

TECHNOLOGY INTEGRATION FOR CRITICAL ENVIRONMENTS

Portfolio

Twenty years deploying technology where availability and security leave no room to improvise. Mines, tunnels, civil works, industrial plants, ports, government, and education.

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Twenty years deploying **technology that sustains operations** donde no hay segundo intento.

SATIC is an Asturias-based technology-integration company specializing in critical environments. We design, deploy, and operate communications, security, and monitoring in mines, tunnels, civil works, and industrial plants. When the market's catalog falls short, we build it ourselves.

First, so that everyone operates safely. Then, so that the business never stops. And for that we integrate the layers that critical projects rarely deliver together: connectivity, critical communications, identification, electronic security, environmental monitoring, and supervision, under a single responsibility and a single point of contact.

We're not your typical IT company.

Most IT companies run offices. We run kilometers of galleries deep underground, tunnels under construction, plants that never stop, and infrastructure where the network, voice, and video have to work at all times. That difference shapes how we design, what materials we use, and whom we send out to the field.

The solutions the market sells are designed for stable environments. Underground, at a tunnel portal, in a plant with rotating shifts, or on an open dock, that logic breaks down. Humidity, dust, vibration, distance, lack of coverage, extremely short installation windows: every variable forces you to rethink the solution from scratch.

Twenty years in demanding environments. No shortcuts, no subcontracting what's critical.

That's why we integrate the layers that critical projects rarely deliver together — connectivity, critical communications, identification, electronic security, supervision, and environmental monitoring — under a single responsibility and a single point of contact.

When what you need doesn't exist on the market, we build it. When the manufacturer's catalog doesn't reach the site, we adapt it. When the regulation changes, we update it. Your system keeps working because someone makes sure it keeps working.

Where others deliver equipment, we deliver an operation that holds up. That's our difference, and it's what lets us still be here twenty years later.

Six layers that sustain the operation.

We integrate six technical capabilities that critical projects rarely deliver together. A single responsibility, a single point of contact.

01

Critical Communications

Voice, data, and dispatch in environments where the commercial network doesn't reach. Backbone coverage over fiber and radio.

02

Identification and access control

People, vehicles, and materials tracked in real time. RFID, biometrics, and automated barriers.

03

Electronic security

High-demand CCTV, perimeter intrusion, fire detection, and 24/7 monitoring.

04

Connectivity and backbone network

Backbone fiber optics, MPLS rings, campus Wi-Fi, LPWAN, and LTE/5G/WiMAX connectivity.

05

Environmental Monitoring

Gases, temperature, humidity, particles. Continuous telemetry and operational alarms.

06

Monitoring and maintenance

Operating the infrastructure as our own: SLAs, preventive and corrective maintenance, continuous support.

Ocho sectores. Una misma exigencia.

Very different realities with one common denominator: technology that holds up where there's no room to improvise.

RAIL INFRASTRUCTURE

Integrated communications on high-speed rail projects: tunnel interiors, surroundings, and offices.

- Backbone and access fiber optics
- UTP, Wi-Fi, and WiMAX deployed
- Full on-site supervision

AIR TRANSPORT

Access control and communications for critical airport infrastructure.

- Advanced access control
- Redundant networks and monitoring
- Full plant deployment

TUNNELS & CIVIL WORKS

Kilometers of our own fiber-optic network and perimeter-security solutions in extreme environments.

- Our own fiber-optic network
- 200+ EBCIs deployed
- Comprehensive perimeter security

PORT INFRASTRUCTURE

Integrated communications in critical port infrastructure.

- Dock and terminal networks
- Access control to restricted areas
- Full 24/7 monitoring

Four more sectors, the same operational commitment.

INDUSTRY

IT department outsourcing at industrial plants that can't afford stoppages.

- 24/7 monitoring
- Continuous maintenance
- Dedicated technical support

HEALTHCARE SECTOR

VPN communications between domestic branches and international headquarters.

- Multi-site VPN
- Regulatory compliance
- 24/7 availability

GOVERNMENT

Managed services for local government: communications, security, and continuous support.

- Managed communications
- Comprehensive security
- Equipment maintenance

EDUCATION

Integrated networks with segmented VLANs, campus Wi-Fi, and content filtering for educational environments.

- VLANs segmented by area
- Extended campus Wi-Fi
- Filtering and monitoring

Four phases, no shortcuts.

From the first contact to continuous operation. No subcontracting what's critical.

FASE 01

Listening and design

We visit the site, we listen to the operator. We define architecture, redundancies, and acceptance criteria.

FASE 02

Deployment

Engineering and installation with our own crews. Coordination with the site and stakeholders. No subcontracting what's critical.

FASE 03

Puesta en servicio

FAT/SAT testing, operator training, as-built documentation. An orderly handover to the operations team.

FASE 04

Operation and continuous improvement

Support, preventive and corrective maintenance, system evolution according to the operation's lifecycle.

06 · DEPLOYMENTS

Real deployments in pictures.

A selection of projects in operation. Technical images and operational details without client names, in accordance with the confidentiality agreements.

Selection of projects.



Let's talk about your project.

DIRECCIÓN

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Catalog of capabilities and sectors

Where the catalog falls short, lo
construimos.