



ROLLING STOCK
Transportation Solutions

**Deliver clear communication
on the move**

It's all about the people you protect

Passion for keeping your passengers safe

Zenitel's reliable, robust and scalable communication solutions guide and protect millions of travelers on their rail journeys every day.

With a wide range of Public Address and Emergency Help Points for Rolling stock as well as Rail Infrastructure, Zenitel is truly the one-stop shop for your audio communication needs. We offer tailored packages and turnkey solutions to meet your specific requirements.



Hear and be heard

Zenitel offers rolling stock audio communication solutions that provide exceptional sound quality to both passengers and personnel, regardless of the acoustic conditions. Our audio solutions are designed to be reliable and responsive in emergency situations, so you can trust us to provide quick and effective communication when it matters most.

Tailored for your needs

Zenitel collaborates closely with partners to create customized solutions that meet specific rolling stock needs and industry challenges. Our award-winning technology allows us to design bespoke systems that address all requirements and deliver exceptional results.

We are trusted around the globe

100+

Trains secured

1,100+

Train cars informed

1,000,000+

Rail passengers informed daily

Zenitel helps you communicate when it matters most

Custom help points that fit your exact needs

Customized help points that precisely match your requirements. Starting with our award-winning Turbine intercoms, we tailor the help points to fit the specific needs of train manufacturers and operators. We customize everything from localization and custom indicators to form factor and specialized mounting screws. Our rolling solutions are tested to meet rail standards, including EN50155, EN45545, and EN61373.

Cut through the noise with Zenitel solutions

Zenitel's communication solutions provide exceptional audio quality that cuts through even the most challenging acoustic environments, enhancing the passenger experience. With our Active Noise Cancellation and Automatic Volume Adjustment technologies, you can be heard clearly in noisy environments. Our unique Automatic Volume Control and Ambient Noise Sensor technologies allow for dynamic adjustment of passenger help point and public address announcement volume levels.

Seamlessly integrate. Less complexity, more control

Simplify your system and gain more control. At Zenitel, we have a proven track record of effortless integration with other systems, including PIS, TCMS, CCTV, and more. Our solutions fully support open protocols like SIP, ONVIF, and SNMP, which significantly reduce integration costs and complexities. With integration to wayside iPBX, control room operators can easily make announcements and manage calls on trains. Our solutions can also be easily integrated with legacy systems such as UIC and mobile radio systems

Unified communication solution

Together with our trusted partners, Zenitel deliver your entire audio communication needs for rolling stock. We deliver out-of-the-box integration with unified PA, help points, and hearing aid solutions. You can enhance the mobility of your train personnel by adding radio communication to the audio systems with our award winning audio integration kits, allowing them to make announcements on the move.



Zenitel Rolling Stock solutions in action

Zenitel is your travel companion



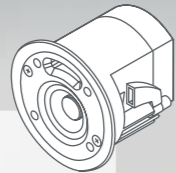
Public Address Solutions

Provide your passengers with operational and critical information via both live and automated formats, in a timely manner.



Emergency Communication Solutions

Enhance rail safety by providing quick and efficient emergency management for your staff.



Customized IP Speakers

Bespoke IP speaker solutions to suit various areas such as driver cabins, restaurant compartments, and toilet areas. Our audio integration kit that can convert existing 100V line speakers into IP assets.



100V Loudspeakers

Get all the benefits of exceptional audio performance and easy installation with a wide range of PA Loudspeakers from our partners.



Passenger Help Points

Passenger help points ensure crystal clear audio. Zenitel offers customizable options, delivering tailored solutions that meet EN50155 requirements.



Radio VoIP/SIP Integration

Our audio integration kits deliver out-of-the-box integration with analog radios, enabling rail personnel to make announcements on the move.



