

Locus Technologies' Solution for Westinghouse Environmental Data Management

CUSTOMER CASE STUDY

Summary and Background

Westinghouse, a leading provider of nuclear power solutions, sought to address a significant challenge: the lack of an enterprise-wide solution for managing environmental data across its global operations. With over 11,000 employees, Westinghouse was determined to improve data collection, compliance monitoring, and decision-making processes related to environmental media, including soil, groundwater, surface water, and air.

The absence of a comprehensive data management system led to inefficiencies and limited their ability to generate real-time reports, trend data, and proactively address environmental risks. Westinghouse issued a Request for Proposal (RFP) to identify a solution that could centralize their environmental data management, generate meaningful analytics, and support compliance efforts. Locus Technologies won the competitive bid in 2022.

Identified Challenges

- ◇ **Lack of Centralized Data Storage:** Westinghouse did not have a unified system for storing and accessing environmental data.
- ◇ **Limited Decision-Making Capabilities:** The inability to easily track trends, generate reports, and receive timely alerts hindered decision-making and compliance management.
- ◇ **Manual Data Processes:** Without an automated solution, collecting, validating, and reporting data was inefficient and prone to errors.

Locus Technologies' Solution

To address these challenges, Westinghouse selected Locus Technologies, leveraging their Environmental Information Management (EIM) cloud software—a proven solution for managing complex environmental data.

1. **Centralized Data Management:** Locus EIM provided a cloud-based, centralized database hosted on AWS. This allowed Westinghouse to store both historical and future environmental data in one secure location, ensuring consistent access across their global enterprise.

- 2. Advanced Data Analytics and Visualization:** The software's robust analytics tools, including customizable dashboards, trend analysis, and GIS integration, enabled Westinghouse to visualize data in real-time and quickly identify potential compliance issues.
- 3. Automation of Data Collection and Validation:** Locus EIM automated key processes, such as data validation on upload, reducing errors and accelerating the data collection workflow. This allowed for quicker and more effective decision-making.
- 4. Customizable Reports and Alerts:** Westinghouse gained the ability to generate automated reports and receive alerts when environmental thresholds were exceeded. This capability enhanced their environmental monitoring and ensured timely responses to potential risks.
- 5. Mobile Integration:** Locus Mobile enabled Westinghouse's field teams to collect and upload data seamlessly, even in offline settings, further improving data accuracy and efficiency.

Deployment Experience

Locus Technologies' extensive experience deploying environmental data solutions for major organizations made them an ideal partner. Their history of SaaS deployments, combined with expertise in data migration from diverse sources, ensured a smooth transition for Westinghouse's environmental data.

Results

The deployment of Locus EIM enabled Westinghouse to:

- ◇ **Consolidate Data Management:** Westinghouse successfully centralized its environmental data management, eliminating data silos and improving data access.
- ◇ **Improve Decision-Making:** Real-time data visualization and automated alerts empowered Westinghouse to proactively manage environmental compliance.
- ◇ **Enhance Efficiency:** Automation of data collection and reporting reduced manual tasks and improved data accuracy.
- ◇ **Scalability:** Locus EIM's cloud-based solution provided scalability, adapting to Westinghouse's changing data needs over time.

This comprehensive solution transformed Westinghouse's approach to environmental data management, establishing a proactive compliance and risk management system that supported their sustainability and safety goals.