



DS-205 Issue 01A

XPAN-100 – PAGA EXPANSION INTERFACE

Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries. Our products are very robust and designed to comply with international standards.

X PAN is a totally unique initiative and unavailable from any vendor in the PAGA market. X PAN is all about empowering the client to expand / modify their PAGA systems without the constraints imposed by single source vendors.

Please do not hesitate to contact us for further information...

Expansion of existing site PAGA systems, lower cost of ownership

Access to new technology i.e. remote diagnostics, addressable field devices, networking

The XPAN-100 package enables the operator to expand existing PAGA facilities without being tied to utilising the existing vendor hardware and software. This releases the client to take advantage of competitive pricing and modern technology from Ziztel.

The XPAN-100 is a complete solution which enables, for example, simple extension of existing loudspeaker circuits through to complex, land-based multi-sector, integrated packages. For example it is not an uncommon requirement to develop sites on a “phased” basis over several years. Once a vendor is selected for phase 1, the client is usually obligated to use the same PAGA vendor on subsequent phases of the site. The requirements dictate that there is a PAGA capability site wide from global access panel positions. The XPAN-100 establishes galvanically isolated interfaces to strategic access positions on the existing package which enables transportation of both voice and system controls on a bidirectional basis. For example Abandon/Evacuate alarm tone, energy speech and routine zoned speech to/from the new phase to existing phases.

The XPAN-100 Solution is non-invasive and hence requires no knowledge of propriety or confidential, intellectual property from the existing PAGA vendor. The primary design considerations are as follows:

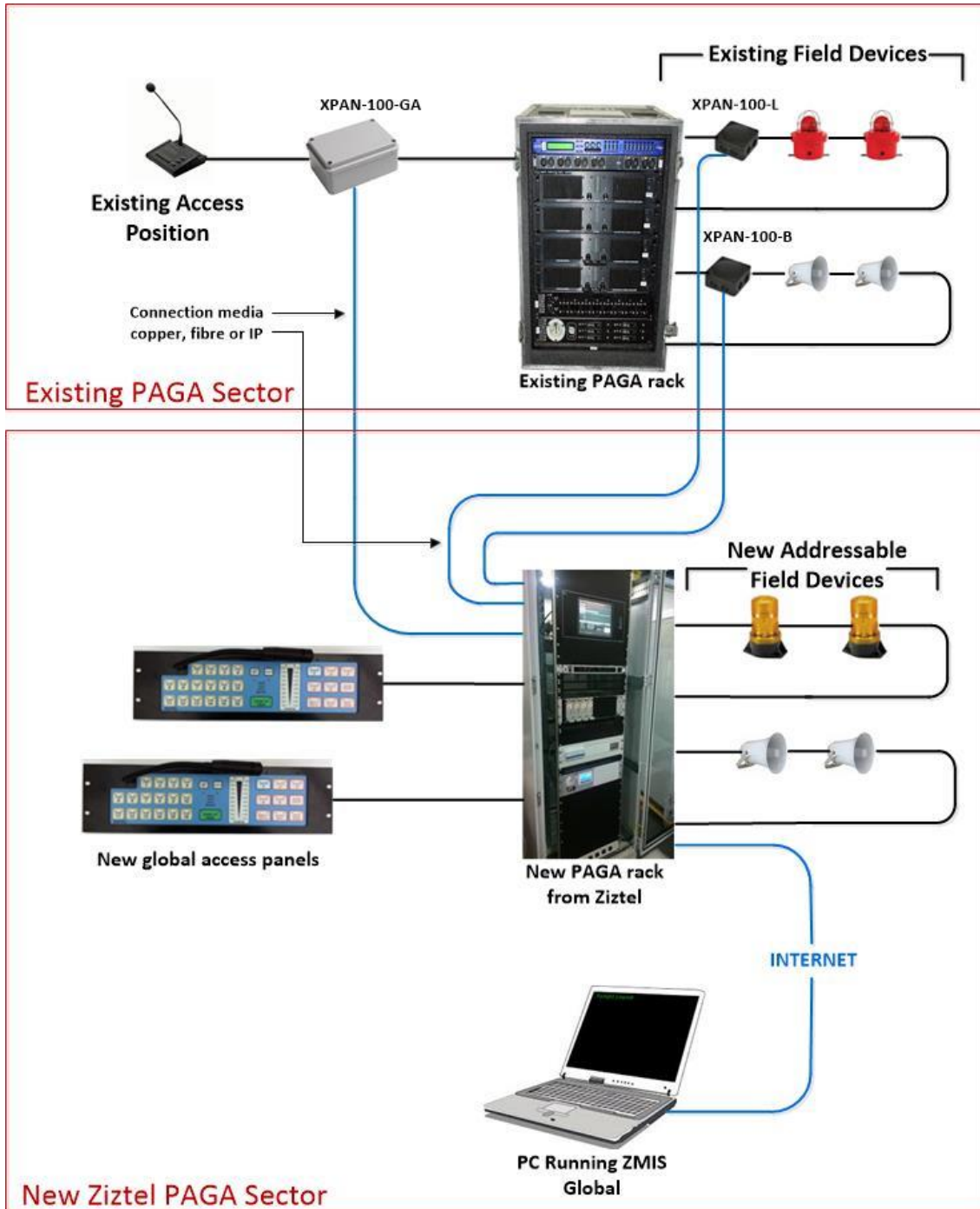
- *The integration must be ‘safe’.*
- *The system must be supportable.*
- *There shall be minimal interfaces to the two packages.*
- *There shall be minimal “downtime” impact to the existing PAGA.*
- *The XPAN-100 must be capable of interfacing to a range of PAGA equipment/system vendors supplying the market.*

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Depending on the level of the integration required dictates the scope of the new PAGA interfacing capability. For large projects, a site visit is the starting point in the plan and during this visit, the features required of the integration can be aligned with the present PAGA execution. Usually the interface point will be at the global or master PAGA access position. For simpler extensions to existing systems, the interface can be limited to accessing the established loudspeaker and/or flashing beacon circuits. In both cases non-invasive isolated techniques are employed to eliminate risk and ensure safety of the overall solution.

Typical X - PAN execution:-



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