



Matrix Transforms Communication Landscape for CHARUSAT with Dedicated Modern Features in a Multi Location Solution.

Case Study

Customer Name

CHARUSAT

Industry

Education

Location

Anand, Gujarat

Partner

Rutvi System

University Overview:

CHARUSAT, a much-revered state private Science and Technology University in Charotar region of Gujarat, was established from the parental organization, which has been working in the mission of social service through education for more than 125 years. The Gujarat Government has granted the status of "Centre of Excellence" to the University. The university has about 1700 faculty members and 8000 students.

Challenges:

The University is one of the most recognized and revered institutions amongst science and technology enthusiasts. The institution's enrollment grew due to its effective education methods, rendering the old communication technology in its buildings obsolete. Additionally, the university was planned to expand with the new academic year, making way for modern communication technology to unify communication across multi-located buildings and offices.

To elaborate on their challenges:

Redundant and low-capacity system: The system proved to be outdated and of low capacity to carry the communication load across offices in the same and multi-located institutions.

Communication across Multi Location offices: The University was also undergoing an expansion, by setting up a new building, that was located distantly but needed to be connected seamlessly to the main building

Upgradation: Short of modern features like Multi-party Conferencing, Unified Services for Mobility, etc give them a reason to modernize their outdated communication system.

Scalability and Redundancy: They required a solution capable of effortlessly adjusting to future needs, ensuring smooth scalability for upcoming applications. Additionally, including redundancy (backup) was crucial to ensure uninterrupted operations.

Solution

Matrix Comsec, in collaboration with Rutvi System, carefully analyzed the issues encountered by the CHARUSAT authorities. Working together, they developed a customized, Multi Location solution. The suggested approach focused on enhancing and expanding the current infrastructure by incorporating Matrix Telecom Solutions. This involved implementing a Hybrid IP PBX and integrating a Media Gateway to streamline communication processes and ready them for future needs.

The Matrix solution includes:

- The Hybrid PBX, ETERNITY LENX, was housed at location 1 under the University complex. In addition to the Digital key phone, multiple analog phones were connected in location 1.
- Location 1 was connected to location 2 through IP. The ETERNITY LENX with SARVAM Gateway ENT enabled an arrangement of PRI Gateway from location 1 delegating an IP connection to ETERNITY MENX of location 2. A set of Digital key phones and multiple analog phones were connected in location 2.
- The Matrix Multi Location Communication solution seamlessly integrated both locations while simultaneously providing a set of modern communication features. This leads to improved adaptability and versatility within the organization, providing optimal advantages for contemporary communication requirements.

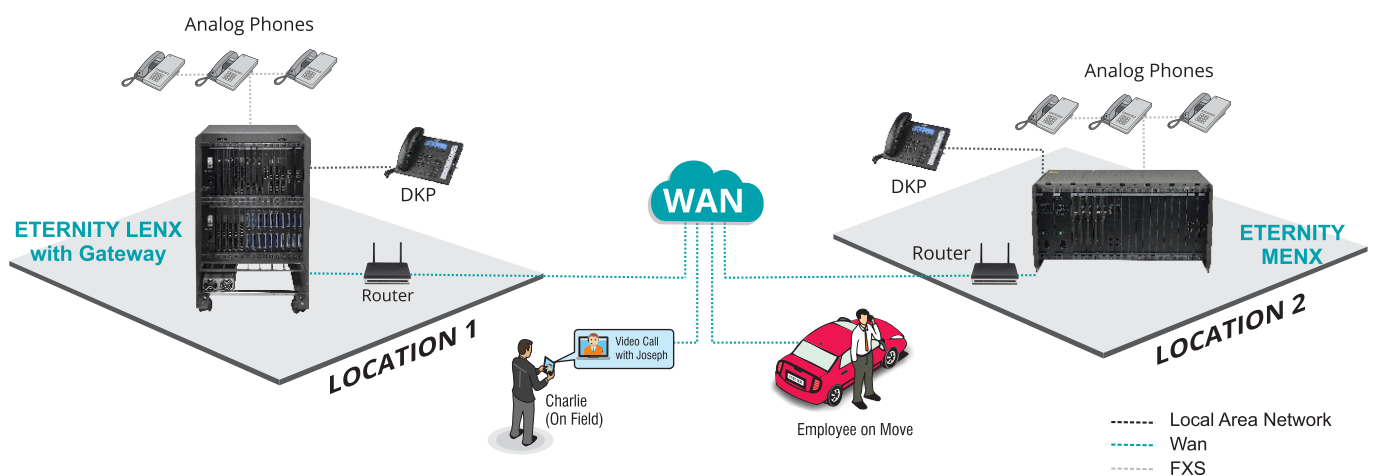
Products Offered

- **Hybrid PBX:** ETERNITY LENX27SDC & ETERNITY MENX16SAC
- **PRI Gateway:** SARVAM Gateway ENT License
- **Digital Key Phone:** EON510

Results

- The implemented solution allowed them to enjoy the advantages of modern communication features while facilitating seamless communication across their expanded infrastructure.
- The Hybrid PBX Systems, ETERNITY MENX16SAC, and ETERNITY LENX27SDC enabled a user scalability capacity of up to 2000 IP Users, making them future-ready. Additionally, a feature of the Hot Swappable Card ensured **uninterrupted operation** and **easy maintenance**. The Redundancy provided ensured high availability and continuity of communication.
- The **SARVAM Gateway ENT** License enabled them to use SARVAM as a Unified Communication Server and Gateway simultaneously, this **eliminates additional investments**.
- EON510 - Premium Digital Key phone comes with next-gen call amenities like Global Directory Integration, and Advanced Call Routing. This helped the institution to make the best out of these modern features by **enhancing employee productivity** and **efficiency**.
- A Multi Location solution by Matrix enabled the University to seamlessly connect multiple buildings. The modern communication features enabled them to become efficient and future-ready.

Solution Diagram



About Matrix

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As a technology-driven, and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries.

With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems – Video Management Systems, Network Video Recorders and IP Camera, Access Control and Time-Attendance Systems as well as Telecom Solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable, and conform to international standards.

Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 4000+ channel partners, Matrix ensures that the products serve the needs of its customers faster and longer.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, and 9001: 2015 certifications for quality management standards. Matrix has also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries.

For further information, please contact:



MATRIX COMSEC

Head Office

394-GIDC, Makarpura, Vadodara-390 010, India.

Ph: +91 265 26137222,

E-mail: Inquiry@MatrixComSec.com

Manufacturing

19-GIDC, Waghodia, Dist. Vadodara-391 760, India.

www.MatrixComSec.com

Call: 1800-258-7747