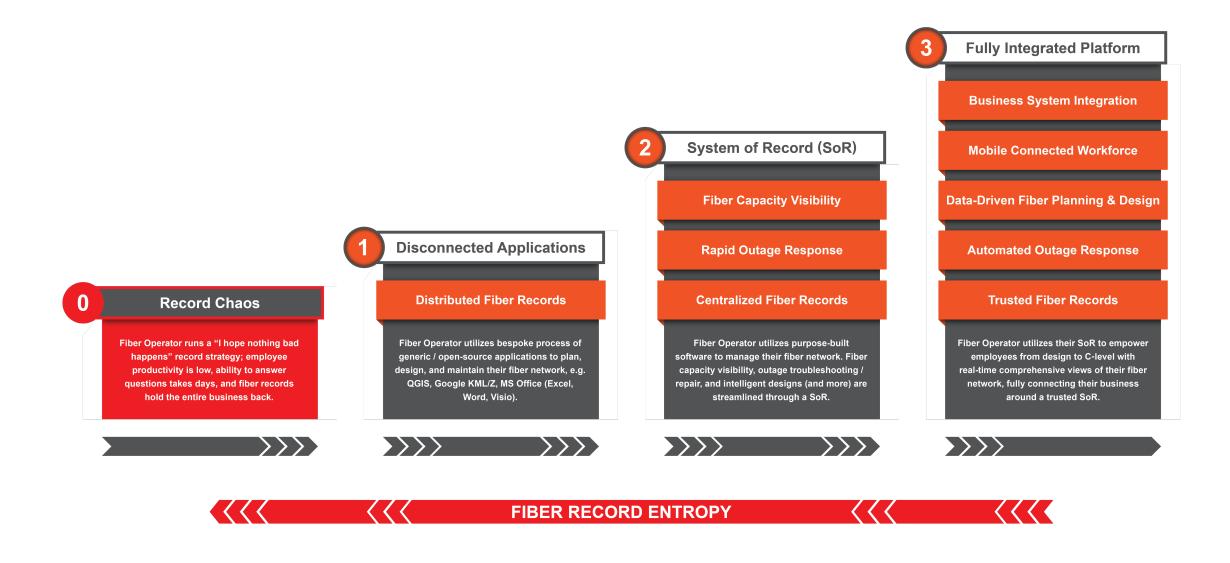
OSPINSGHT_®

An IQGeo business

Fiber Operator Maturity Model





Why OSPInsight



Other Fiber Optic Software

Not Much of a Track Record

New solutions are still adding necessary features and might not be around for the long-haul

• Overly Complex

Software that doesn't understand the day-to-day fiber workflow

Closed Platform

Data movement is often restricted, making integrations impossible

Expensive & Rigid Deployment

Many solutions are inflexible in their pricing and deployment

OSPInsight

Most Trusted Fiber Optic Software

We have 25+ years building fiber inventory software and are going to be around for the long-haul

Ease-of-Use

Designed by fiber operators, Learn in minutes what takes weeks with others

Open Platform

Your data is your data, use our Open API, deep geospatial integrations to integrate all your business processes

Flexible Pricing & Deployment Options

Pricing that works for you, with on-premise & cloud options

Key Benefits of OSPInsight





Documentation

Reliable and secure system of record for all your critical network elements



One Truth

Single source of truth to disseminate knowledge across your company



Workflow

OSPInsight was designed by field engineers for your end-to-end workflow









Industry Best Practices



200+ Customers

OSPInsight Powers Your Entire Workflow





Plan & Design

Design new parts of your fiber network and see those plans next to your network infrastructure.

Day-to-day Operational Management

Troubleshoot service downtime, manage capacity, update network documentation in real time, and support field technicians.

