Elevator Emergency Call Systems

Trusted by 1000+ buildings in the U.S.

Carrier Grade

Certified by telecom operator

Seasoned Expert

20+years VoIP experience

Standard SIP

Compatible with all cloud pbx

Leverage the Legacy

All types of call boxes (FXS and FXO),analog/T1 transform

Redstone Systems

3 Major Problems Elevator Emergency Call System Facing

Aged Device

The old systems reached the life cycle and have to be upgraded. However, there are no innovative alternative solutions now.
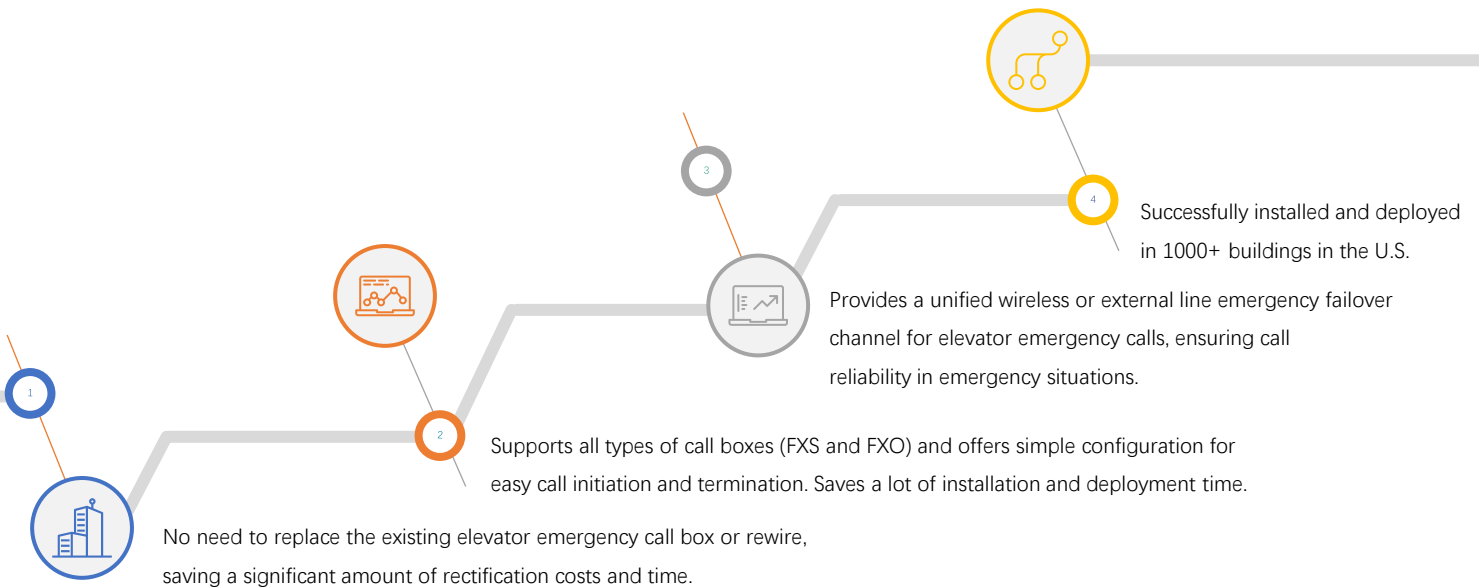
POTS Phase Out

The old system connected to the traditional T1, or analog outside line provided by the telecom operator, are becoming expensive and face the risk of withdrawing from the market in the near future.
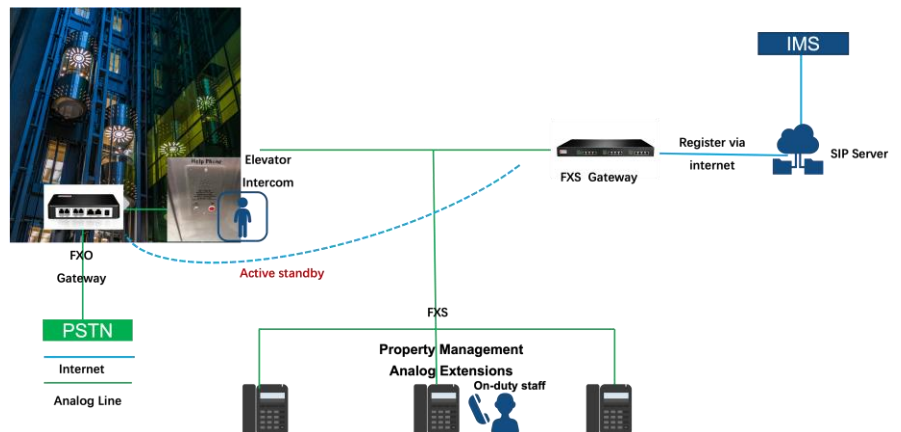
Function Missing

