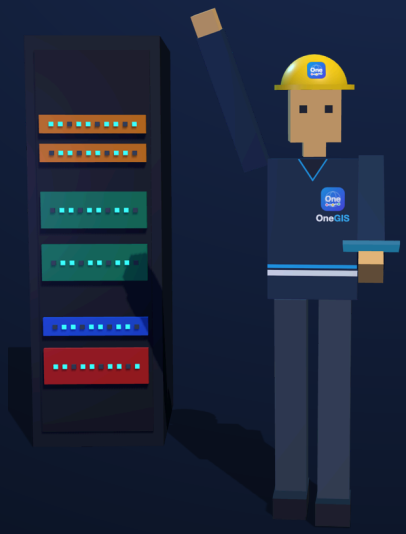
OneGIS

Your entire optical network, in one place.

Document, design and operate FTTH and transport networks in the cloud: from the pole to the rack, from the fiber to the customer's service.

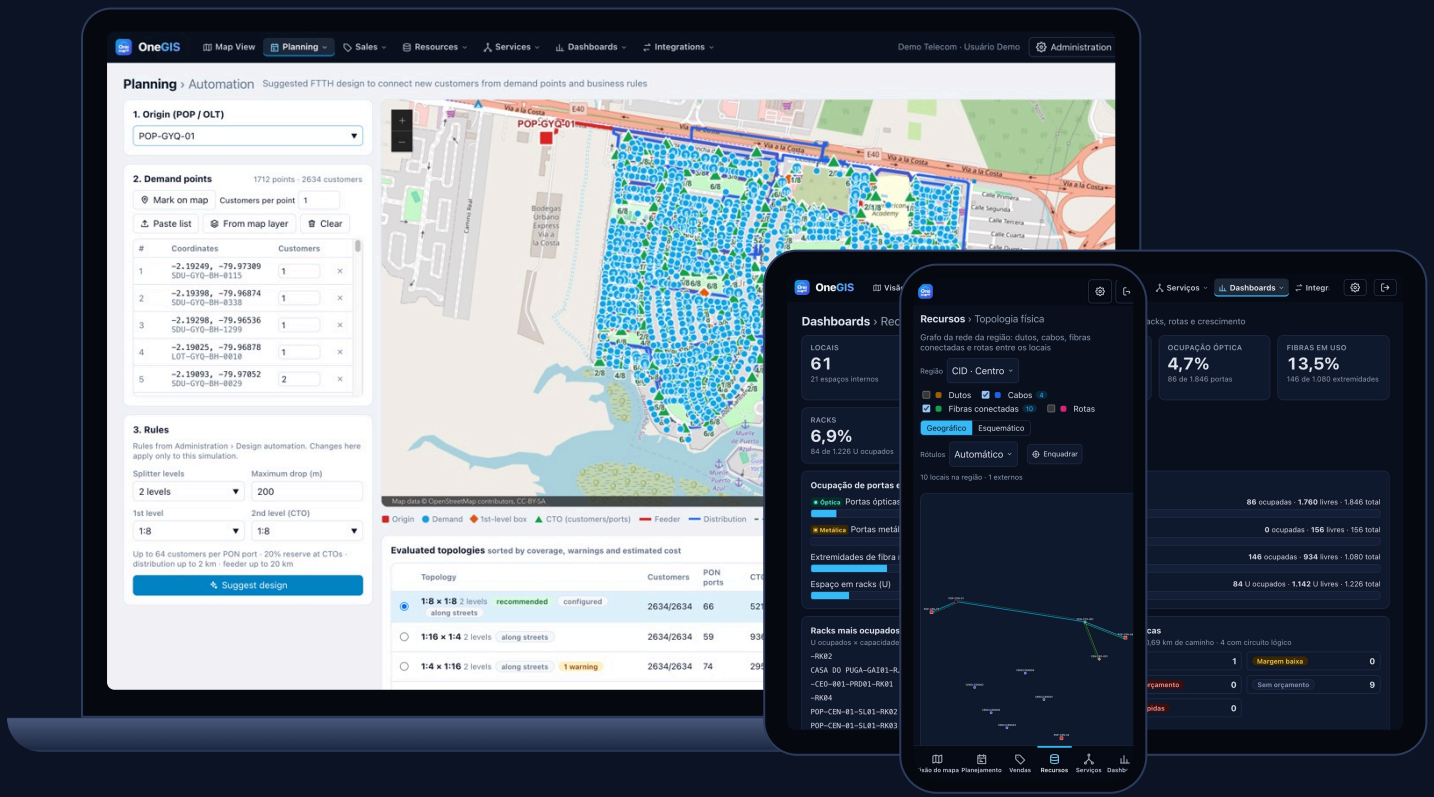


PHYSICAL INVENTORY

LOGICAL SERVICES

DESIGN & AUTOMATION

3D DIGITAL TWIN



UNDERSTAND YOUR NETWORK.

