

CRITICAL COMMUNICATIONS

Voice, data, and radio where commercial coverage doesn't reach.

Coverage of galleries, tunnels under active construction, and process plants with networks that support voice, data, paging, and radio under a single architecture. Switching between technologies, operational priority, and a gateway to corporate telephony.

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At SATIC we integrate the layers that critical projects rarely deliver together. Twenty years deploying technology in sectors where availability and security leave no room to improvise. No shortcuts, no subcontracting what's critical, and a single point of contact.

This catalog lays out how we approach this solution: what gets deployed, how we deliver it, and where it adds real value. If something doesn't fit your case, we adapt it.

What gets deployed in a critical communication setup.

01

Multi-site trunked digital radio

Multi-site trunked digital radio Professional DMR standard. Roaming between cells, group call, priority call, optional geolocation.

02

Radio-telephony gateways

Radio-telephony gateways Two-way calls between radio terminals and external numbers. Operation coordinated with the corporate PBX.

03

Corporate IP telephony

Corporate IP telephony SIP PBX, CRM integration, local survivability at remote sites.

04

Zoned public address and paging

Zoned public address and paging Zone announcements, emergency priority, integration with evacuation systems.

05

Optical and radio backhaul

Optical and radio backhaul Our own backbone fiber, long-range wireless links where the line doesn't reach.

06

Robust wireless connectivity

Robust wireless connectivity Industrial Wi-Fi, long-range wireless connectivity, automatic switching.

How we deploy communication that holds up.

No shortcuts in coverage or operation. Each phase with a clear deliverable.



Where this layer solves the problem.

Typical scenarios where critical communication stops being an extra and becomes infrastructure.

01

Full coverage in a multi-level gallery

Underground communication with trunked repeaters, operational priority for evacuation, and a gateway to surface telephony.

02

Communication during construction

Work face, crews, offices, and the site management team talking to each other from day one. Provisional architecture reused in operation.

03

Shift and emergency communication

Digital radio, zoned paging, and integration with public address. Zone announcements, emergency priority, call traceability.

04

Communication across a campus or headquarters

Corporate IP telephony with local survivability, integration with CRM and access control. No queues at critical times.

05 · NEXT STEP

Does your coverage reach where it needs to?

Tell us about your plant, gallery, or tunnel. We design a coverage architecture tailored to your operation.

06 · CONTACT

Let's talk.

ADDRESS

C/ Luis Suárez Ximielga
10, Bajo

ES33010 — Colloto, Oviedo
(Asturias)

PHONE

+34 985 119 014

Monday to Friday · 9:00 — 18:00

EMAIL

info@satic.es

Reply within 24 business hours

WEB

satic.es/en/soluciones/comunicaciones-criticas

Solution details online

Where the catalog falls short, we build it.