PRODELTA
PROJECTS INC.

DATA AUTOMATION

CENTRAL DATABASE

All data is built into a database accessible from anywhere

UPDATED IN REAL TIME

Data can be added or edited at a moments notice

MOBILE INTEGRATION

Allows forms to be sent straight to the database from the field

INTRODUCTION

ProDelta DMS is an advanced system that utilizes some of the latest technology to enhance the efficiency of decision-making linking the office to the field.

Utilizing affordable 3D GIS, Business Intelligence, Remote Sensing, and Enhanced Analytics to provide a transparent, simple-to-use interface for all stakeholders to gain insight. ProDelta DMS takes your data, makes it easily accessible from anywhere with an internet connection, and keeps it updated in near real time.

With the capacity of virtual reality, not only does ProDelta DMS bring the user new experience of their projects, it can full immerse them into it.

Integrated with SQL based database, ProDelta DMS can be the back bone of a project with a living document experience.

USER INTERFACE

ProDelta DMS has two specific interfaces all built off one central data base:

– 3D GIS
– Online Business Intelligence.

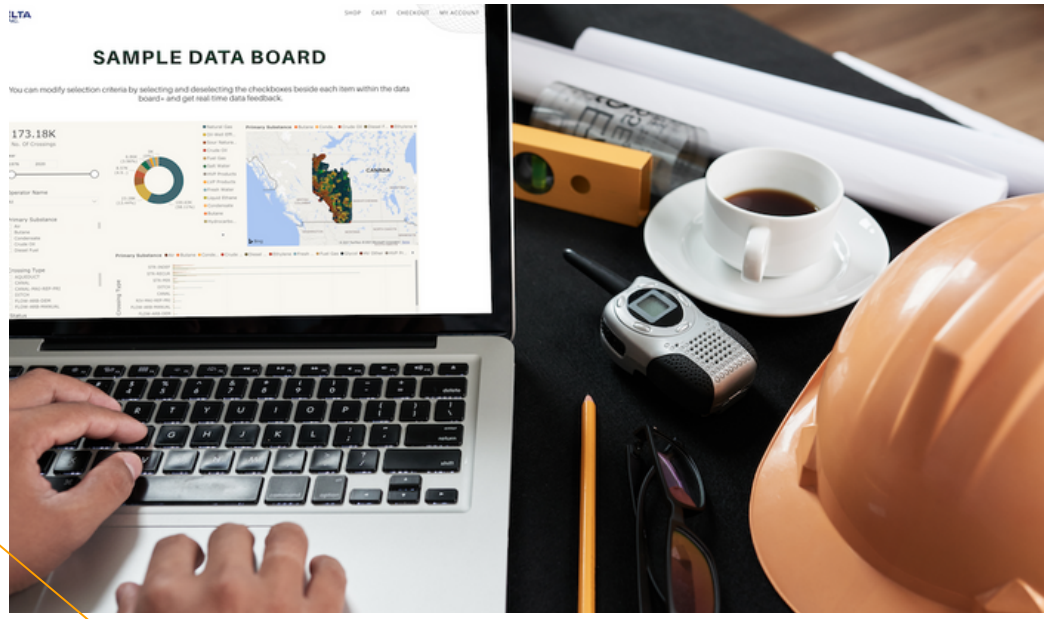
Both interfaces have a minimal amount of training required and are interactive and easy to understand. From query searches and slicers, ProDelta DMS derives insight and solutions into difficult projects and optimizes field professional's time.

MOBILE INPUT

ProDelta DMS Mobile is a data collection platform that integrates directly with ProDelta DMS. ProDelta DMS Mobile has successful be implemented in the following:

- Borehole Logging
- Pipeline Construction Monitoring
- Suspended Well Inspection
- Pre-Site Assessments

ProDelta DMS is customizable to our clients need to replicate the existing work flows.



Business Intelligence Dashboard

DMS DATA OUTPUTS

GOVERNMENT GEOSPATIAL DATA

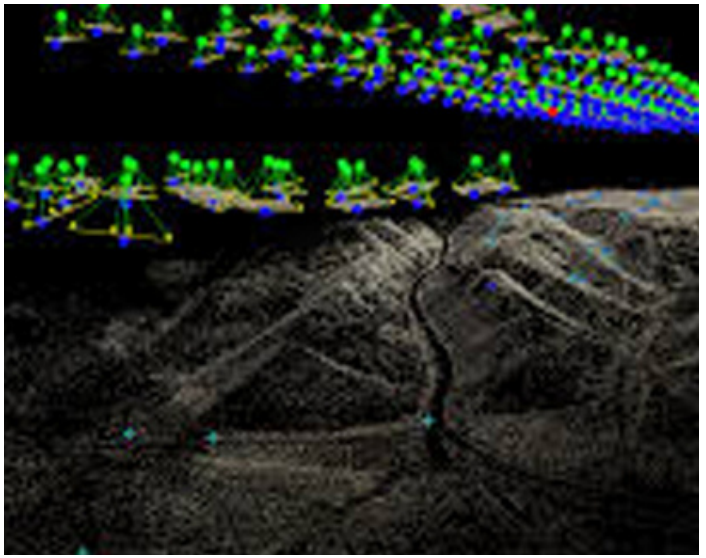
ProDelta DMS is integrated with a wide variety of different government geospatial database through a live API. When our users open up these data sets, they have the most up to data.