Real-time Monitoring & Alerts

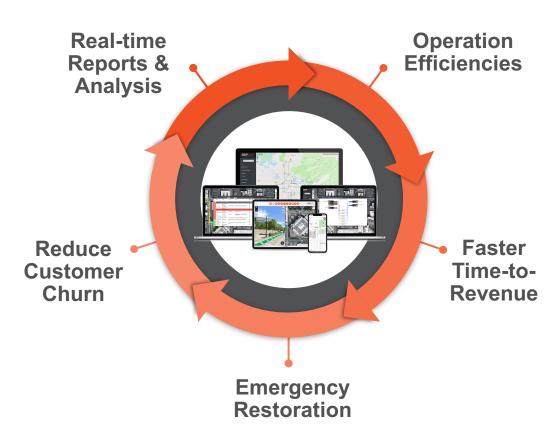
Connect to your field and test equipment to see the health of your network in real-time and receive alerts immediately if there is an outage.

Sales & Customer Support

Estimate construction costs for new builds and explore potential business opportunities.

OSPInsight – Software that Pays for Itself





Operation Efficiencies

Keep accurate records up to date with ease, reducing manual data work.

Faster Time-to-Revenue

Digitize your workflow from high level design to as-built.

Emergency Restoration

Find and fix affected fibers faster with proprietary fault-finding capabilities.

• Reduce Customer Churn

Improve service and reduce churn by relating customers to their fiber service.

Real-time Reports & Analysis

Run tax, accounting, and capacity reports with a few clicks, improving decision making across your business.

Core User Types



	Basic User	Viewer User	Editor User
Access to Network Map	⊘	⊘	
Bookmarks			
Geocoding			
Map Overlays			
Themes			
Bill of Materials and Work Orders			
Create and Edit Plan Lines and Plan Points			
Export to KML / CSV			
Reporting Add-On, including CSA Report			
Route Detail and Find Fault			
Splicing Reports			
Taper Report			
Utilize Visualization Tools			
View document / file relations			
Change Network Settings			
Create Network Entities on Network Map			
Create Work Orders			
Edit Network Entity Attributes			
Update Network Entities			⊘

^{*}Features above are available both in the Web Platform and in Add-On packages

Fiber Operator Revenue Lifecycle



Planning and Design

Engineering

How many customers are we going to serve? Placement? Permits? Diverse routes?

Executive

What is the capital investment required to create this service for customers?

Customer

When will I get better service?

Engineering

How do we track what has been built and if it is to plan? How do we manage contractors and other partners?

Executive

Is the project on time and under budget? Where do we need to expand?

Customer

How long did it take to get service back up?

Executive

What is our market share and churn rate?

Engineering

Are we seeing more tickets coming in from a specific segment of fiber?

Revenue Based OSPINSCH An IQGeo business Productivity Enhancing Quality of Life

Customer

How long will it take to get service?

Operational Management

Engineering

How do we track changes to the network?

Sales and Customer Support

Customer

Is the service as good as I was promised? What is my real up/down and uptime?

Executive

When did the problem happen and how did we handle it?

Engineering

How do we quickly respond to an outage or other SLA breach and restore service?

Monitoring and Alerts

Construction

Customer

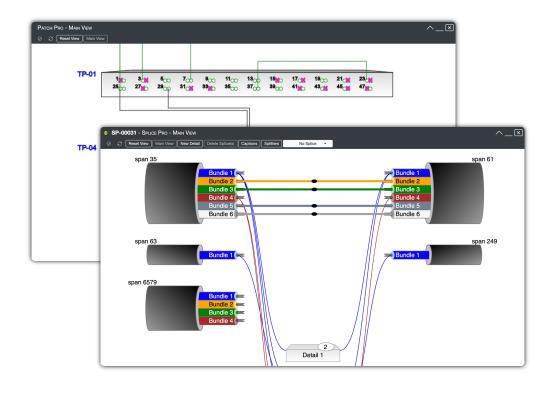
How do I access this new service?

Executive

Is the service meeting our SLAs? Where is investment really needed?

Visualization Tools Add-On





What is the Visualization Tools Add-On?

The Visualization Tools Add-on is a set of visualizations to manage connectivity records, including splicing, patching, and duct capacity.