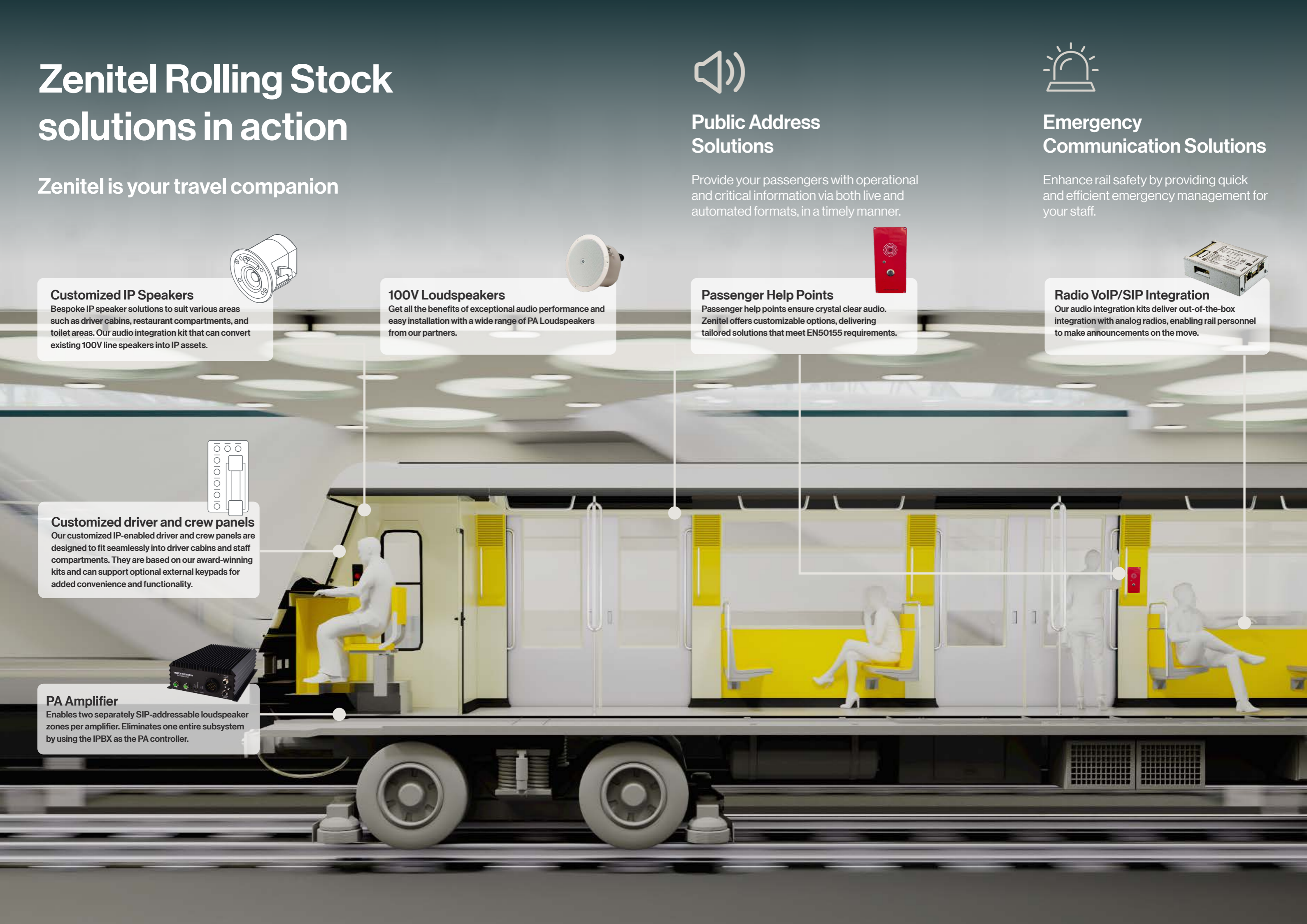
Customized driver and crew panels

Our customized IP-enabled driver and crew panels are designed to fit seamlessly into driver cabins and staff compartments. They are based on our award-winning kits and can support optional external keypads for added convenience and functionality.



PA Amplifier

Enables two separately SIP-addressable loudspeaker zones per amplifier. Eliminates one entire subsystem by using the IPBX as the PA controller.



Public Address Solutions

Keep your rail passengers informed in both operational and emergency situations



Future-proof and reliable solutions	Unparalleled voice quality, even in dynamic, noisy environments	Full flexibility with integrations
<p>Zenitel's Public Address systems offer support for the SIP protocol, which allows for flexibility in choosing a communication platform and reduces the amount of hardware required, eliminating the need for a dedicated PA controller.</p> <p>Our Public Address amplifier has been extensively tested and proven to work seamlessly with various iPABX systems worldwide.</p>	<p>Zenitel's Public Address system provides exceptional audio quality for both announcements and background music.</p> <p>Our unique hardware and software solution includes dynamic adjustment of output volume levels for public address announcements, ensuring clear and consistent audio quality throughout a broadcast, regardless of ambient noise levels.</p>	<p>Zenitel's Public Address system meets the UIC558/568 compliance, allowing easy integration with legacy systems.</p> <p>With a dependable train-to-wayside communication, our Public Address amplifier can directly connect with a wayside iPABX system, making it a suitable option for driverless trains.</p>

Recommended products

TAILORED FOR YOUR NEEDS

- Suitable for light rail (24VDC) and metro (110VDC)

INDUSTRIAL DESIGN

- Embedded cooling
- Fanless design for better reliability

REDUNDANCY BY DESIGN

- Dual Ethernet
- Dual Amplifier
- IP and Analog switchover

FULL COMPLIANCE TO RAIL NORMS

- EN 45545
- EN 50155
- EN 50121-3-2
- EN 61373

AUDIO EXCELLENCE

- HD Voice Quality
- Up to 120W audio output

YOUR INTEGRATION NEEDS ARE TAKEN CARE OF

- UIC bus for legacy integration
- SIP integration to 3rd party iPABX
- Analog line level

Emergency Communication Solutions

Enhance your rolling stock safety with reliable, clear and intelligent communication in emergency situations



Tailored products to meet project-specific needs	Perfect voice quality, even in challenging, noisy situations	Full flexibility with integrations
<p>Using our award-winning Turbine intercom series as a basis, Zenitel together with partners, design custom passenger help points tailored to meet your specific requirements.</p> <p>Zenitel's technology partners can deliver on your localization needs, custom front panel, hardware customization and more.</p>	<p>Our experience in deploying help points on highways and airport runways has allowed us to perfect our dynamic noise suppression technology, ensuring exceptional audio performance in any conditions.</p> <p>With Zenitel's unique Automatic Volume Control feature, your passenger help points will adjust the output volume levels dynamically depending on the situation.</p>	<p>Our IP audio kits seamlessly integrate with your existing analog technology onboard the train.</p> <p>By adding radio communication to the IPBX, you will allow your staff to make announcements on the move enhancing their mobility.</p>

Recommended products

BESPOKE HELP POINTS THAT MEET YOUR NEEDS

- Wide range of audio IP kits can be used for building customized passenger help points to fit your exact requirements

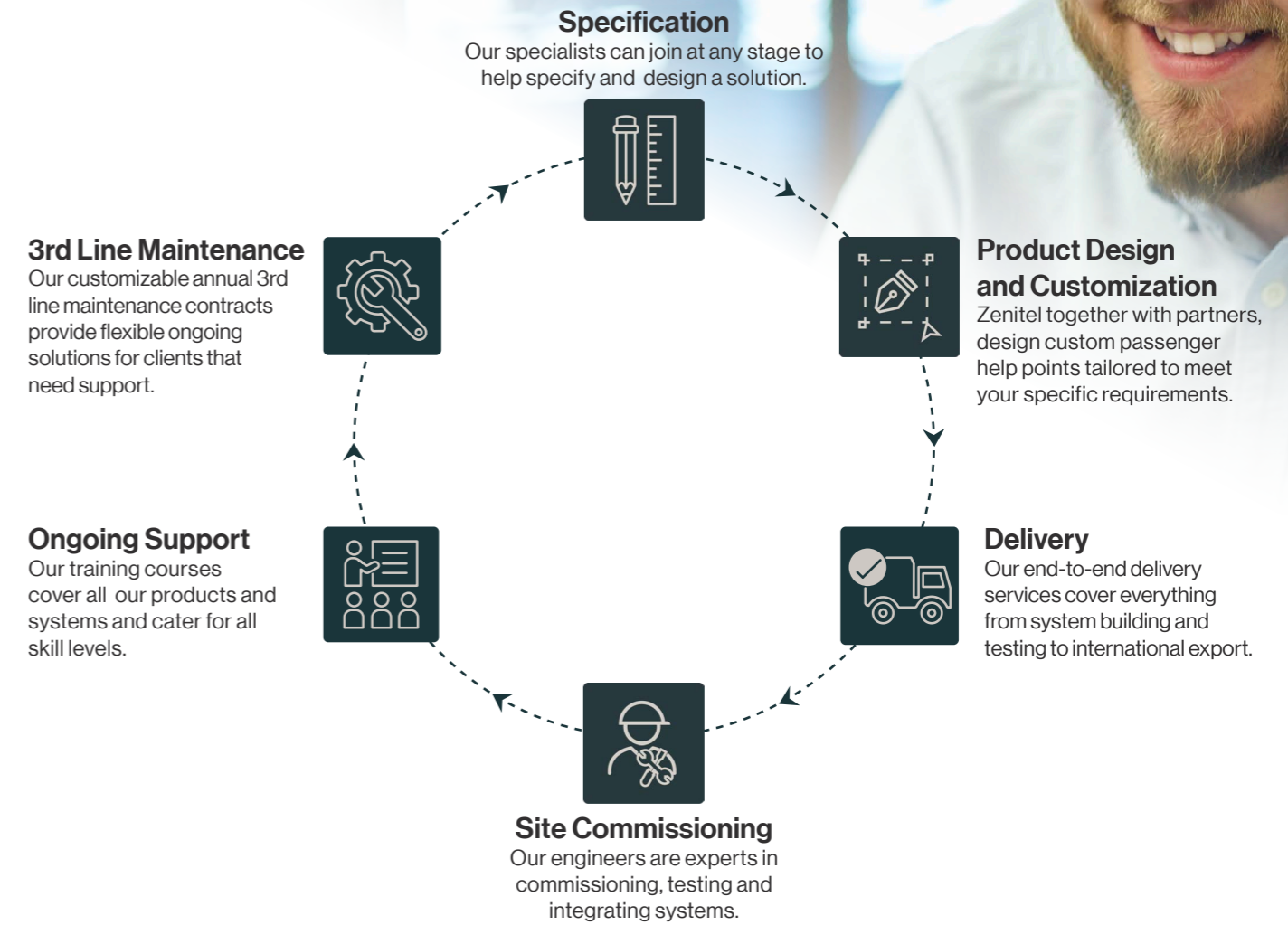
BUILDING BLOCKS FOR YOUR TAILORED PRODUCTS

- The IP audio kit features an extremely compact form factor as space is at a premium within Rolling Stock
- Comes with full of advanced audio features such as Open Duplex, background Noise Cancellation and Automatic Gain Control making it a perfect choice for tailoring your driver panel
- Can be integrated into legacy radio system with two-way audio via line level input and output



Supporting you all the way

When it comes to transportation solutions, Zenitel's product reliability, range and quality are unparalleled. But what truly sets us apart from the competition is the comprehensive range of services and support that we offer.



Begin your journey with us

Get in touch with our team of experts:
zenitel.com

Peace of mind with proven and trusted communication solutions

With over 125 years of experience and thousands of successful rollouts of transportation solutions, Zenitel has a proven track record of ensuring the safety, security, and well-being of both the staff and the passengers.

Ensure the safety and security of your travelers, employees, assets, and critical infrastructure with Zenitel!

Selected References

Aarhus Light Rail, Denmark

Dependable and dynamic Help Point Communication solution for use in the event of an emergency.

DB/Colway

Full audio experience to onboard passengers with superior audio quality for new fleets of long-distance trains.

Public Address & Alarm products availability in the Americas market is pending.