/F Cityplaza 4
- Ms Lai- Consulting Administration “feels more safety when she works overtime or during weekend.”

Nokia (H.K.) Limited

- Located on 16/F Cityplaza 4

Ms Lam- Buyer, ORS HK, is a highly secure commercial building can prevent crimes. She mentioned that after “911” all the Commercial Building Complex need more secured against violence attack.