



Case study

How Tata Elxsi **secured & streamlined workforce access** for 6,330+ employees

Tata Elxsi, a Tata Group company, provides design and technology services for product engineering and solutions across industries including broadcast, communications and automotive. The case study covers an integrated access control, time attendance and visitor management deployment across 5 sites in India, including Bengaluru, Pune, Trivandrum, Chennai and Delhi. With requirements covering more than 6,330 employees, Tata Elxsi required a centralised environment for managing access, attendance and visitor-related processes across its distributed facilities.

The Challenges

The major concerns faced by Tata Elxsi were:

- Limited visibility of employee and visitor movement across geographically distributed facilities.
- Difficulty protecting sensitive areas such as data centres while applying appropriate access restrictions.
- Attendance information generated across multiple locations was difficult to manage consistently.
- Different facilities had site-specific operating requirements, increasing administrative complexity.
- Multiple shift patterns, working-hour regularisation and payroll processes created additional workforce-management challenges.
- Manual attendance handling increased the possibility of errors, mismatched records and inefficient administration.
- Attendance misuse, including proxy sign-in through duplicate cards and record falsification, affected the reliability of workforce records.
- Tata Elxsi needed an architecture that could accommodate continued organisational growth without creating isolated systems at individual locations.

The Requirements

- Support attendance management for more than 6,330 employees.
- Connect access control, time and attendance and visitor management within a common technology environment.
- Consolidate employee master information received from SAP with attendance information generated at different facilities.
- Support different employee work schedules, including weekly, night, automatic and flexible shifts.
- Provide appropriate access privileges for employees, visitors and restricted areas.
- Enable real-time staff and visitor occupancy information for operational monitoring.
- Allow the application to be configured according to individual site requirements.
- Provide visitor pre-registration, meeting planning, meeting-room allocation and visitor-pass issuance.
- Support reporting and administration through a common web-based environment.
- Provide sufficient scalability and flexibility for future deployment expansion.

The Solution

IDCUBE implemented Access360 as a centralised access and identity management platform to integrate Tata Elxsi's facilities across India. The architecture used central Access360 servers at the corporate headquarters to store employee data received from SAP and attendance logs generated by controllers across different branches.

The central location was Bengaluru. The Access360 environment included the Web Application for access control and time attendance management, along with its attendance module for shift management. The system supported workforce attendance across multiple shifts, including night shifts. R10 readers were installed to capture attendance at different facilities.

The Access360 Server included the Application Manager for exchanging information between devices and the database, and Security View for local alarm management, alarm monitoring, device control configuration and event application.

An integrated visitor management system allowed employees to plan meetings, allocate meeting rooms and pre-register visitors through a web portal. The ezvisit10 client was used to capture visitor photographs and additional information and to generate visitor passes.

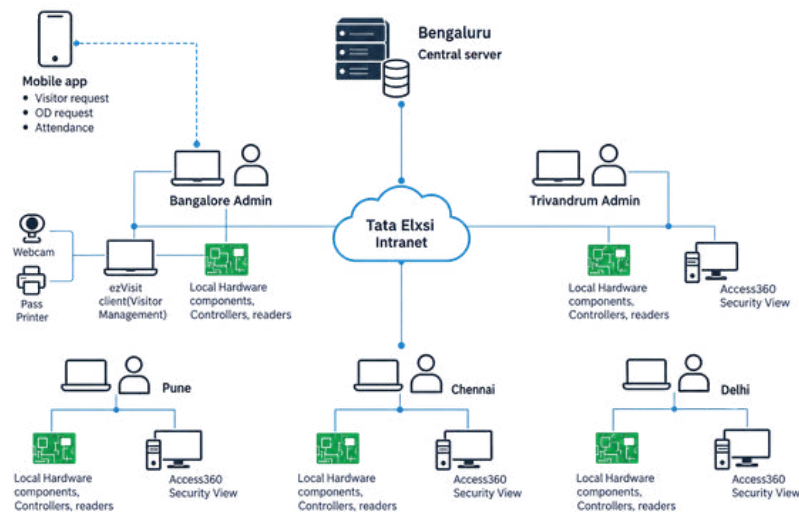
The Access360 environment also included the Access360 Database and Access360 Web Interface for reporting and management. The centralised architecture enabled attendance logs from different locations to be managed through the central environment, while employee information was received from SAP.

The Result

The implementation delivered the following benefits to Tata Elxsi:

- **Centralised Access & Attendance Management:** Access360 simplified the monitoring of employee and visitor access and attendance across Tata Elxsi's different sites.
- **Improved Attendance Management:** A centralised digital attendance system provided consolidated attendance information across locations and supported payroll processing.
- **More Reliable Attendance Records:** Automated, centralised time-attendance processing helped provide accurate attendance information across the workforce.
- **Reduced Attendance Malpractice:** Real-time attendance records transmitted to the centrally managed server helped address practices such as tailgating, proxy sign-in through duplicate cards and record falsification.
- **Flexible Shift Management:** Access360 supported the creation, monitoring and management of weekly, night, auto and flexible shifts, with attendance tracking across these shifts.
- **Integrated Visitor Management:** Visitor pre-registration, meeting planning, meeting-room allocation, visitor information capture and pass generation were incorporated into the access management environment.
- **Scalable Multi-Site Platform:** The source states that Access360 scalability could address future expansion requirements cost-effectively, supporting Tata Elxsi's distributed facilities.

System Architecture



Scan to explore more



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