ONEGIS.AI

OneGIS

From the map to the rack, on one database

OneGIS brings together what is usually scattered across spreadsheets, drawings and GIS tools: the network on the map, the splices, the technical rooms and the services running over each fiber.

Network on the map

Sites, cables and ducts on ArcGIS maps in 2D and 3D, with layers, smart labels and KMZ import.

Splices and fibers

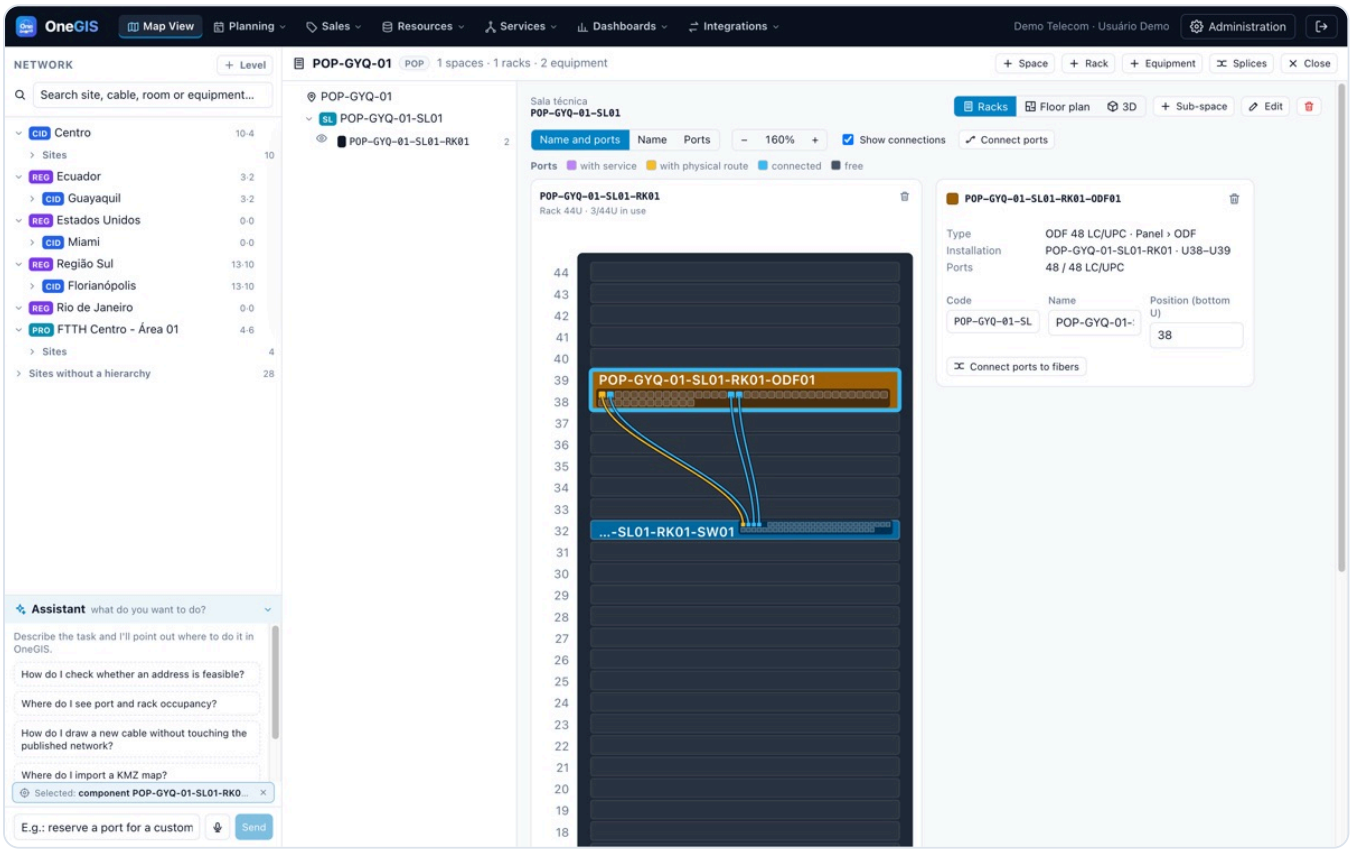
Splice diagram per site, splice plans, end-to-end fiber tracing and optical budget.

Rooms, racks and 3D

Floor plan, racks with ports and patch cords, and the room's 3D digital twin with a thermal map.

Versioned projects

Design without touching the published network, compare, approve and publish as-built.



Racks with ports and patch cords: occupancy, physical routes and connections in real time.

