

# StrataExplorer

## Quick Facts

The EDMS Field application is a separate program that can be run on tablets and laptops to collect data and then send this data remotely to the EDMS application.

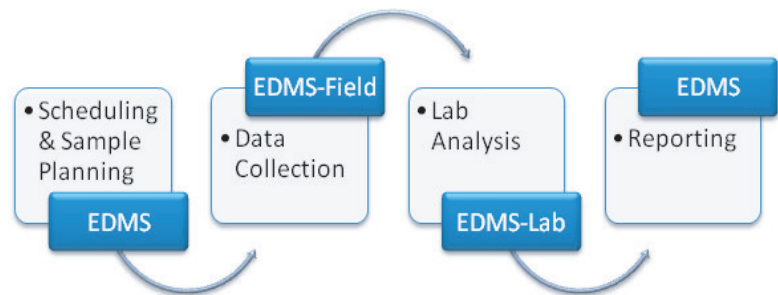
The field data consists of sample and station information and is transmitted as Electronic Data Deliverables (EDDs) to EDMS. To use EDMS Field with EDMS, the network version of EDMS must be used.

A wide variety of environmental data can be collected by EDMS Field, including; soil, rock, groundwater, surface water, solids, fluids, air, biological, and meteorological data.

### Benefits

- Scheduling of sampling tasks on a singular or recurring basis.
- Provide notifications of sample collection and lab analysis submittal events,
- Collection and exporting of extensive environmental data,
- Standardize the procedures for data collection within and across projects,
- Reduce the time and effort required for data handling and reporting,
- Provide a secure database system for the storage, retrieval, and backup of all project environmental data.
- Fully integrated with the EDMS module within StrataExplorer.

## EDMS Field



EDMS Field is used to improve and standardize environmental data collection and management. This process can be divided into four stages:

### 1. Scheduling and Sample Planning

The first stage is the scheduling and planning of sampling events. EDMS allows project managers to design, delegate, and monitor sampling events. Sampling events can be either singular or recurring. Prior to data collection, sampling stations can be specified in either EDMS or EDMS Field.

### 2. Data Collection

When a sampling event occurs, detailed sample information can be recorded for each environmental media on a Windows laptop or tablet using EDMS Field. Sample photographs can also be included with the sample data. Sample data collected using EDMS Field can be uploaded to the main database remotely as an Electronic Data Deliverable (EDD).

### 3. Lab Analysis

Samples submitted for lab analysis are tracked during the shipping, receiving, lab analysis, and reporting process. Analytical labs using EDMS Lab can upload analysis results to the main EDMS database automatically as an EDD.

### 4. Reporting

Sample and lab analysis results can be collated and reported on in a variety of tables and graphs. These tables and graphs can be easily customized to meet internal and external needs.

## Electronic Data Deliverables

Electronic Data Deliverables (EDDs) are used to exchange data between the EDMS module, EDMS Field, and EDMS Lab. All EDDs are stored in XML format and are transferred either by email or FTP. These EDDs are automatically imported by the receiving application when that application is started.

EDD Type	Originator	Receiver
Sampling Task Data	EDMS	EDMS Field
Project Data	EDMS Field	EDMS
Station Data	EDMS Field	EDMS
Sample Data	EDMS Field	EDMS
Lab Analysis Data	EDMS Lab	EDMS

## Notifications

Notifications can be sent throughout the work process. These notifications can only be setup in tasks and can only be used when tasks are used to control the work flow.

Notification	Originator
Sample required	EDMS
Sample collected*	EDMS Field
Sample not collected (non-compliant)	EDMS
Sample shipped to lab*	EDMS Field
Sample received by lab*	EDMS Lab
Lab analysis complete*	EDMS Lab
Lab analysis received	EDMS
Parameter exceedence (non-compliant)	EDMS
Sample stored by lab	EDMS Lab
Sample disposed by lab	EDMS Lab

