



THE NATIONAL REFERRAL HOSPITAL TRUSTS MATRIX TIME-ATTENDANCE AND ACCESS CONTROL SOLUTIONS

Case Study - Jigme Dorji Wangchuck National Referral Hospital (JDWNRH)

COMPANY PROFILE

The Jigme Dorji Wangchuck National Referral Hospital is one of the top most renowned institutions in Bhutan delivering Healthcare services. The hospital caters to the population of Thimphu and neighbouring districts. The hospital not only functions as the National Referral Hospital for the entire country but also functions as: Regional Referral Hospital for the Western District, District Hospital for Thimphu District, Human resources pool and technical backup for District Hospitals, Clinical training centre for the Royal Institute of Health Sciences (RIHS) and Technical support to the Public Health Programmes.

PROJECT HIGHLIGHTS

- **Application:** Access Control, Time-Attendance and Visitor Management
- **Users:** 3,000
- **Devices:** 200+
- **Locations:** Thimphu, Bhutan (Single Location)
- **Industry:** Healthcare

CHALLENGES

As the hospital works round the clock, one of the major concerns was to manage complex shifts of employees. Elevator control, where only users with access rights can call the elevator, was another challenge the hospital wanted to meet. Furthermore, the customer also wanted a solution, with

the help of which the admin could assign entry and exit points for patients, visitors and employees. Lastly, the management wanted to restrict visitor entry to a pre-defined time and rooms of the hospital for better visitor management.

MATRIX OFFERED SOLUTION

Matrix pitched its Access Control, Time-Attendance and Visitor Management Solution along with the different variants of biometric devices, which fulfill every requirement of this renowned Hospital. Around 206 devices were installed in the hospital that are used in controlling access at rooms and elevators. Devices were installed at the Main Entrance, Ward Rooms, Server Rooms, Outside Elevators and at Ramps on every floor to restrict access. So, there is no individual in the building

who is not enrolled in the system. As the Hospital works 24 hours, there are multiple shifts in which the employees work. Through this, the Hospital could manage multiple shifts of employees. Approximately, 700 visitor profiles were created with constrained time to visit, limited rooms to enter and a pre-defined route of access. Also, crowd at the elevator was controlled by restricting the use to only users with elevator access rights.

SOLUTION DIAGRAM



RESULTS

JDWNRH fulfilled its requirement with Matrix People Mobility Solution and achieved the following results:

- Improved Security by Restricting Un-authorized Entry Using Access Control Solution
- Reduced Complexity of Shifts by Time-Attendance Solution
- Crowd Controlling through Elevator Access Control
- Time based and Zone based Entry Restrictions for Visitors and Patients

PRODUCTS

PRODUCT	QUANTITY	DESCRIPTION
COSEC VEGA FAX	47	Fingerprint and Card based Door Controller for Time-Attendance and Access Control Application
COSEC VEGA CAX	65	Card based Door Controller for Time-Attendance and Access Control Application
COSEC PATH DCFE	28	Fingerprint and Card based Door Controller with IP65
COSEC PATH RDCE	66	Card based Exit Reader with IP65
COSEC ENROLL CARD	1	Card Enrolment Station
COSEC ENROLL FINGER	1	Finger Enrolment Station
COSEC VEGA CPM EM PROX	112	EM Proximity Card Personality Reader Module for VEGA Series Door Controller
COSEC CPM EM PROX	1	EM Proximity Card Personality Reader Module
COSEC CENTRA LE	1	Application Server Platform with 1,000 Users and Expandable up to One Million Users for basic Access Control and Raw Event Data
COSEC LE TAM	1	Time-Attendance Module for COSEC CENTRA LE Users
COSEC LE ACM	1	Access Control Software Module for COSEC CENTRA LE Users
COSEC LE VMM	1	Visitor Management Module for COSEC CENTRA LE Users
COSEC USER100	5	User license for 100 users

ABOUT MATRIX

Established in 1991, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization, Matrix is committed to keep pace with the revolutions in the telecom and security industries. With more than 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like IP-PBX, Universal Gateways, VOIP Gateways and Terminals, GSM Gateways, Access Control, Time-Attendance and Video Surveillance solutions. These solutions are feature-rich, reliable and conform to the international standards. Having global footprints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



MATRIX COMSEC

Head Office

394-GIDC, Makarpura, Vadodara-390 010, India.
Ph: +91 265 2630555, Fax: +91 265 2636598
E-mail: Inquiry@MatrixComSec.com
SMS 'MATRIX' to +91 99987 55555

Manufacturing Unit

19-GIDC, Waghodia, Dist. Vadodara-391 760, India.
Ph: +91 2668 263172/73

www.MatrixAccessControl.com

For further information, please contact:

