



vocia®

NETWORKED PUBLIC ADDRESS AND VOICE EVACUATION

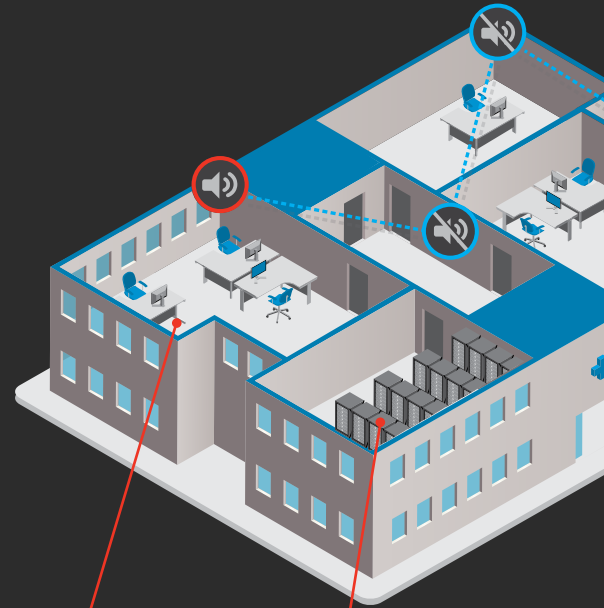
BIAMP®  
SYSTEMS

## **IT MAY BE THE FIRST AUDIO SYSTEM DESIGNED TO MAKE THINGS QUIETER.**

A quieter healthcare environment has countless benefits, including fewer patient-care days, shorter staff response times, and more efficient operations. Vocia<sup>®</sup> lets you pinpoint messages and announcements only where they're relevant — in a building, floor, or even a hallway. We call it “narrowcasting,” and it helps staff take in relevant information more effectively, while providing a quieter healing environment for patients. You can configure your system to automatically narrowcast messages, based on location and the priority of the message. Installing a networked public address system like Vocia is one of the easiest things you can do to make your facility function more smoothly — and more profitably.



# TYPICAL HOSPITAL INSTALLATIONS.



## “Narrowcasting vs. Broadcasting” ▶



Thanks to Vocolta's network-based architecture and zone-based configurations, announcements can be sent to precise locations, such as in the emergency department only. This ensures an overall quieter hospital and a more focused staff. The Automatic Noise Compensation (ANC-1) device automatically adjusts output levels to ensure messages are intelligible.

## Operators/Call Centers ▶



The hospital's telephone system is integrated with Vocolta's Message Server (MS-1) providing superior emergency and general paging across all buildings.

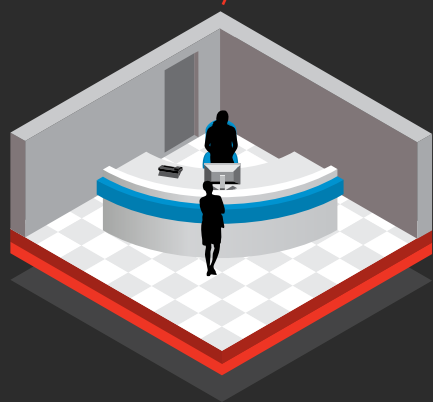
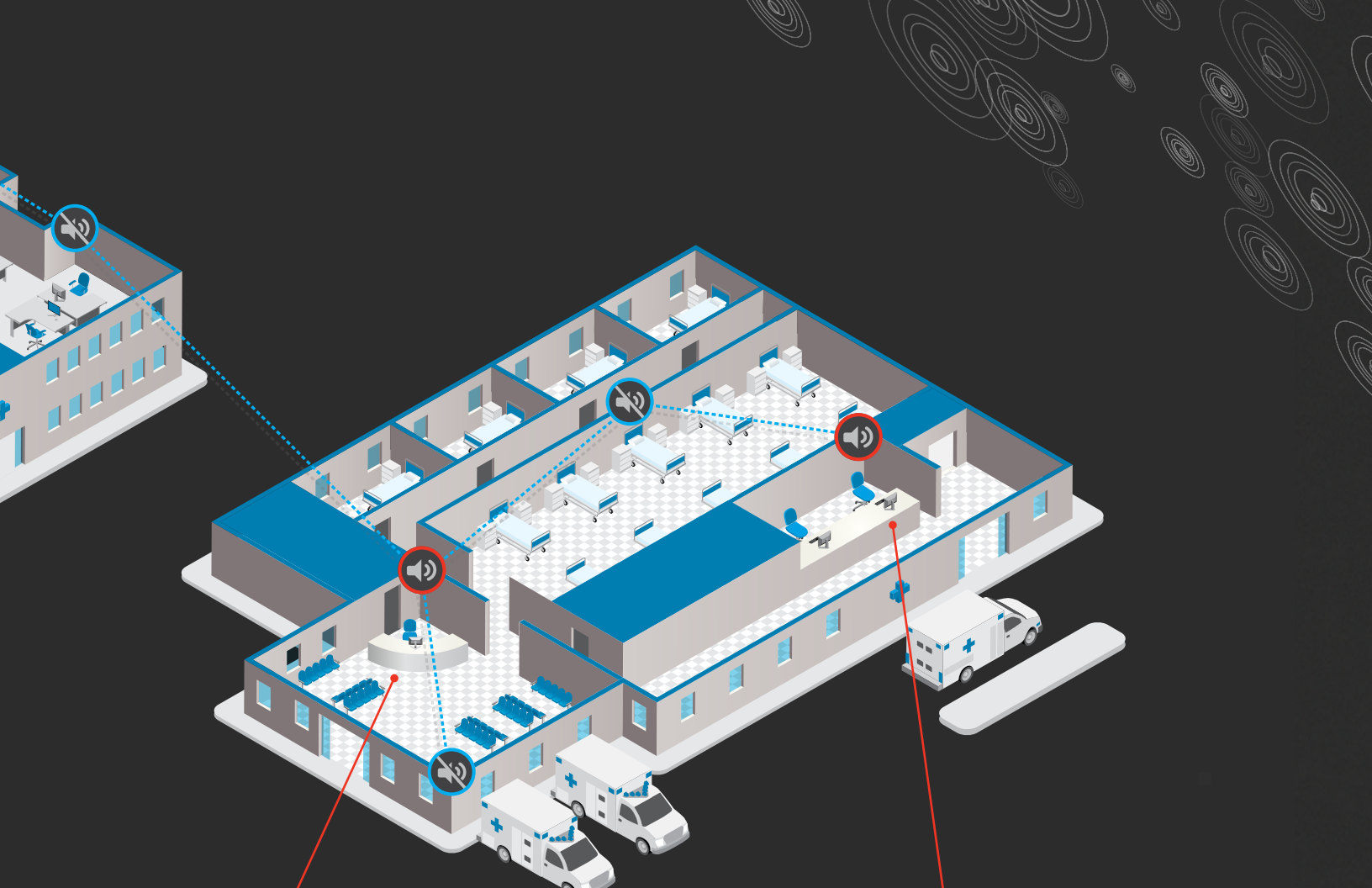
## Server Room ▶

With Vocolta's Message Server (MS-1) and Text-to-Speech (TTS-1) server, many communications can be completely automated. Plus the TTS-1 is interoperable with third-party systems via middleware or third party controllers.



## Facilities/IT Administration ▶

Vocolta's decentralized, network-based architecture allows customized audio solutions that are easily maintained and monitored on-site or remotely.

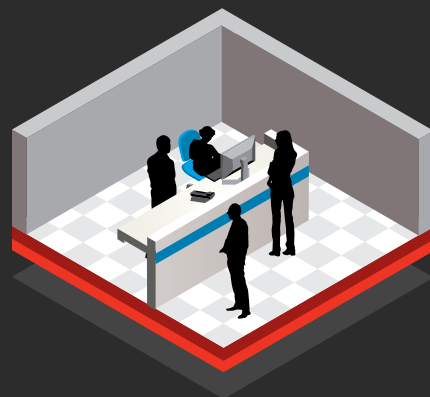


### ◀ Reception

Integrate existing telephone systems for paging to any zone, even in other buildings. Pre-recorded and scheduled messages using VoIP are stored on the Message Server (MS-1) and played in specified zones as needed.

### Information/Patient Registration ▶

Vocia Desk Stations (DS-4/DS-10) ensure clear communications across all zones or to a group of zones. Messages are prioritized and stacked to ensure emergency pages are heard first. Vocia endpoints are single-wire PoE, so additions and expansion is as easy as adding a network drop.





## **THIS IS WHAT CLARITY SOUNDS LIKE.**

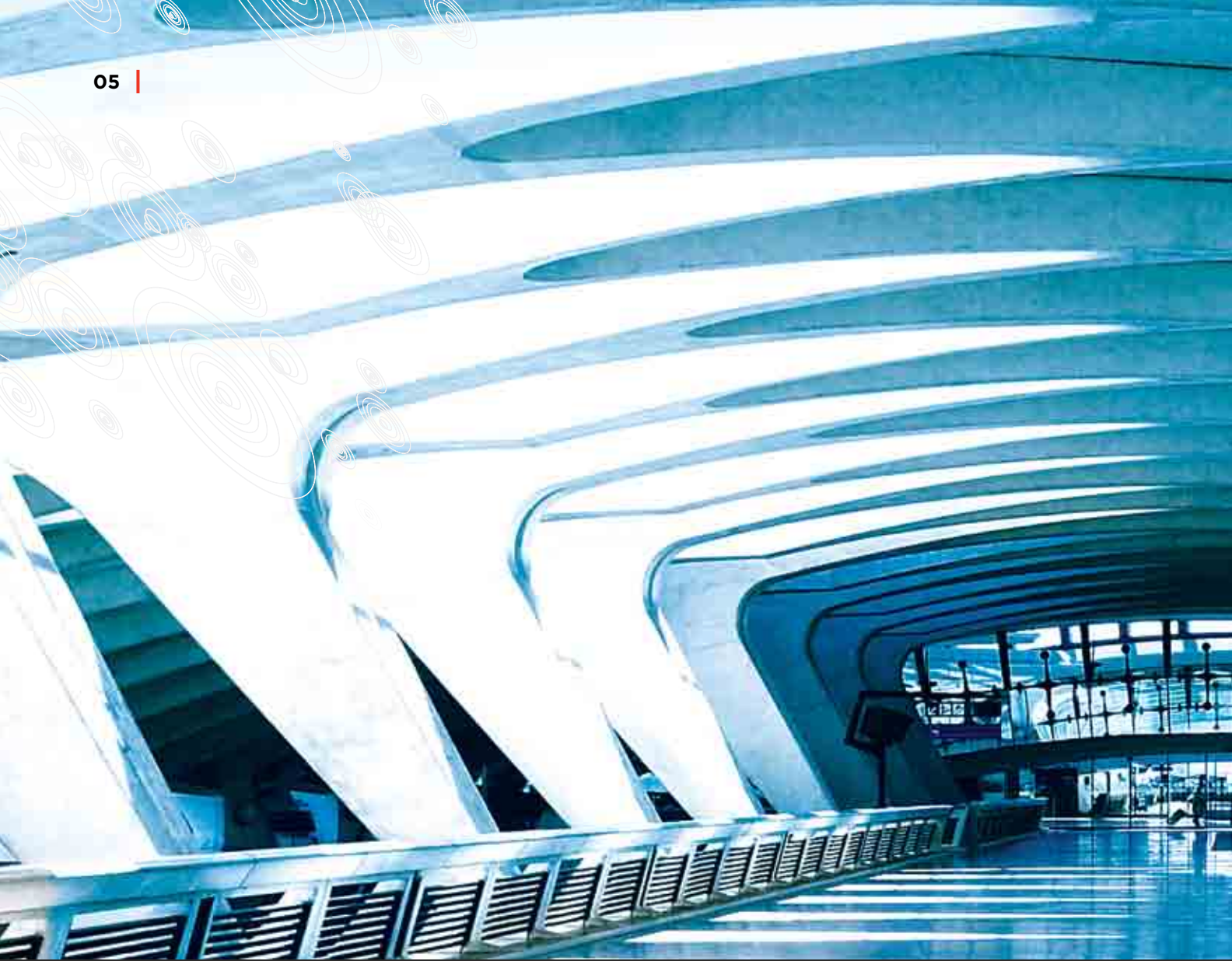
For over 35 years, Biamp has been a world leader in professional audio technology, with a reputation for innovation and precision sound. Now, with Vocia, we've brought our digital signal processing (DSP) expertise to the world of network public address and voice evacuation. Vocia's clarity and intelligibility aren't the only features that make this system so special — Vocia's also a technological leap forward. As a decentralized, network-based system, Vocia puts public address and voice evacuation firmly into the realm of IT, with unmatched flexibility and reliability. Vocia uses industry-standard protocols for data and voice so you can integrate your existing telephone system as an input source. All said, Vocia won't just improve your communications. It will also improve your operations.



## **RELIABILITY. SCALABILITY. EASE OF USE.**

Vocia offers a level of reliability that's simply unprecedented. Its decentralized, networked-based architecture means there's no single point of system failure, and redundancies and diagnostics are built-in to ensure the system operates flawlessly. No wonder Vocia meets or exceeds the world's most stringent standards for voice evacuation systems (EN 54-16). Vocia's powerful software provides compatibility with third-party systems, for ease of use and exceptional networked scalability. Since Vocia is an Ethernet-based system, there's no need for special cabling or "home-run" wiring. Endpoints can be installed anywhere on the system, creating a self-healing, self-monitoring web of "smart" devices. The result is a substantially lower total cost of ownership, plus reduced installation time and effort. That's something that should sound good to everyone.





## **SOFTWARE THAT PUTS YOU IN CONTROL.**

The centerpiece of Vocia's software is a powerful dashboard that allows quick and easy access to diagnostics, system health information, status, usage, audio levels, and more. System alerts are displayed on the dashboard, and can be automatically emailed, so you're never out of touch. Plus, the entire interface and navigation is based on the familiar Windows® platform, so it's intuitive and easy to navigate. Vocia also has a powerful set of configuration tools — zones and worlds





are created entirely with the software — logically, not physically. That means that moves and changes can be made easily, without having to relocate hardware. You can also add and configure new components in the offline mode, and install new devices when you're ready. The system will automatically recognize new hardware as it's added, saving countless man-hours and hassle.



## **WE'RE GREAT LISTENERS.**

### **Customer support**

We know that installing, configuring, and maintaining a commercial sound system can be challenging. That's why our worldwide team of application engineers is available to help with system design, programming, trouble-shooting and more. They'll walk you through a solution, step-by-step, no matter where you're located.

### **Training**

In addition to unparalleled support, we also offer comprehensive, multi-day certification training at our corporate headquarters near Portland, Oregon and in select cities around the world. Our goal is to make sure you get the most out of your Biamp system. To find out more about courses, including schedules, visit <http://biamp.com/training>.

## THE VOCIA FAMILY OF PRODUCTS.

The family of Vocia products includes a variety of components to create a system specific to the needs of any facility, while providing easy expansion and extended functionality.

### AUDIO INPUTS

DS-4	Desktop networked paging station with embedded DSP and on-board memory. Can store four user-configurable codes.
DS-10	Desktop networked paging station with embedded DSP and on-board memory. Can store 999 user-configurable codes.
WS-4, EWS-4	Wall-mounted networked paging station with embedded DSP and on-board memory. Can store four user-configurable codes.
WS-10, EWS-10	Wall-mounted networked paging station with embedded DSP and on-board memory. Can store 999 user-configurable codes.
VI-6	Networked audio input expansion device, adds six channels of audio.
VAM-1	Independent microphone assembly that functions as a slave device to non-emergency paging stations and VI-6 devices.
VPSI-1	Allows third party microphones and LED indicators to interface as slave devices to the paging stations and VI-6 devices.

