



MATRIX INTEGRATION SOLUTION HELPED POWER GRID STAY CONNECTED AND LIGHTING HOMES

INDUSTRY	Power Utilities
CUSTOMER	Power grid
LOCATION	Jammu
CHALLENGES	<ul style="list-style-type: none">• Connectivity between Power Plant and Residential Complex• Cost-Effective Solution without Changing the Current System• Support Organization's Expansion Plans• Easy management of communication system
SOLUTION	ETERNITY GE - IP-PBX and SETU VFX - VOIP Gateway <ul style="list-style-type: none">• Connectivity between the Existing Analog PBX through the VOIP Gateway SETU VFX to ETERNITY GE - The IP-PBX with Seamless Mobility and Universal Connectivity• 3-Digit Dialing between Plant to Residential Complex over IP Telephony• Remote Management of Systems with Web based GUI

INTRODUCTION

Power Grid is India's largest Electric Power Transmission Utility company. Established in 1989, it is a Power Utility Giant, rated as Excellent under Memorandum of Understanding with Ministry of Power since 1993-94. Power Grid is renowned for its excellent customer service and to achieve that, they are highly dependent on their communication backbone. The Jammu plant was facing a rigorous problem of connecting to their residential complex for day-to-day communication working in shift and during emergencies.

CHALLENGES

In the modern era of digital age, every state requires electricity being its basic necessity and with Jammu being a very cold state strives even more for it. With seamless connectivity and 24x7 uptime being the necessity of their service, Power Grid required constant communication between their plant and residential complex. With analog PBX, as the existing system installed in plant, Power Grid required a cost-effective communication solution between the two places keeping their existing system intact.

SOLUTION

Matrix offered its telecom solution with IP-PBX – ETERNITY GE and Gateway SETU VFX for seamless connectivity with stability between plant and residential complex. ETERNITY GE is a cost-effective SME IP-PBX for futuristic businesses, with scalable platform and universal connectivity that can be flexibly configured, expanded and centrally managed to address specific communication needs.

Moreover, SETU VFX is a multi-channel SIP Gateway offering seamless connectivity between VoIP and PSTN networks. This Gateway offers 4 FXO ports to connect Analog based telephony infrastructure to an IP network. SETU VFX enables businesses to create seamless office environment, integrating a traditional phone system into IP network and significantly reduce communication costs.

- **CONNECTIVITY BETWEEN THE EXISTING ANALOG PBX THROUGH VOIP GATEWAY - SETU VFX TO IP-PBX ETERNITY GE**

Existing Analog PBX working at the plant required to connect with newly installed Matrix IP-PBX, ETERNITY GE to provide seamless connectivity between plant and residential complex. But as the existing PBX was an analog one, it could not be connected directly to the ETERNITY GE. Hence Matrix provided a solution through its VOIP Gateway SETU VFX to terminate its FXO ports in existing Analog PBX, making it a bridge to connect IP network of ETERNITY GE. This allows Power Grid to keep their existing Analog PBX in compatibility with the new age IP-PBX.

- **REMOTE MANAGEMENT OF ALL THE SYSTEMS WITH WEB BASED GUI**

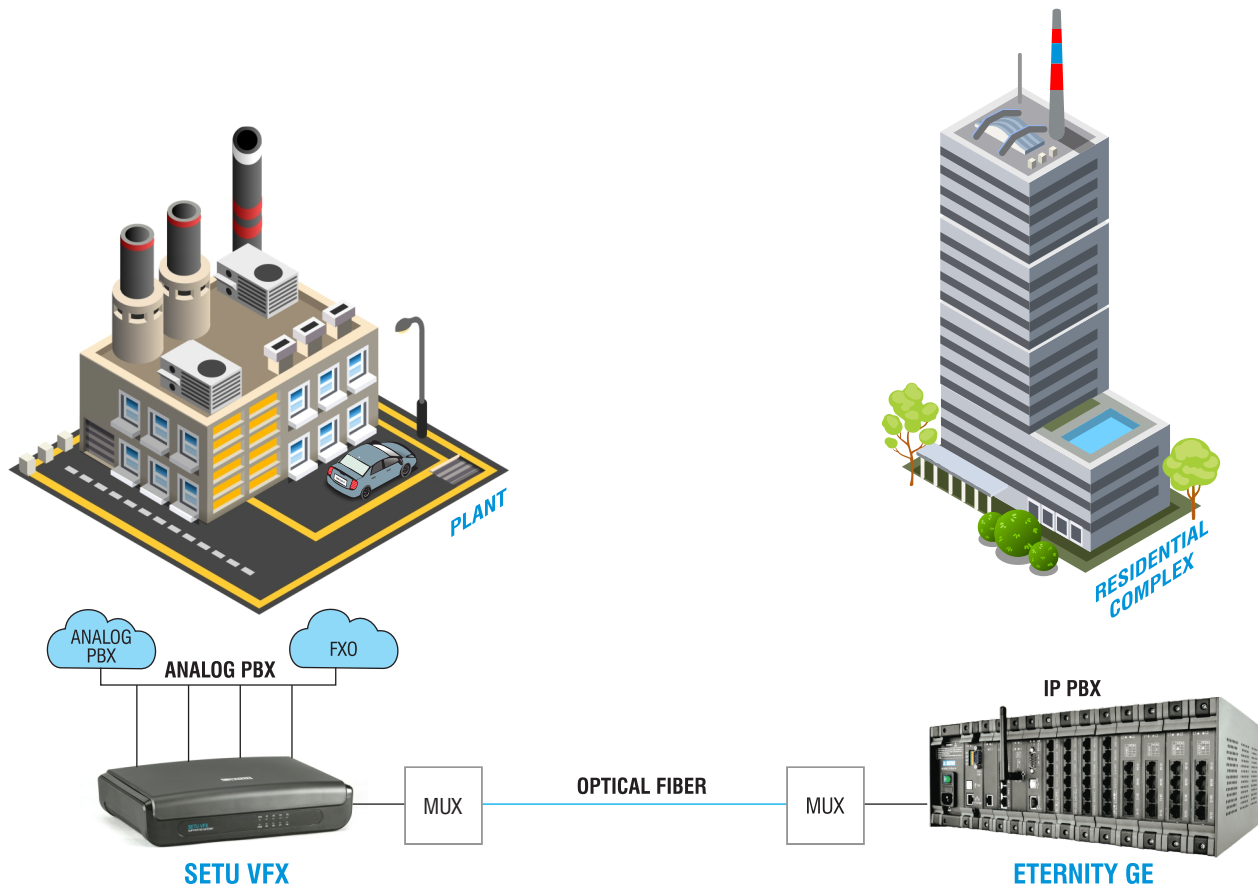
With the web based remote management feature, all systems can be centrally managed by the IT administrators from anywhere, through any device.