What is included?

The initial launch of the Visualization Tools Add-on includes:

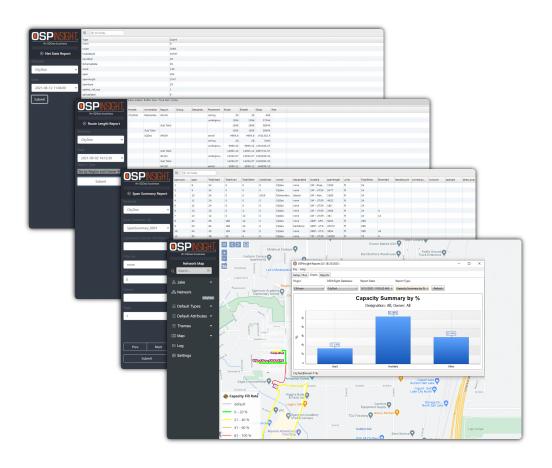
Splice Pro

Future addition to the Visualization Tools Add-On includes:

Patch Pro (In Development)

Reports Add-On





What is the Reports Add-On?

The Reports Add-on integrates our legacy Desktop Reports application into the OSPInsight Web software. We've retooled large portions of Desktop Reports to remove third party dependencies (i.e. MapInfo, Microsoft Access) and improved our long-standing and industry-proven reporting of fiber assets.

This new Desktop Reports will now ship as a plugin application to be used in conjunction with OSPInsight Web. Desktop application users now have the ability to create and schedule new reports, serving as an admin over your reporting functionality. Once finalized, reports will be available for OSPInsight Web users to view and export.

What is included?

Out-of-the-box you will have access to several key standard reports:

- Cable Span Analysis (CSA) / Span Summary Report
- Route Endpoint Report
- Route Length Report
- · Network Statistics (Net Stats) Report





What is the Mobile Add-On?

Mobilize your OSPInsight database by utilizing IQGeo's revolutionary mobile first platform.

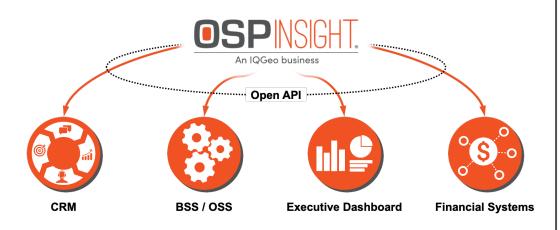
What is included?

The Mobile Add-on includes:

- Redline and markup
 - Plan and design your network using any device; online or offline
- Street View
 - Use Google Street View to interact with your network objects
- Picture Attachments
 - Attach pictures to network objects within your OSPInsight database

Open API Add-On





What is the Open API Add-On?

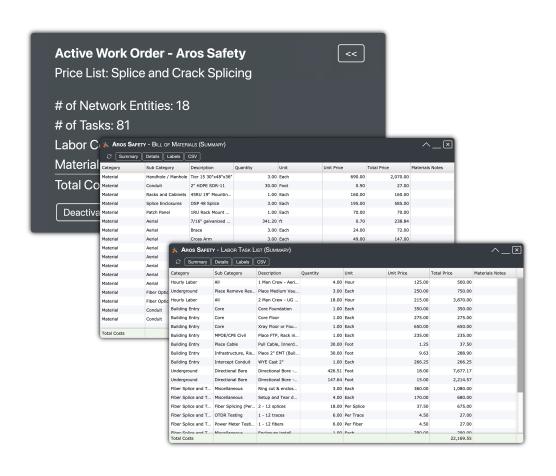
With OSPInsight, you have a full lifecycle platform in planning, designing, building, and operating a fiber network. However, we understand that in order to operate a fiber network there are other needs that you would want to sync with OSPInsight. In order to do that, we have created an open API which uses a RESTful API.

The OSPInsight Open API makes it easy for you to pull unique identifiers of your data our of OSPInsight and integrate these unique identifiers with other systems that hold your network data.

