zenitel
because communication is critical

ELEVATORS: IP INTERCOM SOLUTIONS

■ What matters most when you push this button...?

When you find yourself in a situation where you need to push the alarm button in an elevator car, you will only think of one thing; I need to be heard and understood, right now. You want someone to register that you are in dire need of assistance and you want to receive instructions and feedback from that person loud and clear. To achieve this, you need crystal clear audio communication.

Learn more about Zenitel's IP intercom solutions for elevators.
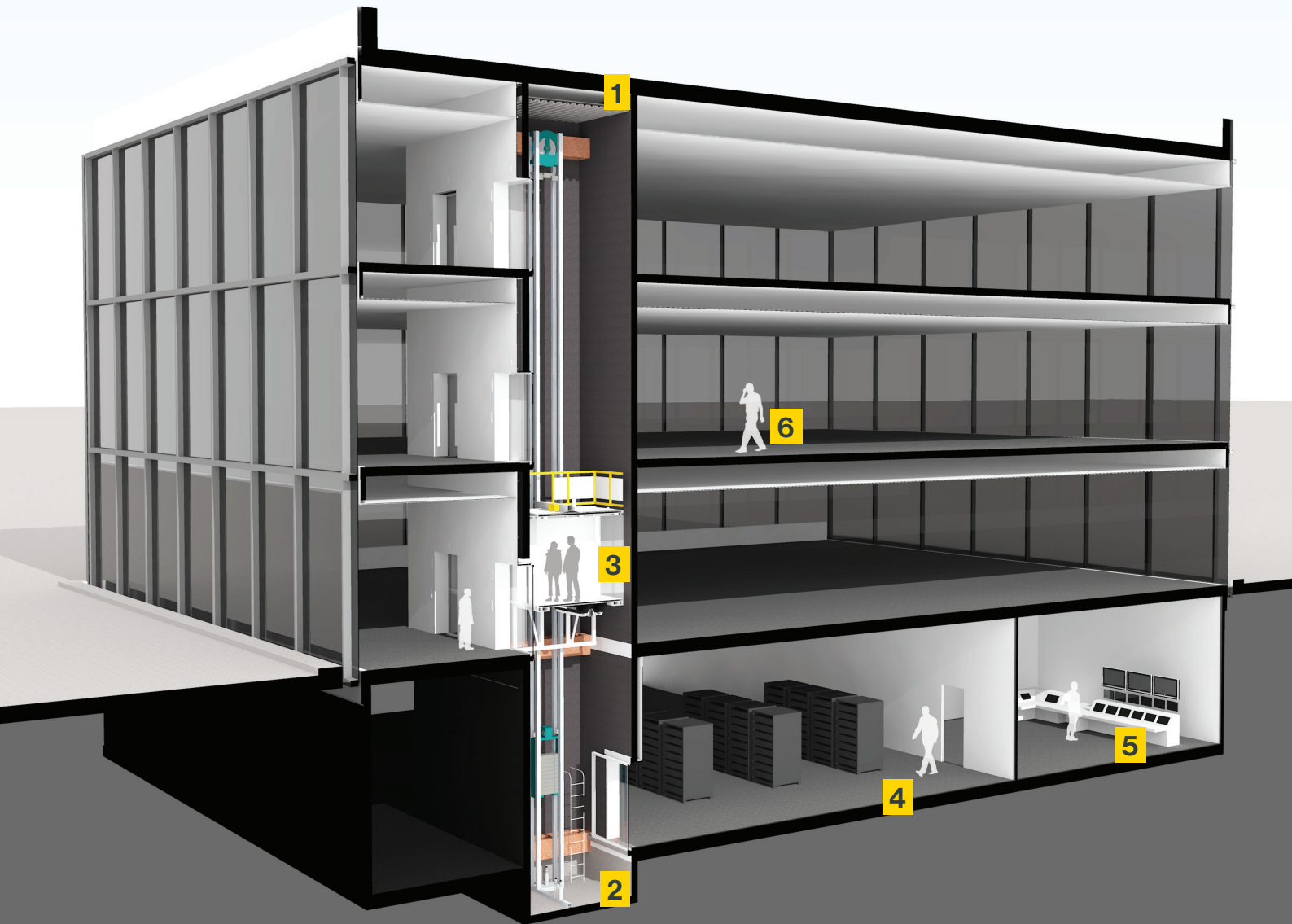
10W HD VOICE PoE SIP CCoIP®