- **3-DIGIT DIALING BETWEEN PLANT AND RESIDENTIAL COMPLEX OVER IP TELEPHONY**

With IP telephony, Power Grid saves telecom costs over any call placed between plant and residential complex. IP telephony feature of Eternity GE provides simple 3-digit dialing, Call Transfer, Conference and other Call Management features for inter-branch communications. With corporate directory integration, all the contacts will be on the fingertips of the employees helping them make faster communication for operations and enhance productivity.



APPLICATION SCENARIO

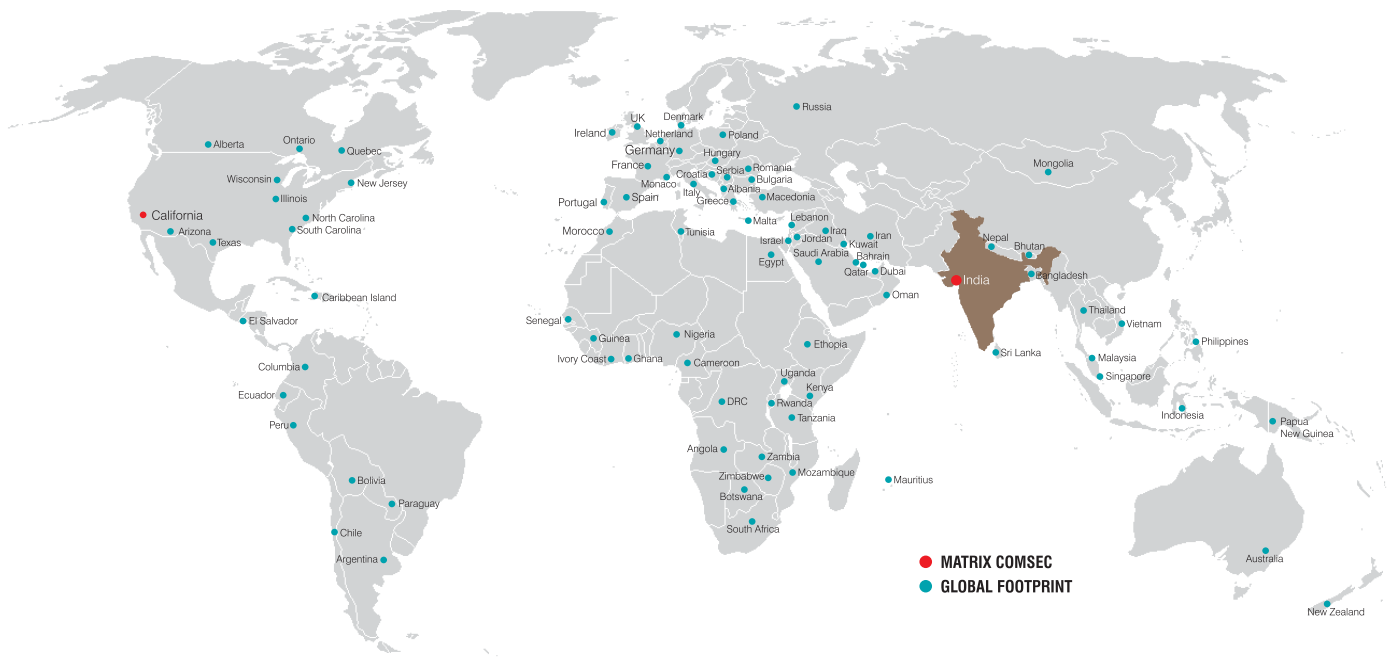


RESULTS

- Reduced 50% System Cost by Making Existing PBX Work with IP Enabled PBX And Gateways
- Reduced Day-to-Day Communication Cost Between Plant and Residency By 40%
- No Change in Existing Communication Infrastructure for Ease of Use and Quick Execution
- No Need to Remember Numbers with Corporate Directory Integration for Faster Communication
- Centralized Management of System and Remote Support with Web Based GUI Increasing the Reach of IT Department



MATRIX GLOBAL FOOTPRINT



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 foot-prints 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.

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