

IT INFRASTRUCTURE

# The foundation everything else rests on.

Optical networks, industrial Wi-Fi, long-range wireless connectivity, virtualization, and data center. Designed for the real conditions of each site, plant, or building. Unnoticed—until the one next door fails.

# Contents.

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- 01** IT Infrastructure — concept
- 02** What goes into a robust IT infrastructure.
- 03** How we deploy the IT foundation.
- 04** What sustains an industrial operation.
- 05** Next step
- 06** Contact

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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 goes into a robust IT infrastructure.

01

## Optical networks and certification

Optical networks and certification  
Backbone design, splicing, OTDR certification.  
Our own fiber where the operation justifies it.

02

## Industrial and campus Wi-Fi

Industrial and campus Wi-Fi  
Design based on measured coverage, not on a catalog.  
Roaming, VLAN, robust authentication.

03

## Long-range wireless connectivity

Long-range wireless connectivity  
Point-to-point and point-to-multipoint links where the line doesn't reach.

04

## Virtualization and data center

Virtualization and data center  
Technical rooms, monitored climate control, redundancy, server and desktop virtualization.

05

## Perimeter security

Perimeter security  
Firewalls, segmentation, microsegmentation, and policies aligned with compliance.

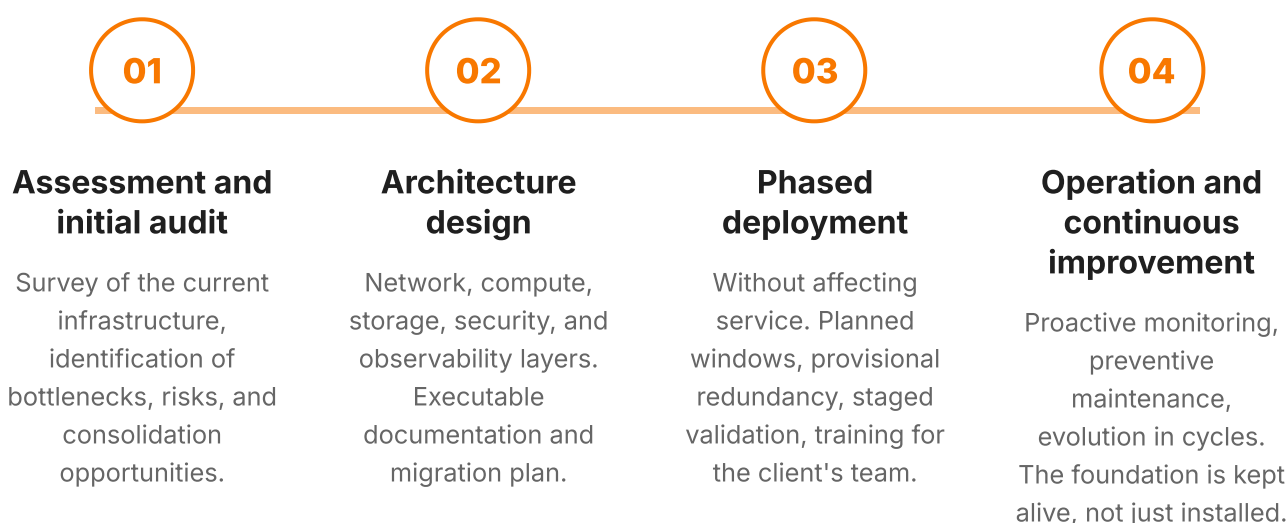
06

## Backup and disaster recovery

Backup and disaster recovery  
A verified 3-2-1 strategy, continuity plans that are tested, not just written.

# How we deploy the IT foundation.

From the initial assessment to phased deployment with continuous improvement.



# What sustains an industrial operation.

Typical scenarios where IT infrastructure is the hidden bottleneck.

01

## Fiber backbone network

Backbone design with redundancy, certified splicing, segmentation by operational and security zones.

02

## Robust industrial Wi-Fi

Site coverage with roaming between work faces, robust authentication, and survivability against occasional outages.

03

## Certified technical room

Monitored climate control, electrical redundancy, full monitoring, and signed response procedures.

04

## Server consolidation

Enterprise hypervisors, real high availability, verified backup, and a tested recovery plan.

## 05 · NEXT STEP

# Will your network support what the operation needs a year from now?

We assess the current infrastructure and propose an architecture that won't fall short in six months.

06 · CONTACT

# Let's talk.

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Solution details online

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Where the catalog falls short, we build it.