3D POINT CLOUD

With digital twinning becoming a more cost-effective method for looking at data, ProDelta DMS can stream your infrastructure with 3D Colourize Point Clouds. Integrate your infrastructure with attributes and points and click to details instead of looking through spreadsheets.

IMAGERY

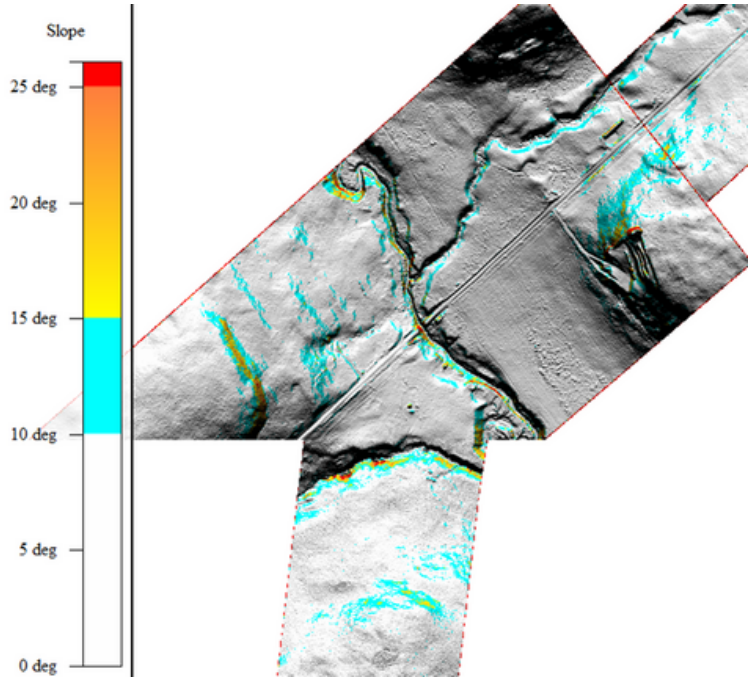
ProDelta DMS integrates all photogrammetry data sets that are collected through our Nontra Analytics.



3D Point Cloud

Photogrammtry Imagery example visualization

3D Mesh



Lidar Analysis

3D MESH

Form 3D Surface mesh to underground plumes, ProDelta DMS can visualize your data in a variety of methods that give stakeholders visual insight into your projects.

LIDAR ANALYSIS

With the majority of projects in Western Canada having access to LiDAR data, ProDelta completes a detailed analysis of the LiDAR which includes: Slope Classification, Grade Direction, Profile Analysis, and more.

SQL DATABASES

ProDelta DMS users can either add new features and/or read from ProDelta DMS SQL Database Insfrasturuce.

WEATHER TRACKING

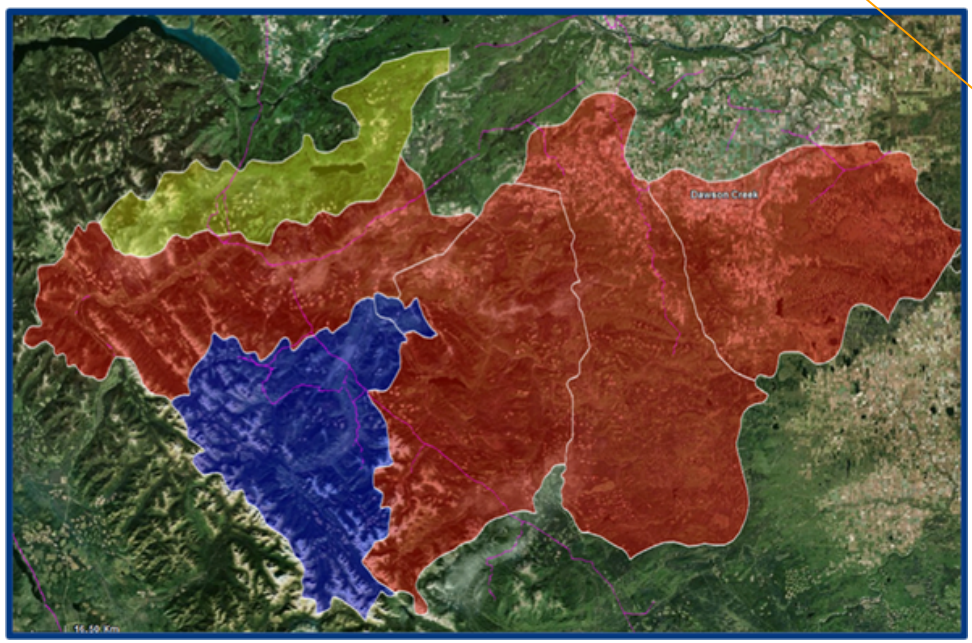
Weather is one of the biggest contributing factors to project delays. ProDelta DMS integrates live weather tracking for all their projects letting you see the weather systems that can impact your project in real time.

