

Customer Case Study

Numaligarh Refinery Limited (NRL)

A Public Sector undertaking Refinery in Golaghat, Assam is secured with Smart I's Integrated Access Control System (IACS)

Numaligarh Refinery Limited (NRL), which was set up at Numaligarh in the district of Golaghat (Assam) in accordance with the provisions made in the historic Assam Accord signed on 15th August 1985, has been conceived as a vehicle for speedy industrial and economic development of the region. The 3 MMTPA Numaligarh Refinery Limited was dedicated to the nation by the Hon'ble Prime Minister Shri A. B. Vajpayee on 9th July, 1999. NRL has been able to display creditable performance since commencement of commercial production in October, 2000. With its concern, commitment and contribution to socio-economic development of the state combined with a track record of continuous growth, NRL has been conferred the status of "MiniRatna" PSU.

Requirements:- NRL has a huge wide area premise, where security is a very crucial component of the organization. Without integrated system the security of premises are beyond imaginations. NRL had requirement of a secured premises where every person who is entering in the premises would be tracked. They required an integrated security solution that would serve the purpose of identification of users, tracking of visitors, maintaining attendance of employee, restriction to unauthorized users, restricts unauthorized vehicles, at a single platform. Apart from physical security it should have facility for employees to track their attendance, also to apply leave online and schedule a visitor online. HOD should have facility to sanction the leave form and monitor the attendance of employees, generate various reports for MIS.

Solution Offered by Smart I Multi Door Controller IP Based

All the doors which are used for pedestrian are equipped with Turnstiles and Card reader. All card readers and turnstiles are connected to Smart I's multi door controller, if any user wants to enter the premises he should have an authorized valid card, if the card swiped is a valid one it is only then that the turnstile will be operated and the user will be granted access to enter else the user will not be allowed to enter the premises.

Attendance Matters

NRL has approx 2000 employee from management level executive to fourth grade laborer where attendance management was only possible with a robust system which can manage various types of parameter based on employee. There are various departments where attendance devices were required. We have given our standalone controller with Biometric + card reader. All employees' fingers are stored in their HID cards. The biometric readers are based on latest technologies which has 12 security levels to verify the user's finger. User has to swipe his card and place his/her finger if both are matched then only attendance is marked. It prevents the proxy attendance and also prevents misuse of cards.

Integrated Solutions

Smart I deployed the complete (IACS) which commissioned by M/s. Firepro Systems, Bangalore. The system is equipped with sophisticated Smart I's multi door Controllers, standalone biometric controller with HID readers and powered by Smart I's Access control Software. The complete system included third party software integration of Web based Time & Attendance Management; Web based Visitor Management and Security & Gate Pass Management with Smarty's Access Control Software. Visitor management systems and Time & attendance system is accessible from any corner of the world and various types of real time reports i.e., Visitors reports, office inside reports, etc. can be viewed online. All multi door controllers and time attendance controller are connected to access software which is integrated with Web based software. Through the integrated software various types of reports can be generated as per requirement of the users.

Highlights of Projects

Total No. of doors	100+
Total No. of employees	2000
Total no. of Controllers	62 (2 D/2R & 4D/4R Controller, Single Door Biometric Controller)
Software	Enterprise Access Management Software

Smart-i Electronic Systems Pvt. Ltd.

An ISO 9001:2015 Certified Company

Access Control | Time Attendance | Integrated Security Solutions | Software Solutions

Head Office:

R&D, Training & Customer Support Centre,

Units 254, 2nd Floor, Building No D-7,

Bhumi World, Pimplas, Opposite Tata Housing – Amantra, Bhiwandi,

Thane – 421302. Maharashtra. INDIA. | Tel: +91-02522-661513