- To avoid "swivel chair" problems, OSPInsight can integrate with other business systems through the Open API Add-on
- Documentation for the API is available at api.ospinsight.com
- We're regularly updating the Open API with more end points

Bill of Materials Add-On





What is the Bill of Materials Add-On?

The Bill of Materials Add-On provides a new set of features for quick cost estimation during the fiber network design process..

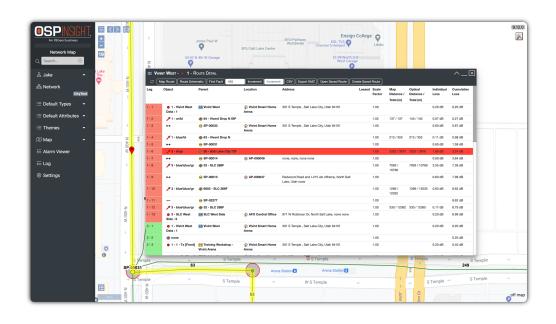
What is included?

The Bill of Materials Add-on includes:

- Active Work Order
- Bill of Materials Summary Table
- Labor Task List
- Price Lists
- Global Tasks

Alarm Monitoring Add-On





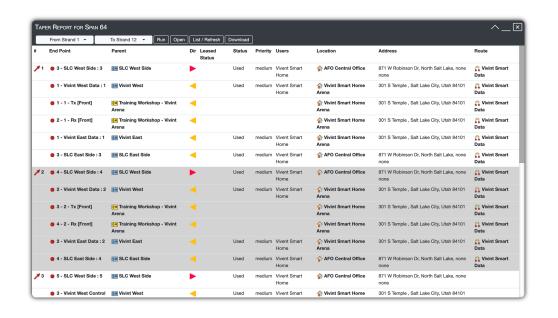
What is the Alarm Monitoring Add-On?

The Alarm Monitoring Add-On can be used to identify the location of a network fault (break / degradation) an OSPInsight technician can put those measurements into the OSPInsight Find Fault Tool and find exact locations based on the information that the user has added to their database

Benefits of the Alarm Monitoring Add-On:

- Brings visibility of Remote Fiber Test System across an organization
- Layer 1 active monitoring
- Remove complexity
- Reduce time to provisioning
- Build quality assurances
- Field Testing Reduce: Time to repair, truck rolls





What is a Taper Report?

One of the most widely used reports in fiber network management is the Taper Report which provides a detailed view of the utilization of individual fibers in a specific cable.

These reports are valuable for many reasons and are essential to successful network management and growth as they support different kinds of operational functions

Business Development Personnel

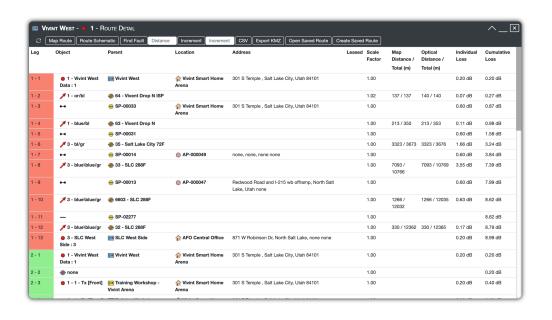
Taper Reports can be used by business development personnel to understand whether they have capacity within a cable to support new clients or leads.

Network Engineers

Network engineers can use Taper Reports to understand which clients may be affected by faults or breaks in lit fiber strands, allowing them to disseminate information appropriately.

Route Detail





What is a Route Detail?

The Route Detail provides essential data that includes fiber endpoints, distances between panels, fiber status, fiber priority, and cable locations. A Route Detail is used to find each object along the route to verify route accuracy.