Intelligible Audio, in an Integrated Solution

4 KEY QUALITIES

EN81 COMPLIANT SYSTEM

Our communication server continuously monitors the line, but also performs scheduled tone testing to check the health of the microphone and speaker. This is one of the many features that makes our communication system fully EN81 compliant.

AUDIO QUALITY

When trapped inside an elevator, you want to make sure you have clear communication. The ability to hear, be heard, and understood, every time is a priority. Zenitel has decades of engineering experience within critical communications to meet this essential need. As our ICX-AlphaCom supports the industry standard SIP-protocol, it is possible to forward calls that are received after normal office hours to an external call center.

Contact us today for more information, www.zenitel.com

1. & 2. Dedicated Intercom Devices

Our Turbine Station Series are specifically designed to provide intelligible hands-free audio to technicians working on the elevators. The units are all IP66 rated and are well suited for use in dusty and/or humid environments that are often subject to extreme temperature changes. Every Turbine station has a powerful acoustic noise reduction feature built-in that eliminates interfering background noise.

3. Elevator Car Intercom

Keep your existing elevator communication panel, buttons, microphone, and speakers while upgrading to Zenitel IP Intercom Technology. Our VoIP Interface kits come with 6 programmable IOs, a built-in relay, a Class-D 10W amplifier, and support for an induction loop.

4. Server Room

Our ICX-AlphaCom fits in a standard 19" rack. The servers support integration with other communication systems and the overall security system. In addition, they support a wide range of protocols for monitoring, tone testing, and error reporting.

5. Control Room

Choose a receiving unit that suits your needs and manages all incoming calls. Our ICX-AlphaCom system supports call queuing, call prioritizing, call forwarding, conferencing, and more. No call will ever go unanswered.

6. Portable Technology

Our ICX-AlphaCom platform supports SIP Trunking to portable handheld devices such as VoIP Clients on smartphones, GSM calls, and (IP) DECT. We provide a special integration with Radio (UHF, VHF, Digital and TETRA). Forward calls to patrolling guards or technical staff for faster response times.

SYSTEM INTEGRATION

OPC is a popular integration protocol for automation. The ICX-AlphaCom server easily integrates with external systems like Access Control, CCTV, fire alarm, and more. In addition, we offer an SDK for more specialized integrations and custom-made software applications. Finally, we support several protocols for system reporting and event handling on our ICX-AlphaCom platform, such as SNMP and SysLog.

NEW BUILDINGS AND RETROFIT

New Buildings or Retrofit, IP Network or Dedicated Cabling; no matter what infrastructure is available, we have the technology for it. We have developed a unique technology, named Flowire, that brings you power and Ethernet over a single pair cable over longer distances (up to 900m).

