

Case Study: Building a Data Warehouse



Industry: Environmental Services

Location: NY, Boise, Houston, UK

Size: \$600M in Revenue

Company Bio

US Ecology is a leading provider of environmental services to commercial and government entities. They address the complex waste management and response needs of our customers, offering treatment, disposal and recycling of hazardous, nonhazardous and radioactive waste.

Overview

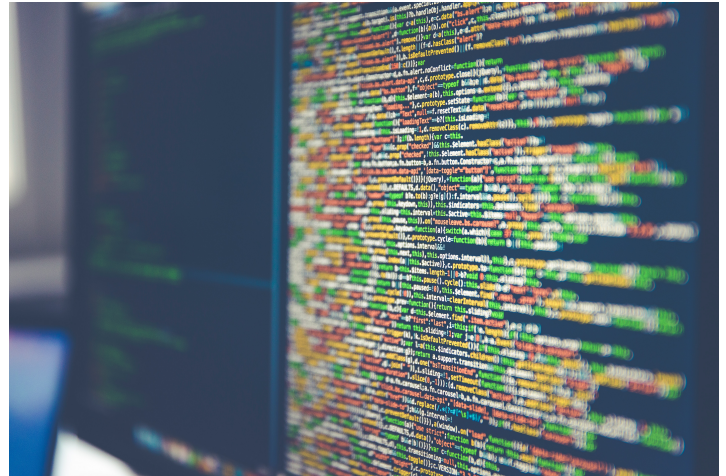
US Ecology is a company on an upward growth curve as a result of numerous industry acquisitions. They maintain a leading global position in toxic waste management, perpetual nuclear waste storage, and environmental restoration and clean-up services. Their business units and department leaders desired to be more data-driven in their analysis and decision processes.

Challenge

All that rapid business growth was not without negative business impacts. For one, each of US Ecology's lines of business operated on a separate ERP system, a common downside of growth by acquisition. Data was spread out throughout multiple applications. Management had no common dashboard or analytics by which to drive decision processes. When reports did exist, people argued over whether key metrics were accurate. To make matters worse, a costly and time-consuming attempt to consolidate to a single ERP failed leaving the business starving for more consolidated reporting.

The Approach

US Ecology reached out to infoVia to help pull the data together. As CIO Frank Russo requested, the data from all 4 ERP systems could be integrated into a single source of truth in a central analytic platform, i.e., a modern data warehouse. infoVia rose to the challenge.



Using Wherescape automation, Data Vault modeling and architecture, and infoSecur access control, the solution was built incrementally, starting with revenue data to be used by Sales management. The architecture was scalable. The data integration was supportable and extensible. The new user access layer was secure and documented.



"US Ecology's small but powerful data engineering team learned and adopted automation techniques to accelerate their development process to meet the growing demands of their business with modern, supportable solutions."

Mike Magalsky *infoVia Founder*

The Solution

If data is the key to better business, then IT can and should operate on a data-driven path as well. US Ecology reached out to the infoVia team for guidance and mentorship. infoVia helped the US Ecology data team learn the tools and modeling process, avoid pitfalls, make future-proof technology decisions, design a scalable and supportable data architecture, and implement a data-driven, automated approach to their data integration and access management.

The Results

- Richer and timely business insights
- Improved team productivity
- More efficient data engineers and analysts
- Data control and access centrally managed, maintained, and enforced
- Streamlined usage of the data objects by business users



**Implemented Data Vault
Objects**

100+

DW Development/ Support
Optimized through
Consistent, Metadata- Driven
Approach

**4 Source
Systems**

“infoVia provides prompt support and listens to our needs with clear intent to continually improve their processes and products.”

Jon White- IT Data Manager

About infoVia

infoVia is a premier group of agile-minded Data Vault experts with the know-how and sense of urgency to help your organization start and grow in Data Vault.

Contact us to help you with guide you on your Data Vault journey.

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