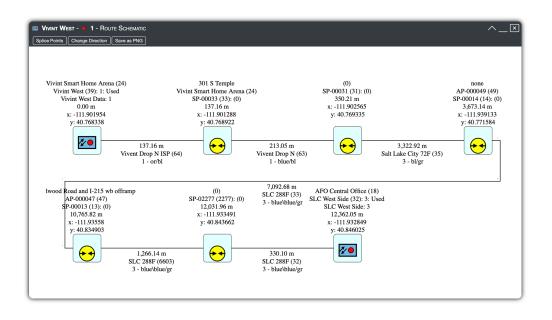
The Route Detail provides you with OSPInsight's Find Fault tool which can pinpoint the location of breaks along fiber optic cables with remarkable precision using inputs from optical time-domain reflectometers (OTDRs).

Network Operators

Network Operators use OSPInsight's Find Fault tool to address cable breaks and get clients back up and running on your network with little interruption.

Network Technicians

Network Technicians can diagnose where and why signal attenuation may be occurring along a cable. Signals may need to be boosted where long distances separate endpoints.



What is a Route Schematic?

The Route Schematic provides essential data that includes fiber endpoints, distances between network objects, as well as splice point and termination point information.

The Route Schematic is used as a graphical resource to quickly view and share your fiber route to verify route accuracy, and efficiency.

Network Engineers

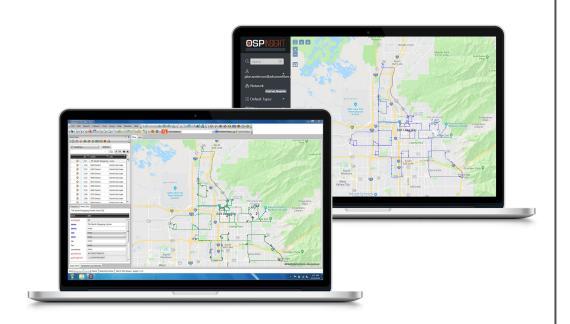
Network Engineers have the locations of all endpoints along a cable, the distances between them, and panel assignments, making it so they can quickly and easily verify route accuracy and efficiency.

Network Technicians

Network Technicians can diagnose where and why signal attenuation may be occurring along a cable. Signals may need to be boosted at locations where long distances separate endpoints.

Real-time Integration with Modern GIS Tooling





OSPInsight is deeply integrated with the industry's leading GIS providers, allowing you to pull your fiber network data into the rest of your geospatial processes.

Real-time Integration with Industry Leading GIS

- MapInfo
- Open Source

Real-time Integration with Modern GIS Tooling





OSPInsight uses the latest web technologies and APIs allowing you to seamlessly sync with the other systems in your business.

