



A Prominent Indian Infrastructure Development Conglomerate Has Streamlined Communication Across 15 Buildings In Its Ambitious Real Estate Project Using Matrix Telecom Solutions.

Case Study

Application:

Multi-location, VoIP Connectivity,
VoIP-FXO-FXS Gateway

Industry:

Construction

Location:

Mumbai

Partner:

Pineapple Technologies PVT LTD

Company Overview:

The real estate division of a prominent Indian infrastructure and development conglomerate endeavors to create real estate ventures in the most vibrant and pulsating locales. Imbued in the essence of the firm's heritage is a steadfast dedication to seamlessly fuse design aesthetics with state-of-the-art construction technology. The organization ardently pledges itself to the noble cause of 'Nation Building,' concurrently embracing an unwavering resolve to champion environmental sustainability. Their diverse portfolio encompasses residential, commercial, and social club undertakings, sprawling across the prominent metropolises of India.

Requirements:

A residential area spread across 15 towers (also including Lifts, Lobbies, and Clubhouse) needed to be connected for multiple services and telecommunication features. As a completely new project, they required:

- Seamless IP connectivity across 15 towers in the residential area, ensuring 24x7 intercom accessibility for all residential buildings and common areas.
- Advanced communication features, including Voice Paging, Group messaging, Call Logs, and Call recording (limited to Common areas). Additionally, integrate personal smartphones with the extended intercom system for enhanced user convenience.
- Integrate the intercom system with a distress service to facilitate rapid safety evacuation procedures, enhancing the overall safety and security of the residential area.

Solution

In collaboration with Pineapple Technologies Pvt Ltd, Matrix crafted an all-encompassing telecom solution tailored for the esteemed Real Estate firm. This innovative solution guarantees seamless connectivity across multiple buildings, accompanied by a cutting-edge suite of communication features. The meticulously designed package comprises:

- PRASAR UCS - SPARK200, an embedded IP-PBX (with redundancy), is strategically placed at the primary site, orchestrating a network of IP Phones seamlessly connected within the building.
- At Wing 1, the SETU VFXTH0032, a VoIP-FXO-FXS gateway, has been positioned to facilitate the connectivity of multiple analog phones, ensuring efficient communication.
- In Wing 2, the SETU VFXTH0024, a VoIP-FXO-FXS gateway, has been strategically positioned to enable seamless connectivity for multiple phones, mirroring the setup in Wing 1.
- Alternate gateways, including SETU VFXTH0032 and VFXTH0024, were selectively employed based on specific requirements, effectively covering an additional 13 wings, along with lobbies, lifts, and a clubhouse, delivering a comprehensive solution.

Products Offered

- **Matrix PRASAR UCS SPARK200:**
Embedded IP PBX Server
- **Matrix SETU VFXTH0024:**
VoIP-FXO-FXS Gateway
- **Matrix SETU VFXTH0032:**
VoIP-FXO-FXS Gateway

Results

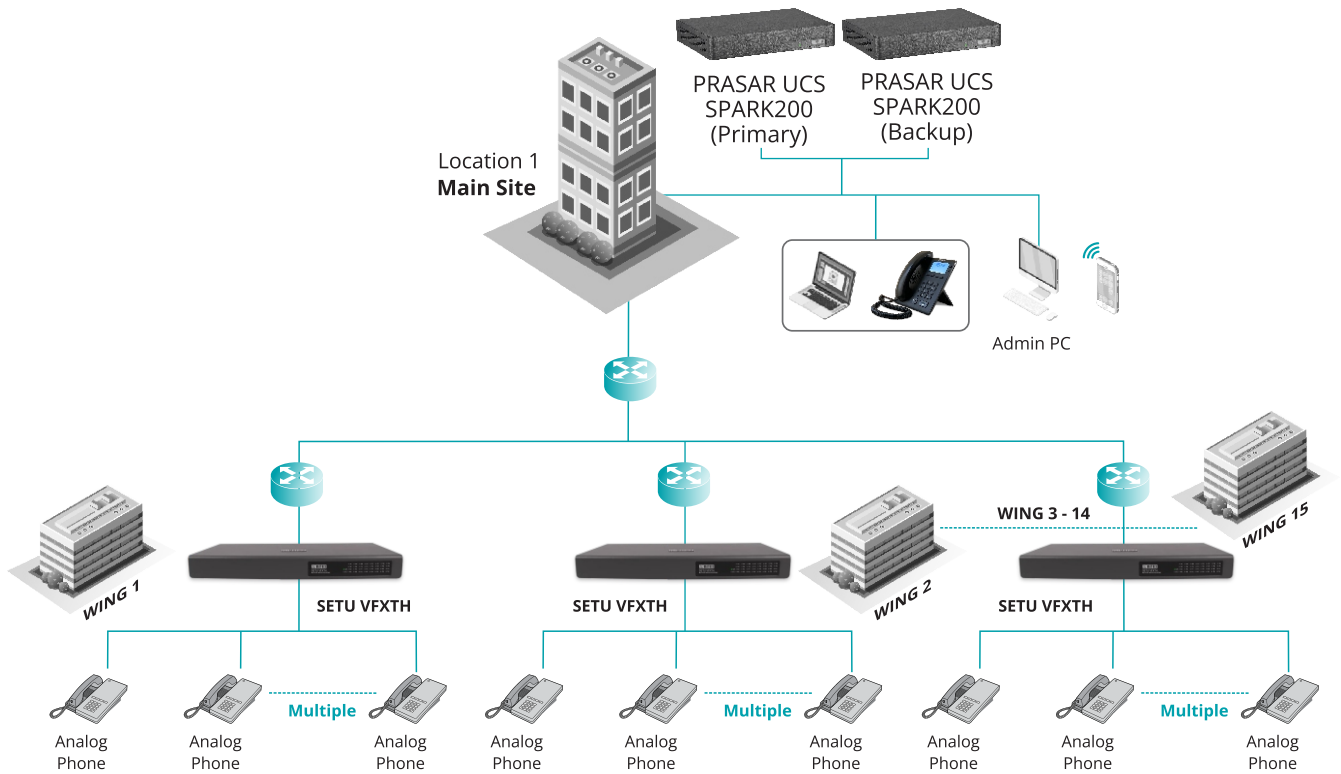
The implemented solution seamlessly connected multiple wings, unifying communication on a single platform. Leveraging Matrix Telecom products, the real estate project embraced cutting-edge communication features, enhancing ease of connectivity, and aiding, safety and security throughout the residential estate.

The solution:

- Ensuring flawless IP connectivity across 15 residential towers, including lifts, lobbies, and the clubhouse, the setup guarantees 24x7 intercom accessibility for all residential buildings and common areas. This is achieved through the integration of an Embedded IP PBX, VoIP-FXO-FXS Gateway, and IP/Analog Phones.
- The VoIP-FXO-FXS, SETU VFXTH series gateways facilitated advanced communication features. Furthermore, seamless integration with personal smartphones extends the intercom functionality for added convenience.
- The success of the project is contingent on the safety and security of residents and their assets. This vital aspect is guaranteed through the inclusion of distress services through effective communication, an integral feature of the Matrix Solution, ensuring the overall security of the estate.



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.



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