

Customer case study

Holcim Group

(Ambuja Cement, ACC Concrete, ACC Ltd)

Ambuja Cement, ACC Concrete Ltd and ACC Ltd together forms Holsim group. ACC Limited is India's foremost cement manufacturer with a countrywide network of factories and marketing offices. Established in 1936, ACC has been a pioneer and trend-setter in cement and concrete technology. Among the first companies in India to include commitment to environment protection as a corporate objective, ACC has won accolades for environment friendly measures taken at its plants and mines, and has also been felicitated for its acts of good corporate citizenship

Holcim Group has about 70 locations in PAN India, 20 Regional Offices and HO in Mumbai. 70 locations are connected to its Regional Offices by TCP/IP. There is no communication between the locations of different Regions and between ROs and HO.

The attendance data of the locations was to be downloaded in their respective ROs. They wanted a facility that the ADMIN at RO would be able to see the report of their respective locations.

The databases & the reports were discrete at all ROs.SAP integration was to be done at HO.

They also required distinct In/Out punches. They were going to use different readers for In and Out with LCD display. The card number; Empcode and Employee Name were to be written on the card.

Challenge Faced:-

The major challenge faced in this site was; the environment where these cement factories are situated come under extreme hot temperature with fluctuating power conditions. There were more than 20 ROs without any connectivity with the HO. They wanted to use Ms-Access database for around 10000 employees and 300 controllers. Practically it was not possible to use Access database for such a big site.

Solution Offered:-

Our installer Eviska has installed single door controllers with Download Engine as a solution to their requirement. The connectivity problem is solved by installing different Download Engine software at all ROs. The data gets downloaded independently in different database. A customized log file is created which is sent to HO and is imported in SAP.The distinct IN/OUT Punches problem is solved by connecting 2 different single door controller configured to IN and OUT respectively and the keypad is locked so that nobody can change it. The SAP integration is taken care by generating a customized log file and exporting it to the SAP application.Emp code, Emp name are written in the card. On swiping the cards; the readers will display the same on the LCD screen on the single door controller.

Technology /Product Used:-

ACC:-

- 1) No of Employees:-8000
- 2) Type of controllers used:-Single Door Controller with battery backup power supply. (Quantity-180 nos)
- 3) No of Locations:- 16

Ambuja Cements:-

- 1) No of Employees:-4500
- 2) Type of controllers used:- Single Door Controller with battery backup power supply. (Quantity -80 nos)
- 3) No of Locations:- 21