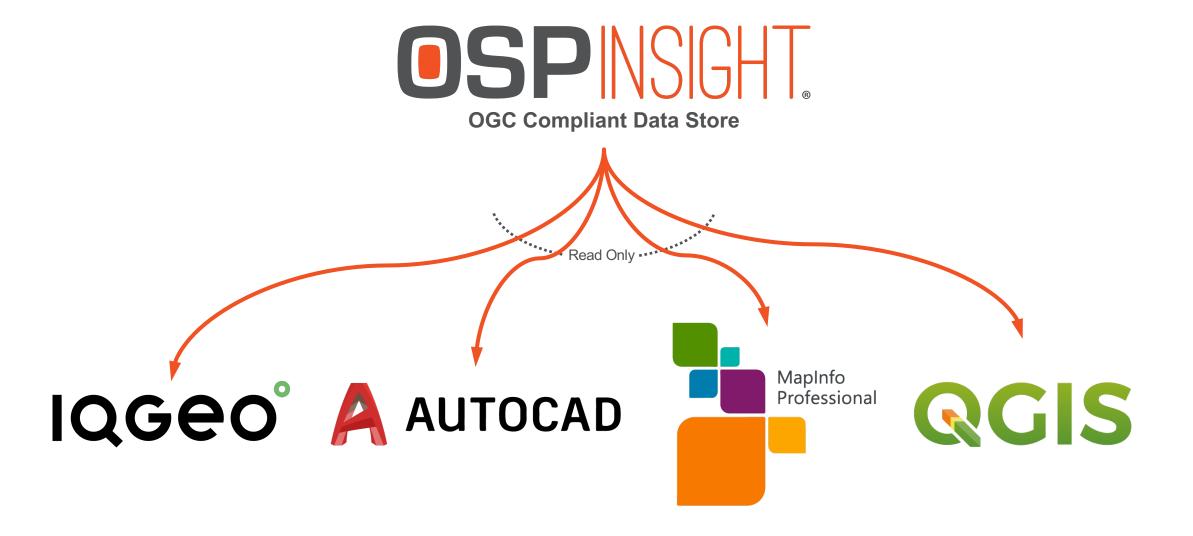
Automated Design – Biarri, Comsof

Provisioning – Netcracker

Workforce Tracker – Service Now

CRM and Sales – Salesforce





Onboarding Plan



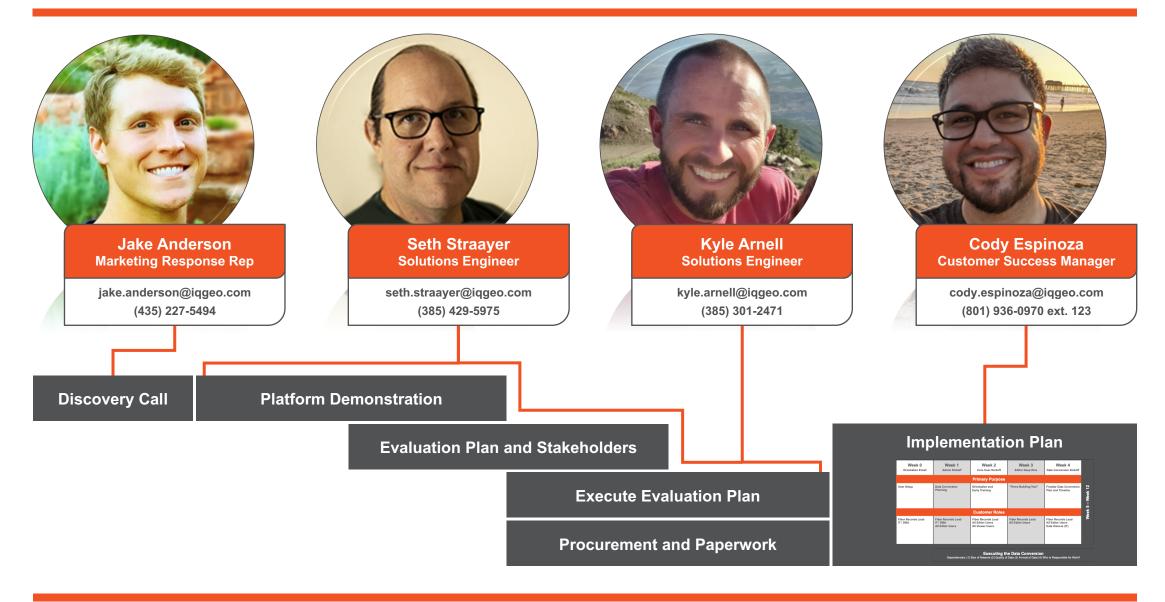
Week 0 Orientation Email	Week 1 Admin Kickoff	Week 2 Core User Kickoff	Week 3 Editor Deep Dive	Week 4 Data Conversion Kickoff		
Primary Purpose						
User Setup	Data Conversion Planning	Orientation and Early Training	"Three Building Test"	Finalize Data Conversion Plan and Timeline	5 – Week 12	
Customer Roles						
Fiber Records Lead IT / DBA	Fiber Records Lead IT / DBA All Editor Users	Fiber Records Lead All Editor Users All Viewer Users	Fiber Records Lead All Editor Users	Fiber Records Lead All Editor Users Data Owners (IT)	Week	

Executing the Data Conversion

Dependencies: (1) Size of Network (2) Quality of Data (3) Format of Data (4) Who is Responsible for Work?

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