### SPECIALTY MODULES

AM-600, AM-600c	Amplifier module with standards-compliant ground fault detection for VA-8600/VA-8600c.
IM-16	Module for LSI-16 providing additional 16 control inputs.
PARM-1	Module allows for control of external devices during paging for VA-8600/VA-8600c.
VFOM-1	Module offers selectable 7:1 or dual 3:1 channel failover for VA-8600/VA-8600c.

### AUDIO OUTPUTS

VA-2060, VA-2060e	Networked, CobraNet <sup>®</sup> enabled, two-channel amplifiers; 60 Watts RMS per channel.
VA-4030, VA-4030e	Networked, CobraNet enabled, four-channel amplifiers; 30 Watts RMS per channel.
VA-8600, VA-8600c	Networked, CobraNet enabled, multi-channel amplifiers.
VO-4, VO-4e	Networked audio output expansion device, adds four line-level output channels.
ELD-1	Networked safety device for line monitoring of speaker runs.

### SERVERS

MS-1	Networked message server that supports multiple paging functions.
TTS-1, TTS-1nc	Networked text-to-speech server that supports the creation of browser-based courtesy announcements.

### CONTROLLERS

ANC-1	Allows automatic output level adjustments in response to changing ambient noise levels.
GPIO-1	Provides 16 general purpose inputs and outputs to control various aspects of a Vocia system.
LSI-16, LSI-16e	Emergency interface between Vocia system and emergency/fire alarm systems.
CI-1	Facilitates necessary connections to the LSI-16/LSI-16e to meet EN 54-16 standards.
WR-1	Networked wall remote designed to control background audio in music zones.



vocia<sup>®</sup>



## A SOUND HISTORY.

Since our founding in 1976, Biamp has been the undisputed leader in high-performance audio systems. Our unwavering focus on sound quality and technology have led to hundreds of awards and accolades. Like all Biamp DSP products, Vocia is manufactured in our own ISO 9001:2008-certified facility and comes with a complete 5-year warranty. Not that there's much chance you'll need to use it.

## WE WANT TO HEAR FROM YOU.

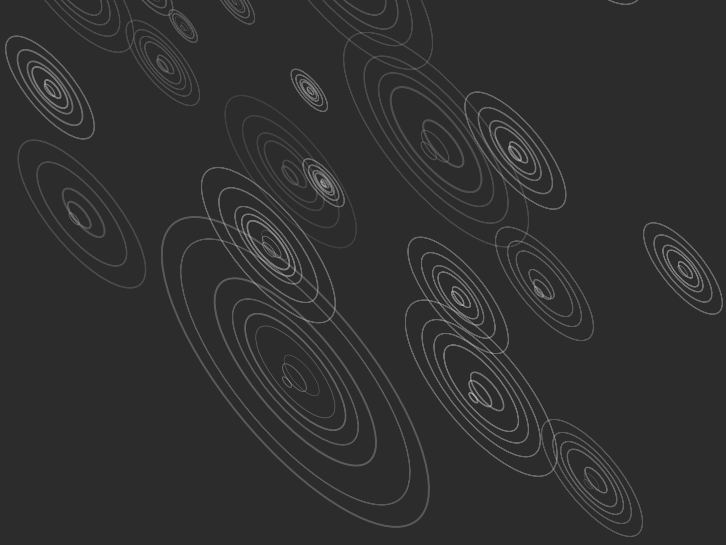
Have questions about Vocia? Call us today and get answers.

T: 1.800.826.1457

T: +1 503.641.7287

W: <http://biamp.com>

E: [biampinfo@biamp.com](mailto:biampinfo@biamp.com)



## CONTACT US

**A:** 9300 S.W. Gemini Drive  
Beaverton, OR 97008 USA

**T:** 1.800.826.1457

**T:** +1 503.641.7287

**E:** [biampinfo@biamp.com](mailto:biampinfo@biamp.com)

**W:** <http://biamp.com>

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