The traditional elevator emergency call system is unable to face the ever-changing market requirement. Rectification of the elevator emergency call system is very urgent.
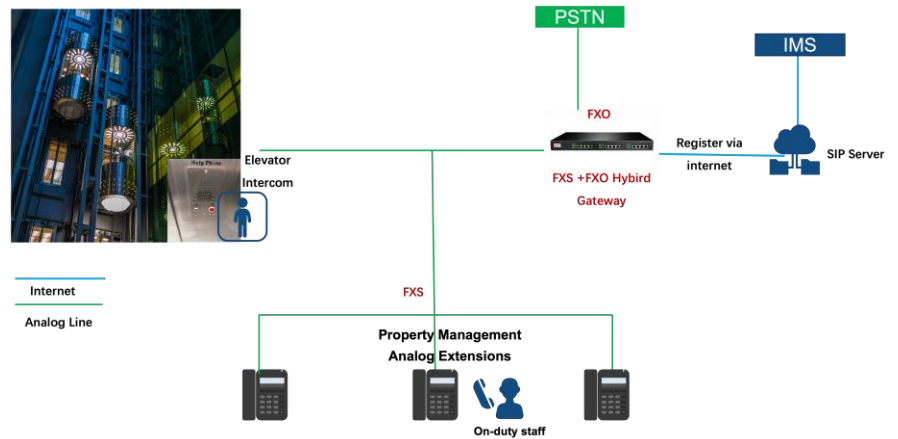
4 Major Advantages of Redstone's Proposal

1

2
No need to replace the existing elevator emergency call box or rewire, saving a significant amount of rectification costs and time.

3
Supports all types of call boxes (FXS and FXO) and offers simple configuration for easy call initiation and termination. Saves a lot of installation and deployment time.

Provides a unified wireless or external line emergency failover channel for elevator emergency calls, ensuring call reliability in emergency situations.

4
Successfully installed and deployed in 1000+ buildings in the U.S.

Solution A-Elevator Emergency Call System with FXS and FXO Gateway

1.The legacy analog extensions and elevator intercoms register to the FXS analog gateway via FXS port.

2.The FXS gateway registers to SP SIP server via the web admin portal,utilize the PBX features.

3.Deploy the FXS and FXO gateway in the LAN network.

4.Using active standby function of the FXS gateway, when the SIP server is not accessible, the calls will be sent to FXO gateway, for elevator intercom emergency call failover.
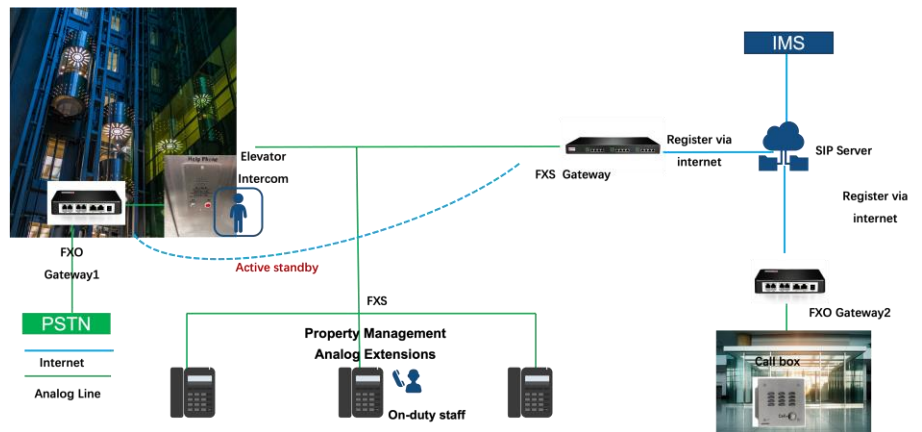
IMS

Elevator Intercom

FXO Gateway

Register via internet

FXS Gateway

SIP Server

Active standby

PSTN

Internet

Analog Line

FXS

Property Management Analog Extensions
On-duty staff

Solution B-Elevator Emergency Call System with FXS+FXO Hybrid Gateway

1.The legacy extensions and elevator intercoms register to the analog gateway via FXS Port.