CASE STUDY - Retrofit

REFERENCE

BUILDING: Central Park Tower
LOCATION: Perth, Western Australia
FLOORS: 51
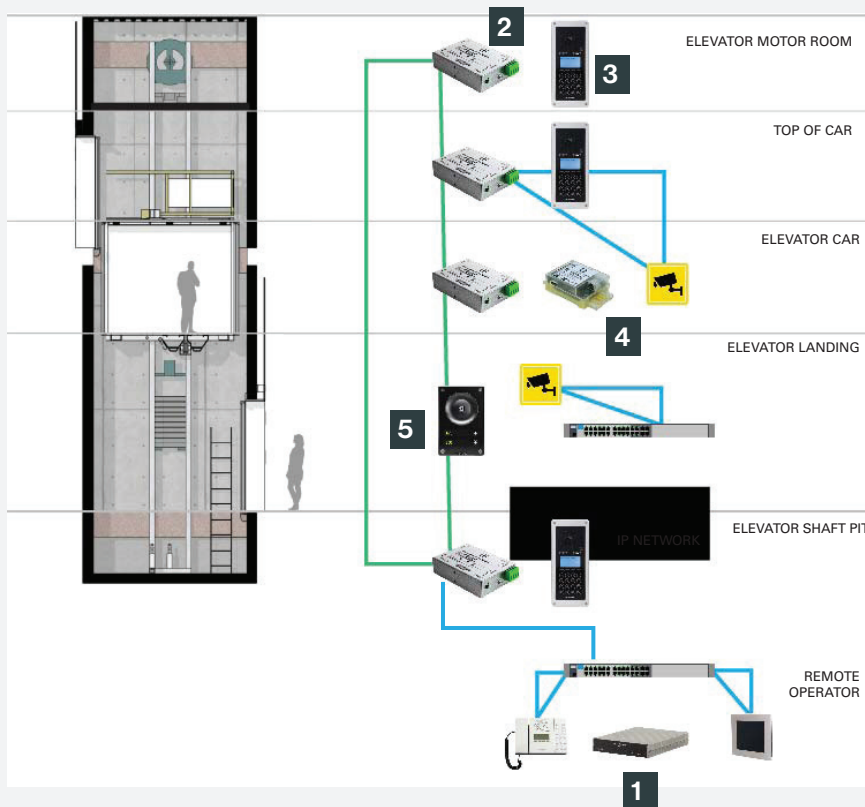**AREA:** 66,500m²
CAR PARKING: 1,025 bays

REQUIREMENTS:

Provide the building with a leading-edge lift communication system to suit the Schindler lift upgrade, while retaining backwards compatibility with the existing building and fire stair intercom system.

THE FLOWIRE CONVERTER
Flowire is Zenitel technology that allows you to use any type of 2-wire cable to provide IP and Power to our devices. Please contact your local sales office or visit our website to learn more.

THE SOLUTION

ELEVATOR MOTOR ROOM
TOP OF CAR
ELEVATOR CAR
ELEVATOR LANDING
ELEVATOR SHAFT PIT
REMOTE OPERATOR
IP NETWORK

1 The elevators are equipped with Zenitel IP Intercoms registered to an ICX-AlphaCom Server. The existing intercom system in the rest of the building was upgraded to ICX-AlphaCom so it can be linked to the elevator intercom system over IP.

2 Flowire technology, installed into racks in each of the 8 motor rooms, provided 2 wire power and data for the 23 elevator shafts, utilizing a cable pair in the trailing cable and down the entire length of the building to the elevator pits..

3 IP Flush Master stations are installed in each motor room, top of elevator car, elevator pit and in the goods elevator.

4 Each elevator car is equipped with a TKIS-2 VoIP Kit mounted behind the elevator panel and connected to our Flowire interface. Behind the same elevator panel is a mounted concealed IP camera connected to the second ethernet port on the IP Flush Master, mounted on top of the elevator car.

5 Turbine TCIS-5 units, along with concealed IP cameras, are mounted behind the elevator panel at each of the goods elevator landings to provide communication to the goods elevator and security office, with vision of the goods elevator landings presented to the goods elevator driver on a screen mounted in the car.

Why **Zenitel?**

Zenitel is well positioned to drive the future of intelligent critical-communication solutions. Through our portfolio of IP products & solutions, with built-in intelligence and a focus on cybersecurity, we provide organizations with superior, scalable security and flexibility. Zenitel is the proven, preferred choice for environments requiring crystal-clear audio to ensure the protection of human life, property, assets and the management of critical activities. With interoperability at all levels, we seamlessly integrate with access control, video management and security platforms.