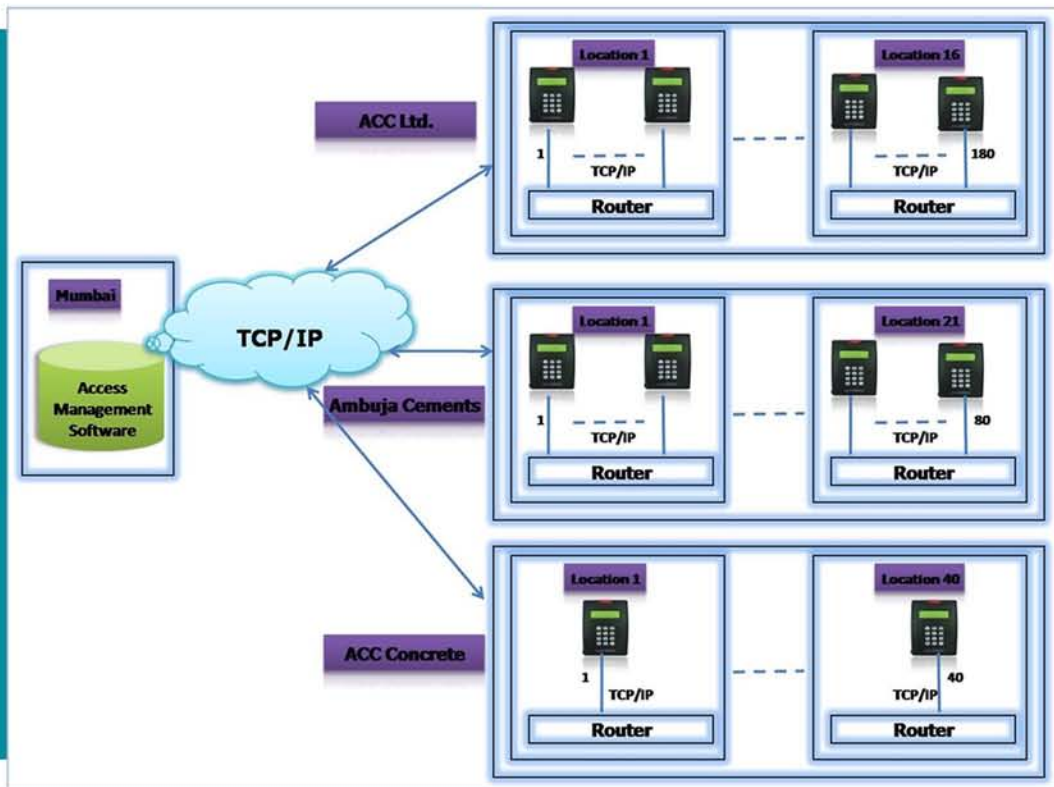
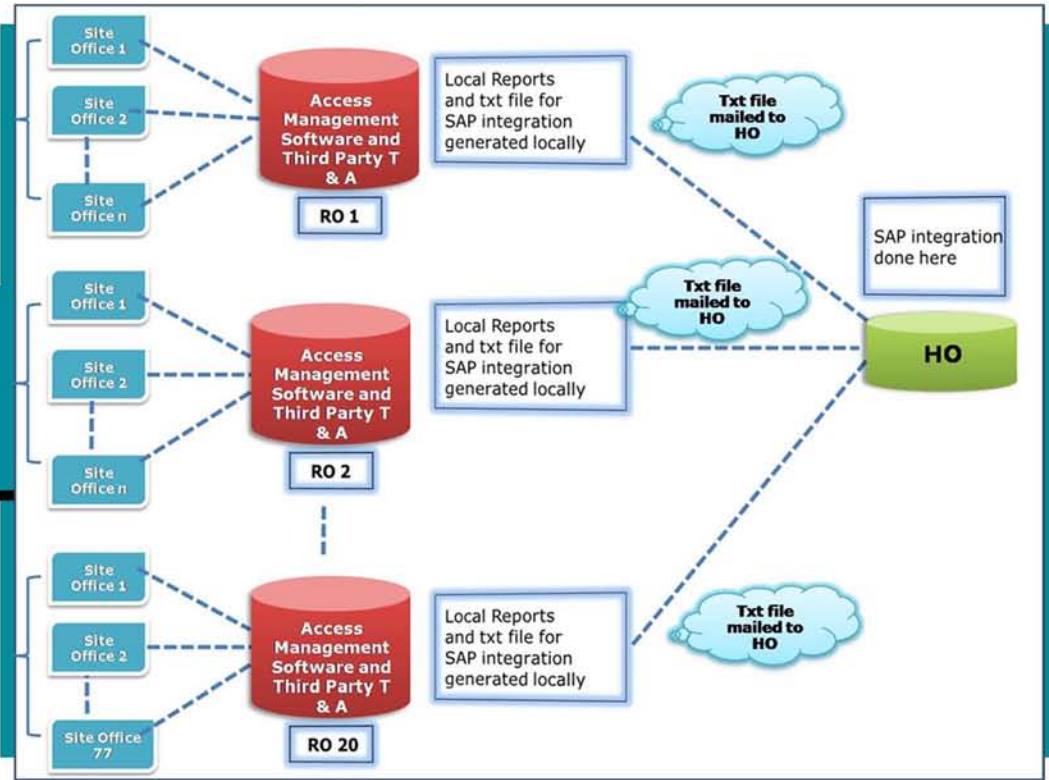
ACC Concrete:-

- 1) No of Employees:-1000
- 2) Type of controllers used:- Single Door Controller with battery backup power supply. (Quantity -40 nos)
- 3) No of Locations:- 40

Migration Plan:-

The decentralized database is now to be transferred to a centralized database. We will be migrating ACC's desktop version to a client-server version.

Flow Diagram of Holcim Group



Architecture of Holcim setup