

# unstrukdata

## YOUR UNSTRUCTURED DATA IS BEGGING FOR ATTENTION

Your geo-spatial images, videos and other industrial files contain loads of valuable information about your business that goes unrealized. Your teams can't draw insights and take action on data they can't find. These assets should enrich your understanding of your business. Do they? Probably not, because until now, there hasn't been a commercially viable platform designed to address the specific challenges of extracting value from unstructured data.

### FINDABILITY

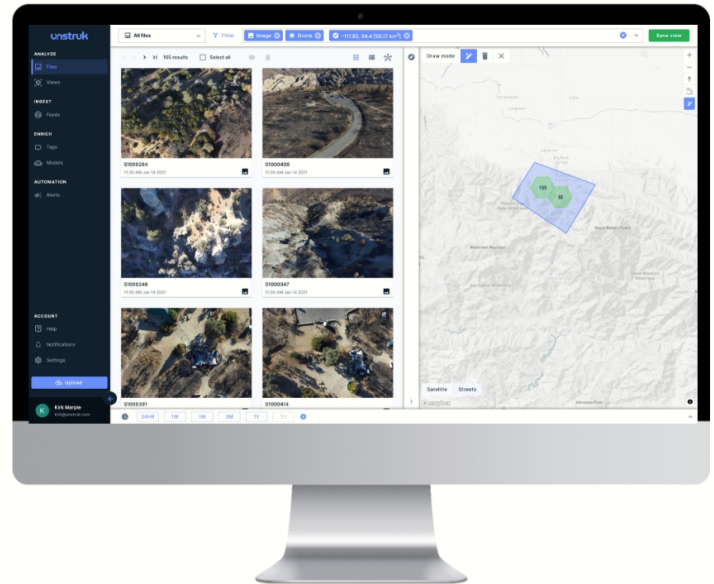
Unstructured files contain magnitudes more information than your typical structured files and need robust tagging and indexing in order to be surfaced and valuable. Until now, metadata enrichment has been primarily a manual and error-prone undertaking, so even the most advanced data environments tend to leave unstructured data in the dark and underutilized.

### AUTOMATION

Extracting the objects and entities that matter from these files requires deploying ML models and machine learned automation that is not an internal competency, and is probably beyond the reach of your resources.

### INTEGRATION

Once critical data is found and extracted, it must be handed-off to downstream systems (i.e. BI, alerting, analytics) in order to make meaning and extract value from it.



## AN UNSTRUCTURED DATA PLATFORM

Historically, the only options available to organizations to tackle this mission-critical challenge has been to build an in-house solution or pay a solution provider to build one for them. Either way, one is left with a rigid and expensive point solution that can't easily extend or adapt to your *next* unstructured data project.

Drawing insights from unstructured data isn't a **project**, it's an ongoing necessity. With so many *structured* data tools available with which to draw insights and take actions, you can't afford to deprive these systems of your *unstructured* data any longer. We have the solution.

We'd like to introduce you to Unstruk's unstructured data platform. Ingest, enrich, analyze, visualize, alert and seamlessly integrate from a complete, no code platform. There is nothing else like it. Sign up for an in-person demonstration and you'll be surprised at how quickly and cost effectively you can have an impact on your business.

More Information: [www.unstruk.com](http://www.unstruk.com)



## KNOWLEDGE GRAPH BASED

- Creates a 360 degree view of the correlations between the unstructured data in your company's proprietary knowledge graph
- Data can be enriched by external data sources, APIs, machine learning models and 3rd party data sources (e.g. weather feed)
- It is easy to find your unstructured data by full-text search, tag filtering, geo-spatial and metadata queries, or use Unstruk's watch folders to notify you when a new file or object arrives.
- Provides data versioning and lineage tracking, as well as duplicate detection and data consistency validation

## TIME AND SPACE ALIGNED

- Supports any type of time-synchronized data: video, audio, image sequences
- Supports any type of geospatially-aligned data: images, video, LIDAR, 3D geometry
- All data is indexed in time and geo-space, as well as by capture-device metadata (i.e. camera properties, drone model)
- Metadata is extracted upon ingest, enriched via external data sources, and manually or AI-tagged for robust search/filtering

## SELF-SERVICE

- Connect to cloud storage, Dropbox or Google Drive to start ingesting unstructured data immediately
- Creates immediate searchability, no more data silos. Configurable alerts, APIs and plug-in architecture leverages your existing software.
- Cloud resources are dynamically provisioned for you and elastically scale to support millions of unstructured data files. You are billed for the storage and compute usage you use.

## SECURE

- *Your* data remains your data: Stored in your own secure, encrypted cloud storage account
- Use configurable data storage policies for transient processing, permanent archiving and "cold storage"
- Full access controls for you and your team, along with event-based logs for easy audits
- Integrates with single sign-on (SSO) providers for authentication and authorization

## INTEGRATION

- Annotate images, video, audio and 3D point clouds in Unstruk's portal, or easily integrate with third-party services
- Query data with GraphQL API and Python SDK for machine learning model training and business workflow integrations
- Publish metadata to SQL/NoSQL databases, data lakes, or streaming data services
- Rules-based alerting for external notifications, API-based integration (i.e. Zapier, PowerAutomate) or field service ticket creation

## Unstruk Data Platform



File-based  
ingestion



Metadata  
extraction



Rules  
engine



Integrated  
analysis



Integrated ML  
enrichment

### External extensibility



API-based analysis  
& enrichment



ML  
enrichment



Knowledge  
graph



Feeds



Media Files



Tags



Observations



Observables



Insights



Alerts



Cloud  
storage