

geospatial[®] ANALYTICS

CASE STUDY

Asset Management
Educational Institution



Asset Management Platform

The client wanted to maintain its existing computerized maintenance management system (CMMS) but needed enhanced capabilities. It sought to create a portfolio level asset management program that would produce a reliable capital budget , save money, and manage risk.

Geospatial Analytics was able to successfully provide an integrated solution that met client requirements and expectations.

Overview

The client is one of the top 10 post-secondary educational institutions in the U.S., with over 100 locations.

The client wanted to retain its existing CMMS software platform but needed to extend its capabilities to better facilitate an asset management program.

The client sought a partner to establish a technology roadmap.

Needs included system integration and guidance for establishing analytics to capture additional value from existing processes and platforms.

The client partnered with Geospatial Analytics to leverage its extensive track record in system integration, analytics, and strong project team credentials.

Challenges

- Existing software platforms did not provide required functionality
- Unclear knowledge of current portfolio condition caused unnecessary expenditures
- Impaired data led to subjective decision making
- An asset management program was needed for value creation and risk mitigation

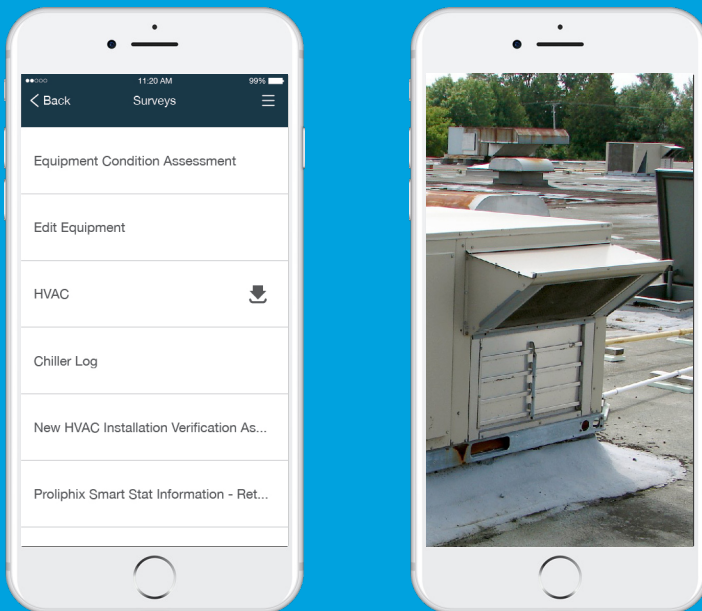
Solution #1:

Mobile Inspection Form

To address the lack of needed information on equipment inventory, Geospatial Analytics helped the client implement a mobile inspection form that created a consistent method of data capture and condition evaluation.

Geospatial Analytics configured the inspection template to specific items that the client required. The client was able to make immediate changes to the template as new requirements were identified.

The client quickly and easily deployed the tool without the need for significant support. The intuitive user interface minimized the need for training.



Benefits:

- ✓ A custom inspection form with embedded business intelligence guides users through a specific set of questions that the client required.
- ✓ The team replaced subjective opinions of condition with objective criteria and standards, enabling fact-based assessments of asset condition.
- ✓ Electronic real-time aggregation of the inspections reduced the time spent completing inspections in the legacy paper-based environment by more than 50%.

Solution #2:

System Integration

The team deemed that leveraging the existing CMMS software platform was an essential element of the plan.

The client needed to obtain field data from the inspections, create new records in the CMMS system, and update existing records.

The ability to transfer data from the CMMS platform to the Geospatial Analytics InSite Platform was also a requirement to provide a baseline for the intended asset management program.



Benefits:

- ✓ Geospatial Analytics provided a seamless environment for data collection in the field to update the CMMS system.
- ✓ The solution enabled creation and maintenance of a complete set of equipment information, including records of each asset by make, model, and serial number, as well as custom attributes such as an objective condition assessment.
- ✓ Providing complete confidence in the data reduced unnecessary service call outs and corresponding costs.

A tablet device is shown, displaying a table of equipment data. The table has three columns: Equipment Name, Condition, and Priority Rating. The data is as follows:

Equipment Name	Condition	PRIORITY RATING ▲
WPFS-001	Fair	93
AHU-061	Fair	93
AHU-087	Fair	93
AHU-058	Fair	93
AHU-059	Fair	93
AHU-124	Fair	93
AHU-125	Fair	93
SWBD-009	Fair	93
SWBD-001	Fair	93
ACU-047	Fair	87
ACU-048	Fair	87
ACU-059	Fair	87
ASD-003	Fair	87
ASD-004	Fair	87

Solution #3:

Asset Management Program

The client's existing sourcing efforts for end-of-life replacements could not be optimized due to the segmented approach used across the portfolio.

To remedy this, the client wanted an asset management program that could consistently and objectively track assets' original value, condition, and life expectancy to properly manage risk.

The implemented asset management program enabled creation of scenarios that provided decision support to optimize service levels and create a reliable capital budget and related forecast.