OneGIS

License only what your operation needs

Modules are enabled per company. Start with the physical inventory and add services, planning, sales and integrations when it makes sense.

Physical network

Physical inventory
Sites, cables, components and spaces, with filters, export and bulk actions.

Physical routes
End-to-end routes with TX/RX, power budget and OTDR fault location with PDF and KMZ.

Photos and documents
Attachments on any element, service or customer.

Power and cooling
Feeds A/B, UPS, generator and HVAC per site, with load, runtime and PUE.

Services

Ethernet and IP (IPAM)
VLANs, E-Line/E-LAN services, VRFs, prefixes and addresses.

DWDM/CWDM, OTN and SDH
Circuits, lambdas, ODU and STM on the ITU-T grid.

MPLS
VPNs, pseudowires and LSPs, with transport layers.

Planning

Projects and work orders
Versioned projects, WOs, schedule, bill of materials, PDF report and as-built publishing.

FTTH design automation
Network suggested along the streets from demand, with costs, PDF and KMZ.

Route analysis
Paths between sites, with waypoints and alternatives.

Sales

Feasibility and reservations
Check by address, reserve ports and track deals.

Customers
Records, contacts and services for each customer.

Heat map
Where demand is and where the network reaches.

Analytics

Dashboards
Resources, services, planning and sales indicators.

Topologies
Physical and logical network graph by region.

Platform

Integrations
TM Forum APIs, alarms, sensors and bulk import.

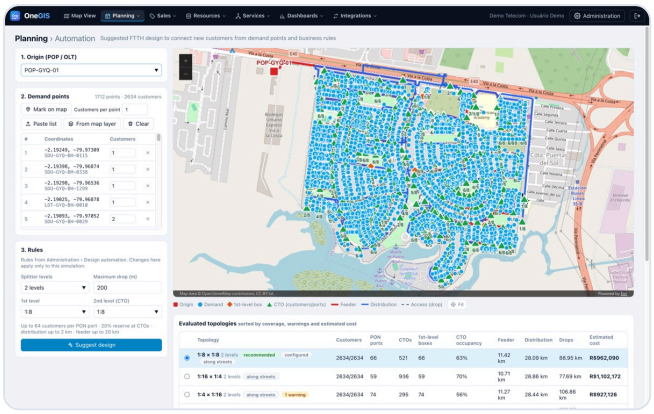
AI Assistant
Guides and acts on the selected element.

Avatar, events and messages
Avatars, meetings and parties in the 3D rooms.

Core included Map and network layers, splices, rooms and racks with 3D, OneGISBud, Help with a manual in your language and settings are part of every plan.

OneGIS

Features that change the daily work



PLANNING

FTTH design automation

From the demand points, OneGIS suggests the network along the streets: boxes, splitters, cables and costs, comparing several topologies.

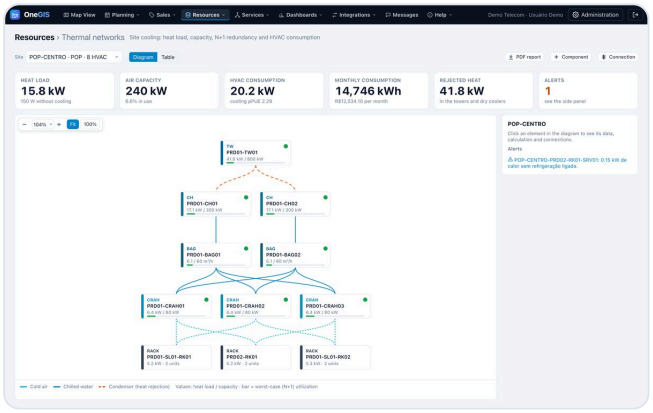
- Configurable splitter, spare and distance rules
- Estimated cost per topology
- Publishes the project with the fibers already spliced

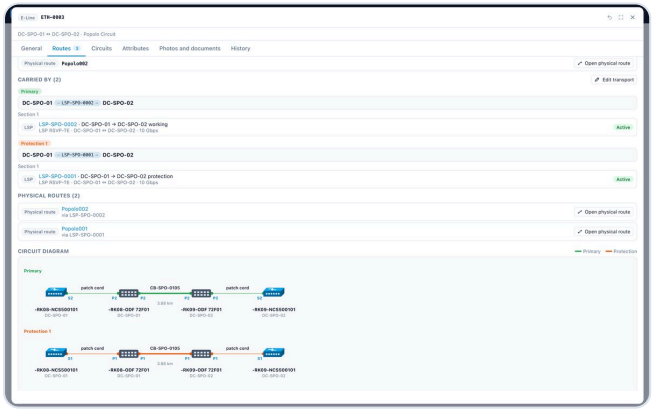
SITE INFRASTRUCTURE

Power and cooling networks

Power and cooling modeled like the fiber: from utility and generator to each rack on feeds A and B, and from chillers to CRAH units.