FLOOD MONITORING

ProDelta has developed a system that monitors water basins for current water levels using Environment Canada data. Utilizing historical data, ProDelta has calculated the flood events for:

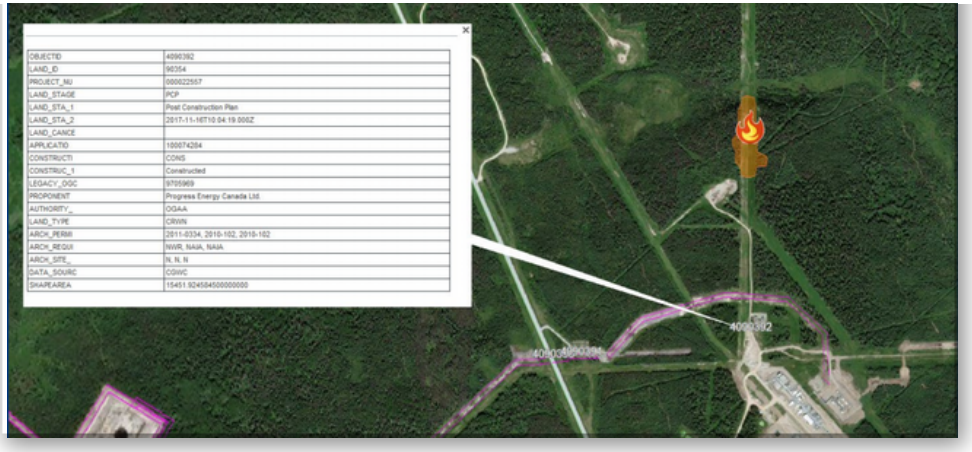
- 1:50 Year (Green)
- 1:100 Year (Yellow)
- 1:200 Year (Red)

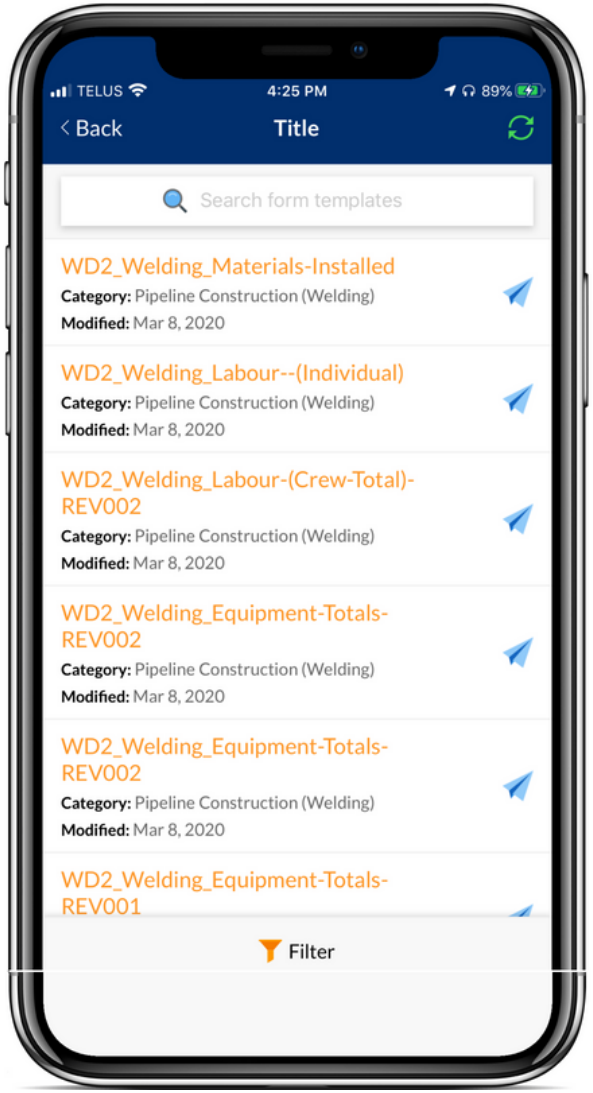
ProDelta's GIS system is refreshed and water basins change colour based on the risk associated with it.