2.The FXS+FXO hybrid gateway register to SIP server via the web admin portal, utilize the PBX features.

3. FXS registers to the SIP server through the Internet, and the FXO ports connect to PSTN.

4.Using the **failover function** of the gateway, when the SIP server is not accessible, the calls will be sent to the FXO ports.
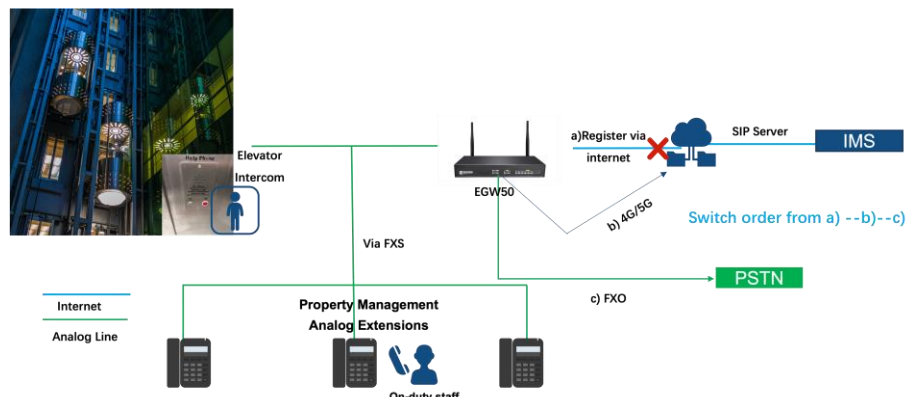

Solution C-Elevator Emergency Call System with Call Box

1.The legacy extensions and elevator intercoms register to the analog gateway via FXS Port.

2.The FXS gateway register to SIP server via the web admin portal, utilize the PBX features.

3.All FXS and FXO gateways in the LAN network.

4.The new FXO gateway 2 registers to the SIP server through the Internet, the call box connect to the FXO gateway 2.

5.Using the **active-standby** function of the FXO gateway 2, when the SIP server is not accessible, the calls will be sent to the FXO gateway 1 connected to PSTN.

Solution D-Elevator Emergency Call System with EGW50

1.Analog users connect to SIP server through EGW50.

2.**Obtain local survivability** from EGW50 by 4G/5G,when internet is down and disconnected from SIP server.

3.If all connect to SIP server is down, connect to PSTN by FXO for emergency failover.

4.Internal extension dialing and outbound calls will not be affected when SIP server disconnected.

Redstone Systems

RGW Series Analog Gateway

RGW4 Series

- 2-4 FXS/FXO
- VPN
- Full concurrent calls
- IPv4 & IPv6

RGW8 Series

- 4-8 FXS/FXO
- VPN
- Full concurrent calls
- IPv4 & IPv6

RGW48 Series

- 16-48 FXS/FXO
- Max 48 concurrent calls
- Dual-redundant Ethernet ports
- Dual AC/DC power supply (optional)

Digital Trunk Gateway

DGW100

- 1/2/4 T1/E1 ISDN PRI
- 1000 SIP Trunk
- Max 120 concurrent calls
- 4×10/100/1000 Mbps Ethernet ports
- Dual AC/DC power supply (optional)

Local Survivability Branch

EGW50

- 8 FXO, 4FXS/4FXO,6FXS/2FXO
- 50-200 SIP Users (License control)
- Built-in 4G/5G module

Compatible Brand

Redstone Product Compatible with Gateways,IP PBX Platforms,SBC,and SIP based Terminals

3CX	GRANDSTREAM	elastix	NEC	Asterisk	Mitel Powering connections
CISCO	KERIO	allworx	Panasonic	ribbon	Alcatel·Lucent Enterprise
audiocodes	FreeSWITCH	AVAYA	RingCentral	VIKING	Yealink

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