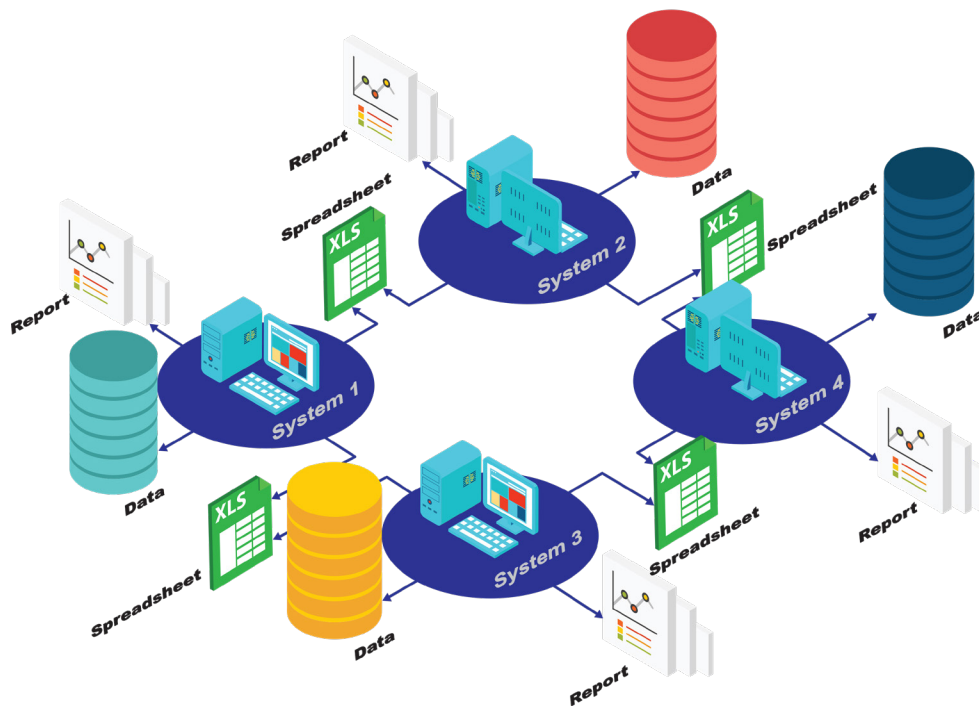
Benefits:

- ✓ Asset management dashboards tracked the assets at a location level and provided aggregated cost views by type, expected life, and replacement cost.
- ✓ Analytical capabilities enabled creation of multiple scenarios to determine the proper balance of cost and service levels relative to equipment condition and related risk.
- ✓ By implementing a comprehensive approach to asset management, the client could create a capital plan and budget that combined end-of-life spend across the entire portfolio. This enabled category-based bulk purchasing for equipment and related services — resulting in savings of more than 4%.

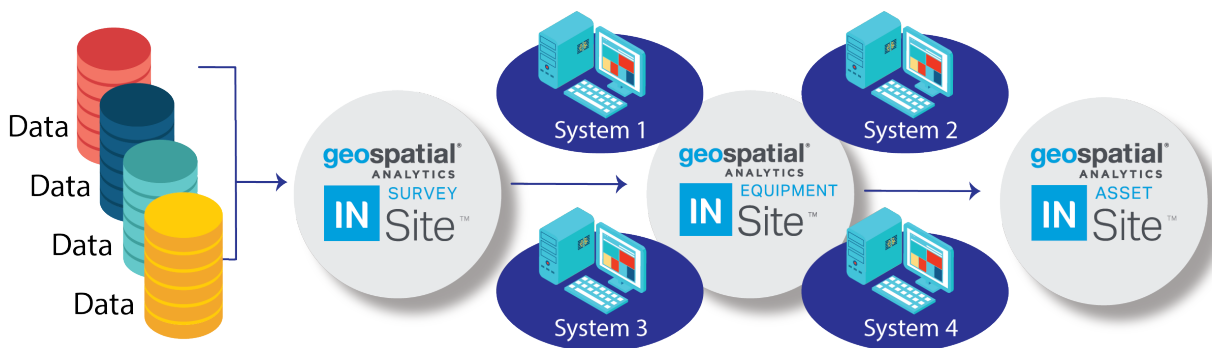


Enabling Analytics for Value Creation

TYPICAL SYSTEMS CONFIGURATION



OPTIMIZED SYSTEM CONFIGURATION





OUR VISION

To radically transform the way companies collect, manage and use their information by creating applications that empower clients to create value.

CORPORATE MISSION

To enable our customers to better understand and strategically manage their business.

OUR OBJECTIVES

- Provide a solution platform that customers can “self-manage” without expensive technical support.
- Present a simple experience that allows for all stakeholders to utilize the capabilities.
- Address the dynamic nature of business by making the system adaptive and agile.
- Enable seamless integration with other systems achieving a holistic view of the business.
- Ensure data integrity that creates confidence in the information used for decision support.
- Deploy powerful analytics that drive decisions, and continuously create value.



Geospatial Analytics InSite Platform™
provides a comprehensive set of
strategic technologies to reduce
cost, decrease risk and improve
asset performance.

Geospatial Analytics® software
provides a no code environment
which allows it to quickly adapt
to the unique needs of any real
estate organization.

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