FOREST FIRE MONITORING

During forest fire season(s), ProDelta can monitor daily forest fire activities to see any impact on the clients' pipeline network.





MOBILE DATA COLLECTION

ProDelta DMS Mobile utilizes both Android and IOS interfaces to collect clients construction monitoring data and can work offline. ProDelta's mobile platform can be customized to replicate existing forms and has simple to use interface. The following inputs can be integrated to help utilize field staff time collecting data.

- Drop Down Menus
- QR/Bar Code Reader
- Radio Buttons
- Integrated Geo-referenced photos
- Signature

All data syncs to the ProDelta DMS Cloud. Within ProDelta DMS every data featured becomes searchable. Common uses of the Mobile app include but not limited to:

- Daily Construction Reports
- Environmental Inspection
- Weld mapping
- UPI Tracking

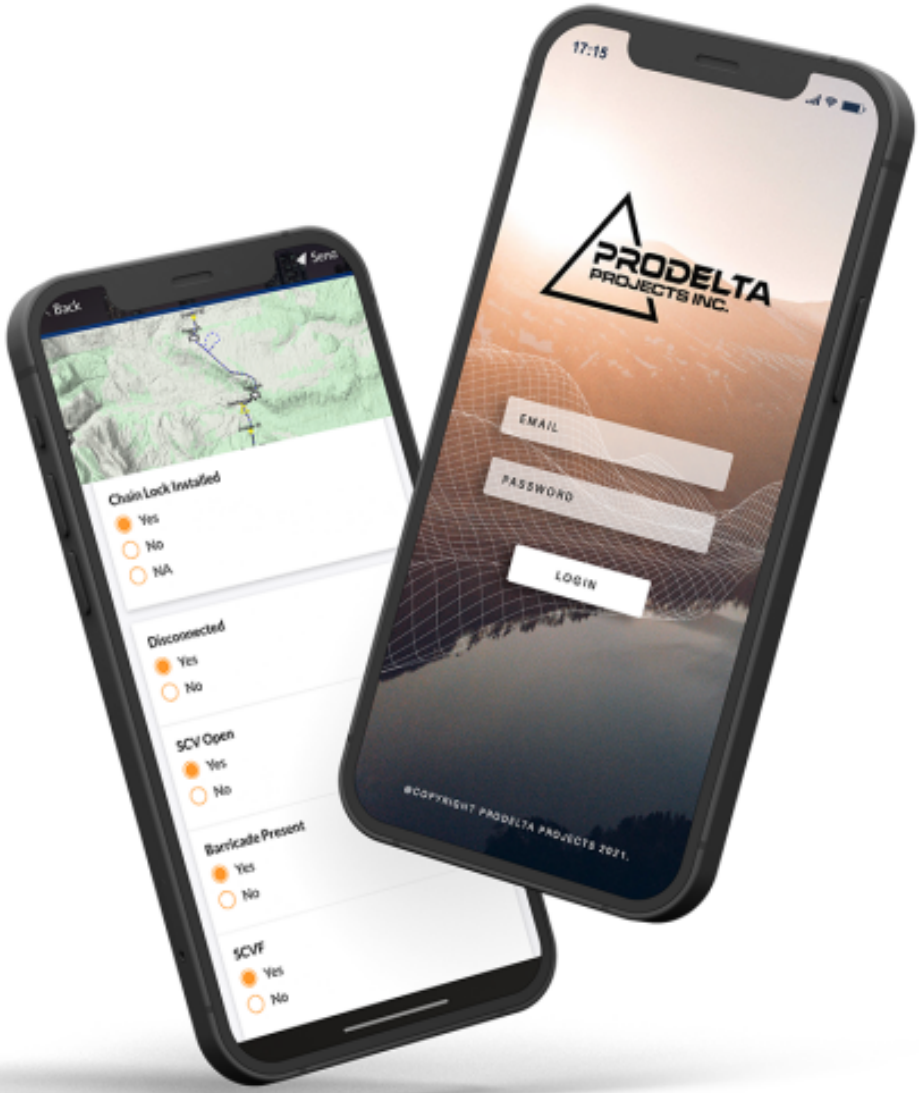
CUSTOMIZABLE DATA

ProDelta's mobile platform can be customized to replicate existing forms and has simple to use interface.

ProDelta DMS™ can be customized to replicate all existing forms, with the additional features of pre-populated fields, drop down and radio buttons.

Enter your data in once and let it sync with ProDelta DMS™ central database to unlock your data.

It can also be customized for any type of data collection. Data is entered in once and multiple exports can be generated.



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