



integrated

## Case Study—People's Education Press

### Background

People's Education Press was established on December 1<sup>st</sup>, 1950. The People's Education Press (PEP) is a press under the direct leadership of the Ministry of Education (MOE) of the People's Republic of China. It mainly engages in research, writing, compilation, publication, distribution, and import and export school textbooks and other education books. For more than 50 years, PEP was exclusively authorized by the MOE to preside over and participate in designing curriculum standards for primary and secondary school subjects. PEP has compiled and published ten sets of nationwide school textbooks and teaching materials. Since its establishment, a total of over 30 thousands titles have been published with total sales of 60 billion copies.

PEP has about 1,500 skilled and efficient staff, about 499 of whom are editors working in PEP's headquarters. The editors' main job is the research, writing and compilation of school textbooks and other educational materials. PEP has 27 editorial departments for different school subjects and one journal department. The PEP Library is the national centre of school textbooks in China with a large number of textbooks from China and other countries. With the development of a market economy and the reform of the publication system in China, PEP has founded several sub-companies.

The commercial building of PEP is a smart intelligence building; the auto-controlling system applied the most advanced internet technique, communication technique, and control technique. Hence, one-card-solution system in the project should be able to enhance information management of the building.

### User's Requirements

1. System collects employees' in/out and attendance data, while software is required to function in real-time generating data, which is convenient for attendance and payroll management.
2. Report structure, dynamic link library and data are provided to customers for the second development.
3. Access control, data collection and POS points should be set up.
4. Expansion ability of one card solution should be concerned for further connection and integration with other systems
5. Design of the system should meet the most advanced design concept and information technology standard.



integrated

## Project Descriptions

1. A touch screen was installed at the main door on 1/F and a card reader was installed next to it. Software can collect the data and upload the in/out attendance data to administration system on real-time. The interface of system was customized to meet PEP's requirements.
2. Library management system provides interface and hardware for second time development. It is convenient for the application of other library management software from other companies.
3. Access control point: 128 points. Access control system was installed at the security centre on 1<sup>st</sup> floor. 128 controller units CU/SD, 5 main communication server CU/NW and 5 MOXA AP-DE311 were equipped.
4. Individual data collection point: 5 points, including 2 attendance data collection points which were installed at relevant department on 20/F. The other 3 data collection points are for Library borrow data collection which was installed at reception on 1/F.
5. POS point: 9 points, including 6 points at canteen on B1/F, 1 point at cafeteria, 1 point at clinic, and another 1 point at reader service department on 1/F. iPOS hardware POS/P1-M were installed at all POS points and connected with the POS management system which was installed at control room on B1/F for POS data collection.
6. Interface of database was opened for easy connection between one card solution and other systems. One card solution system server was installed at server room and authentication management was installed at relevant department on 20/F for better management and efficiency.