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Case Study—Xingjiang_Kelamayi

Background

Xinjiang Oilfield Corporation, a subsidiary of China National Petroleum Corporation (CNPC), is West China's largest oil and gas producer and supplier and is located at West China. It has 120,000 employees currently and fixed asset of 20.8 billions and annual sales revenue of 12.8 billions in 1996. It is a world-leading integrated international energy company with businesses and operations covering petroleum exploration and production, oilfields services, natural gas & pipelines, refining & marketing, petroleum equipment manufacturing and new energy development, electricity & telecommunication, logistic, water supplies, engineering construction.

The company has accumulatively 22 oilfields, 1.9 billion tons of proven crude oil reserve, and 0.188 billion tons of crude oil production. The company's production is continuing its sustainable and stable growth for 22 sequent years. Crude oil production has ranked top 4 among the oilfields in China for 13 years consequently.

User's Requirements

1. One card solution should be applied on systems like access control, attendance, POS, patrol, car parking management respectively, and with adoption of personal data.
2. System allows card issuance by user-definition in order to cooperate with the application of access control system and various charging control system. Users can manage color personalization of card surface.
3. Access control has to function in scheduling, alarming, recording, and interfacing.
4. POS system for cafeteria should interface with tripod turnstile that card users enter the cafeteria after swiping cards and auto-payment is made simultaneously.
5. POS system allows payment by meal allowance which is issued by client monthly. Hence, card swiping procedure is unnecessary.
6. Car parking management system must possess graphic contrast and parking vacancy display function and one card for one vehicle system in order to ensure high security of parking operations in parking lot.
7. Patrol system allows online real-time patrolling that access control management and patrol personnel can be administered by real-time electronic mapping.
8. To ensure normal operation of the entire system under the low temperature circumstance (the lowest temperature is -40 degree census).



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Project Descriptions

1. Administration building of Kelamayi oilfield is separated in the main and secondary building. Construction area of the main building is 2230 sq. meters, total height of 31.8 meters, with 7 storeys. Construction area of the secondary building is 6266 sq. meters with 3 storeys, aiming for cafeteria, gym and entertainment. There are 300 access control points, approximately 20 POS points and one parking system.
2. AGMS software is adopted on the basis of the one card solution as communication platform upon request. Card issuance centre unified administration of personnel and card issuance data, each subsidiary systems are adopting the unified personnel data.
3. To consider the cost control, online patrolling function is integrated with access control system that patrol personnel can merely punch their cards on the access control reader to process patrol management. Hence, no additional reader is needed for this purpose.
4. Cafeteria system is operated in online mode upon request in order to unify add-value procedure and real-time payment.
5. Parking management system is on the basis of standard products, equipping with electronic display panel, reflecting real-time occupation of parking lot. Real-time payment is administered on the incoming vehicles.
6. In order to adapt the environment condition, auto-temperature control function is designed for the system to ensure stable operation. Operation of the system and functions remain stable and in use for the time being.