- Load, capacity, runtime and PUE
- N+1 redundancy and alerts for racks with no feed or cooling
- One-line diagram and PDF report





SERVICES

Multi-technology logical inventory

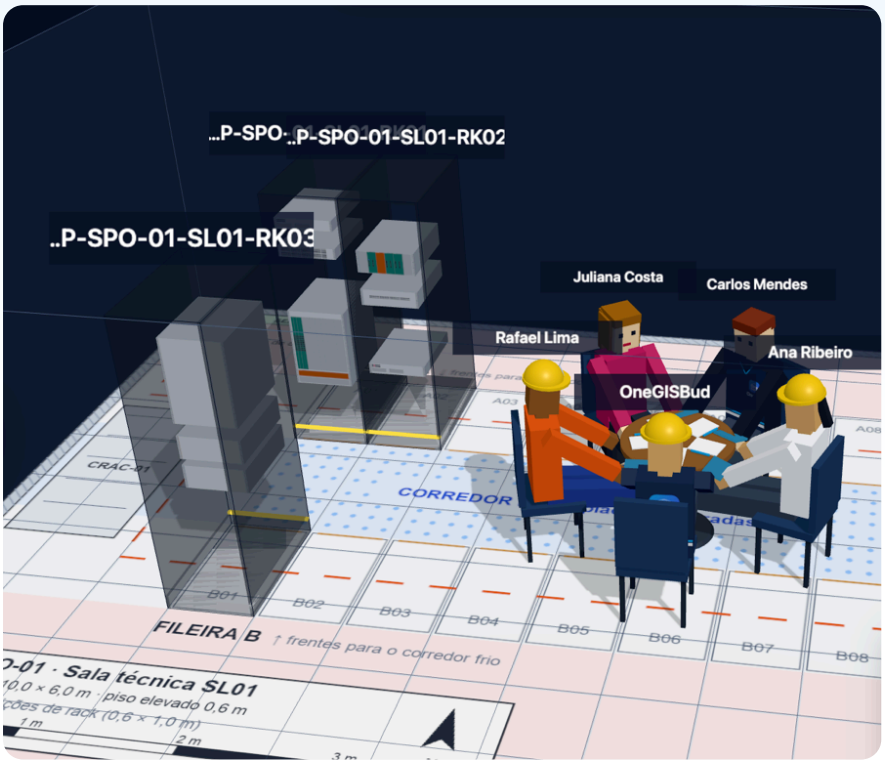
Ethernet, IP (IPAM), DWDM/CWDM, OTN, SDH and MPLS over the same ports and physical routes, with linked transport layers.

- Logical topology by region and technology
- Failure impact: which services run over this fiber
- Circuit diagram with main and protection paths

OneGIS

The virtual technician who works with your team

OneGISBud is the OneGIS character. He welcomes each user, shows where to start and lives in the 3D rooms, where he walks to the equipment you select.



Hi! Select a piece of equipment and I'll walk over.

I'm at rack RK01: 12 components, 18U free.

Welcome tour
On first access, he explains the hierarchy, the menus, administration and the assistant.

Comments on what happens
Speech bubbles confirm moves and installations in the room.

AI Assistant
Ask by text or voice: it points to where to do it and prepares the action for you to confirm.

Events in the 3D rooms
Schedules meetings and parties, sends invitations and gathers the team's avatars.

Team avatars
Each user picks an avatar and appears with their name in the 3D rooms.

Meetings with chat
A table with a chair per avatar and speech bubbles over each one.

Three editions, priced per named user

People who design and maintain the network use an editor license; field technicians, sales and NOC join as read-only, at a lower cost.

Essential

Document the physical network

- Full core
- Physical inventory
- Photos and documents
- Dashboards

Professional

Growing providers

- Everything in Essential
- Projects and work orders
- Physical routes and OTDR
- Sales and feasibility

Enterprise

Carriers and transport

- Everything in Professional
- Logical inventory (6 technologies)
- FTTH automation
- Integrations and AI Assistant

Administrator
Sets up the company and users.

Editor
Designs, documents and publishes the network.

Read-only
Looks things up at the office or in the field.

Technology and security

SaaS on AWS
Cloud with high availability and backups.

Isolated data
Each company isolated in the database, with history and audit.

Open standards
TM Forum APIs, SNMP and webhooks, KMZ and CSV.

In the field
Works on the phone, with location and photos.

Three languages
Portuguese, English and Spanish, per user.

Modules per company
Licenses, users and expiration in the admin portal.

See OneGIS with your own network
Book a demo and import a section of your network to try it.

onegis.ai

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